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NEUROMIME NETWORK SIMULATOR

APPENDIX II NEUROMIME SIMULATOR OUTPUT

JAMES FLAUGHER

THE SERVICE BUREAU CORPORATION

SEPTEMBER 1966

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FOREWORD

This report covers work done by The Service Bureau Corporation, 425 Park Avenue, New York, New York, under Contract No. AF 33(657)-11194 with the Aerospace Medical Research Laboratories. The work was performed in support of Project 7233, "Biological Information Handling Systems and Their Functional Analogs," Task 723304, "Neural Networks." Lt. Colonel Jack E. Steele, MC, USAF, of the Biomedical Laboratory, was the technical contract monitor of the Aerospace Medical Research Laboratories.

The principle Service Bureau personnel were Dr. Hanan Rubin and Mr. Frank Gracer, simulation research and development; Mr. Kenneth Orr, simulation conversion to existing systems; and Mr. James Flaughner, simulation analysis and modification. The work was begun 19 March, 1963 and completed 15 April, 1966

This technical report has been reviewed and is approved

J. W. Heim, PhD.
Technical Director
Biomedical Laboratory
Aerospace Medical Research Laboratories

ABSTRACT

Because of the large number of network combinations and parameter variations possible in a Steele neuromime network, a program for simulating the nets on a digital computer is being developed to aid in determining the most efficient nets for specific tasks. The results of the investigation of network and parameter variations may then be used as the restraints and design criteria for neuromime devices with specific signal recognition capabilities. The simulation provides as a tool, a means of generating randomly connected networks with desired statistical restraints and a training phase which alters the network in such a manner as to force the actual response closer to the desired response. The generalized nature of the nets used is the essence of the research effort. Appendix II contains the neuromime simulator output.

APPENDIX II

NEUROMIME SIMULATOR OUTPUT

(Note: The following are working outputs
and contain handwritten comments
and notations.)

LIST 1

9 132835 C 8JOB 245 0.20,29000 65-424,FLAUGHER J.C.,MRBAP

90 UNIT	R1	PU	PR	A1	A2	A3	A4	A5	A6	A7	A8	A9	A0	B1	B2	B3	B4	B5	C6	B7
FUNCTION	CRJ	PCH	PRT	LB1	IM1	OUT	PP1	CR1	A(8)	A(7)	A(4)	A(9)	B(1)	UT1	UT2	UT3	UT4	CR7		
40 LOGICAL	32	33	34	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
40 UNIT	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK
90 UNIT	B8	B9	B0	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	D6					
FUNCTION																				
SYMBOLIC																				
40 LOGICAL	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
40 UNIT	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK					

9 132835 0 #SETUP A(8) DISK,918
9 132835 0 #SETUP A(7) 1067,DISK
9 132835 0 #SETUP A(4) DISK,1106
9 132835 0 #SETUP A(9) DISK,1327
9 132835 0 #SETUP B(1) DISK,226
9 132835 0 #ATEND 00000,77777.6,DUMP
9 132835 0 #EXECUTE TBJOB
9 132948 0 FILES READY FOR USE.....
9 132948 0 SYSUNI FILE NAME UNIT

9 132948 0	UNIT01	B6
9 132948 0	UNIT03	B7
9 132948 0	UNIT04	A8
9 132948 0	UNIT08	A6
9 132948 0	UNIT09	A9
9 132948 0	UNIT10	A7
9 132948 0	UNIT11	A7
9 132948 0	UNIT12	A0
9 132948 0	FILE2	A8

9 133013 0 EXECUTION
9 133023 0 ***NETWORK GENERATED.
9 133023 0 INPUT CONVERTED
9 133035 0 NETWORK GENERATED
9 133810 0 UNIT A8 FILE2 REMOVE REEL 0001

9 133810 0 END OF INPUT. SIMULATION COMPLETE.
9 133810 0 RESTART WRITTEN, LIFT SS2 AND PRESS START TO CONTINUE.
9 133812 0 15053 LINES OUTPUT.
9 133813 0 #18SYS
9 133814 0 #STOP

9 133814 0 PERIPHERAL FILE POSITIONS AT END OF JOB
9 133814 0 SYSPP1 REC. 00111, FILE 00000
9 133814 0 SYSOU1 REC. 12716, FILE 00000
9 133814 0 SYSINI REC. 00001, FILE 00003

9 133814 0 END OF JOB

9 133818 0 SYSTEMS CORE DUMP TAKEN AT THIS POINT

IBJOB VERSION 5 HAS CONTROL.

IBJOB	MAP	
#IBLDR UN01		UN010000
#IBLDR UN03		UN030000
#IBLDR UN04		UN040000
#IBLDR UN08		UN080000
#IBLDR UN09		UN090000
#IBLDR UN10		UN100000
#IBLDR UN11		UN110000
#IBLDR UN12		UN120000
#IBLDR MAIN		MAIN0000
#IBLDR RDCC1	07/13/65	RDCC0000
#IBLDR BTOF		BTOF0000
#IBLDR BPOINT		BPOINT0000
#IBLDR NETGEN		NETG0000
#IBLDR ISUMAI		ISUM0000
#IBLDR GFNXY1	06/22/65	GFNXY000
#IBLDR PUTRE	06/22/65	PUTR0000
#IBLDR CONEC	06/22/65	CONEC0000
#IBLDR NSF111	06/22/65	NSF10000
#IBLDR IPTCO	06/22/65	IPTCO000
#IBLDR METAL	06/22/65	META0000
#IBLDR META2	06/22/65	META0000
#IBMAP NETSJM	(10K,M94/2	

9 132835 0 \$JOB 245 C.20.20000 65-424,FLAUGHER J.C.,M88AP

90 UNIT	RD	PU	PR	A1	A2	A3	A4	A5	A6	A7	A8	A9	AC	B1	B2	B3	B4	B5	B6	B7
FUNCTION	CRD	PCM	PR1	LB1	1R1	DUI	PP1	CR1						UT1	UT2	UT3	UT4	UT5	UT6	UT7
SYMBOLIC																				
40 LOGICAL	32	33	34	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
40 UNIT	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK
90 UNIT	B8	B9	B0	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	E5	E6					
FUNCTION																				
SYMBOLIC																				
40 LOGICAL	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
40 UNIT	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK					

9 132835 0 \$SETUP A181 DISK,918
 9 132835 0 \$SETUP A171 1067,DISK
 9 132835 0 \$SETUP A161 DISK,1106
 9 132835 0 \$SETUP A191 DISK,1327
 9 132835 0 \$SETUP B111 DISK,276
 9 132835 0 \$ATEND 00000,77777,6,DUMP
 9 132835 0 \$EXECUTE 16JOB
 9 132948 0 FILES READY FOR USE.....
 9 132948 0 \$SYSUNI FILE NAME UNIT

9 132948 0	UNIT01	06
9 132948 0	UNIT03	07
9 132948 0	UNIT04	08
9 132948 0	UNIT06	06
9 132948 0	UNIT09	09
9 132948 0	UNIT10	07
9 132948 0	UNIT11	07
9 132948 0	UNIT12	00
9 132948 0	FILE2	08

9 133013 0 EXECUTION
 9 133023 0 ***NETWORK GENERATED.
 9 133023 0 INPUT CONVERTED
 9 133035 0 NETWORK GENERATED
 9 133010 0 UNIT AB FILE2 REMOVE REEL 0001

9 133010 0 END OF INPUT. SIMULATION COMPLETE.
 9 133010 0 RESTART WRITTEN, LIFT SS2 AND PRESS START TO CONTINUE.
 9 133012 0 15053 LINES OUTPUT.
 9 133013 0 \$IBSYS
 9 133014 0 \$STOP

9 133014 0 PERIPHERAL FILE POSITIONS AT END OF JOB

9 133014 0	SYSPP1	REC. 00111, FILE 00000
9 133014 0	SYSOUI	REC. 12716, FILE 00000
9 133014 0	SYSINI	REC. 00001, FILE 00003

9 133014 0 END OF JOB

9 133018 0 \$SYSTEMS CORE DUMP TAKEN AT THIS POINT

IBJOB VERSION 5 HAS CONTROL.

\$IBJOB	MAP	
\$IBLDR UN01		UN010000
\$IBLDR UN03		UN030000
\$IBLDR UN04		UN040000
\$IBLDR UN08		UN080000
\$IBLDR UN09		UN090000
\$IBLDR UN10		UN100000
\$IBLDR UN11		UN110000
\$IBLDR UN12		UN120000
\$IBLDR MAIN		MAIN0000
\$IBLDR RDCC1	07/13/65	RDCC0000
\$IBLDR BTDF		BTDF0000
\$IBLDR BPOINT		BPOINT0000
\$IBLDR NETGEN		NETG0000
\$IBLDR \$SUMA1	06/22/65	\$SUM0000
\$IBLDR \$FNXY1	06/22/65	\$FNK0000
\$IBLDR PUTRE	06/22/65	PUTR0000
\$IBLDR CONEC	06/22/65	CONE0000
\$IBLDR RSF111	06/22/65	RSF10000
\$IBLDR IPTCO	06/22/65	IPTC0000
\$IBLDR META1	06/22/65	META0000
\$IBLDR META2	06/22/65	META0000
\$IBMAP NETSIM	110X,M94/2	NETA0000

		ADD	V1.71	LNK40065
		TCV	SCFS0	
		ENDP	GAT=0	LNK40067
	CSJVE	MACR=	V1.71	
		TCV	++1	LNK40069
		ARS	1	LNK40070
		STL	OPLOC	LNK40071
		SUB	V1.71	LNK40072
		TCV	OPLOC	LNK40073
		ENDP	OSDNE	LNK40074
		FILEZ	FILE	
		OSIZE	EQU	LNK40076
	00310	Y	EQU	
	00327	L	EQU	
	00354	MAC	EQU	
	00561	MAC	EQU	
	00560	MAC	EQU	
	00562	PCENT	EQU	
	00547	MITRY	EQU	
	00554	M3H	EQU	
	00557	M3N	EQU	
	00537	M4(P)	EQU	LNK40132
	00533	M4(N)	EQU	LNK40133

BINARY	CARD	ID.	NETSIM05			
00000	1	00000	0	00007	10001	NETSIM SAVE
00001	0774	00	2	00000	10000	11.2.411
00002	0774	00	1	00000	10000	
00003	0774	00	4	00000	10000	
00004	0441	00	0	00006	10001	
00005	0020	00	4	00001	10000	
00006	0	00000	0	00000	10000	
00007	0634	00	3	00006	10001	
00010	0634	00	4	12400	10011	
00011	0634	00	4	27051	10000	
00012	0634	00	4	00003	10001	
00013	0634	00	1	00002	10001	
00014	0634	00	2	00001	10001	
00015	0700	00	0	00014	10000	
00016	0500	60	4	00001	10000	LWTP
00017	0601	00	0	03543	10001	CLA=
00020	0402	00	0	03610	10001	STO
00021	0601	00	0	02501	10001	SUB
00022	0500	60	4	00034	10000	STO
						CLA=

LWTP	3,4
CLA=	5,4
STO	NUMEVS
SUB	=1
STO	LVCNTP
CLA=	4,4

NUM. OF LEVELS -1

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 5

BINARY	CARD	ID.	NETSIM05			
00023	0601	00	0	00535	10001	STO
00024	0500	60	4	00005	10000	CLA=
00025	0601	00	0	00536	10001	STO
00026	0500	60	4	00006	10000	CLA=
00027	0601	00	0	00537	10001	STO
00030	0500	60	4	00007	10000	CLA=
00031	0601	00	0	03207	10001	STO
00032	0500	60	4	00010	10000	CLA=
00033	0601	00	0	00530	10001	STO
						ISN
						CALL
						ETC
00034	000000000000			00010		READCC(INDICT,A1,A2,B2,C2,D2,A3,B3,A4,B4,C4,FFSPC,
00034	0074	00	4	11400	10011	FFSWT,Y,GNPC,MGRP,C)
00035	1	00021	0	00423	10011	
00036	0	27051	0	00152	10000	
00037	0	00000	0	03554	10001	
00040	0	00000	0	00547	10001	
00041	0	00000	0	00552	10001	
00042	0	00000	0	00553	10001	
00043	0	00000	0	00554	10001	
00044	0	00000	0	00555	10001	

BINARY	CARD	ID.	NETSIM07			
00045	0	00000	0	00556	10001	
00046	0	00000	0	00557	10001	
00047	0	00000	0	00560	10001	
00050	0	00000	0	00561	10001	
00051	0	00000	0	00562	10001	
00052	0	00000	0	03447	10001	
00053	0	00000	0	03552	10001	
00054	0	00000	0	03337	10001	
00055	0	00000	0	00551	10001	
00056	0	00000	0	00550	10001	
00057	0	00000	0	03554	10001	
00060	000000000000			00010		
00060	0074	00	4	12000	10011	CALL
00061	00000	0	00405	10011		TPCR(READPP,NUMIN,NAMES)
00062	0	27051	0	00154	10000	
00063	0	00000	0	00535	10001	
00064	0	00000	0	00536	10001	
00065	0	00000	0	00537	10001	
00066	0074	00	4	13000	10011	TSX

BINARY	CARD	ID.	NETSIM08			
00067	0	00000	0	04001	10010	PZE
00070	0074	00	4	13400	10011	TSX
00071	0	00212	0	04001	10110	TSX
00072	0	00466	0	00500	10101	PZE
00073	3	00000	2	00000	10000	FORN
00074	0441	00	0	03554	10001	LOI
00075	000000000000			00010		CALL
00075	0074	00	4	04400	10011	RNETSKIP,NETTAP,NETMAX1
00077	1	00000	0	00405	10011	
00077	0	27051	0	00164	10000	
00100	0	00000	0	00047	10000	
00101	1	00000	0	03544	10001	

LNK4008C

LNK40079

LNK40082

LNK40083

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 6

00102 0 0000 0 03553 10001
00103 00000000000 00010
00103 0074 00 4 02400 10011
00104 1 00017 0 00421 10011
00105 0 27051 0 03165 10000
00106 0 00000 0 30050 10000
00107 0 76000 0 30051 10000

CALL NETCHG(OT,EP,SLN,P,STEP,CSAT,HS,MI,FPLS,FRMS,FPLI,FMINI,
ETC ESUM,NEXT,MULEVS,ISM,SMEXT)

BINARY CARD ID. NETSIM09

00110 0 00000 0 30052 10000
00111 00000 0 30053 10000
00112 00000 0 30055 10000
00113 10000 0 30056 10000
00114 00000 0 30057 10000
00115 00000 0 30060 10000
00116 0 00000 0 30061 10000
00117 0 00000 0 30067 10000
00120 0 00000 0 30064 10000
00121 0 00000 0 30303 10000
00122 0 00000 0 03543 10001
00123 0 00000 0 00530 10001
00124 0 00000 0 30303 10000
00125 0500 00 0 30047 10000
00126 0771 00 0 00022 10000
00127 0601 00 0 03240 10001
00130 0534 00 2 30047 10000
00131 0600 00 0 30047 10000
00132 0634 00 2 30047 10000

CLA SKIP
ARS 18
STO OPSNUP
LXA SKIP,2
STZ SKIP
SXA SKIP,2

ON-SKIP TAPE
REMOVE OPSNUM FROM DECREMENT OF SKIP.

LNK40088
8
LNK40089
LNK40088

BINARY CARD ID. NETSIM10

00133 0500 00 0 00536 10001
00134 0340 00 0 00540 10001
00135 0070 00 0 00403 10011
00136 0020 00 0 00456 10001
00137 0020 00 0 00456 10001
00140 0760 00 0 00144 10000
00141 0500 00 0 03200 10001
00142 4320 00 0 00214 10001
00143 0100 00 0 00152 10001
00144 7 00000 2 00152 10001
00145 0074 00 4 13400 10011
00146 0 00212 0 04001 10110
00147 0 00466 0 00500 10101
00150 3 00000 2 00000 10000
00151 2 00001 2 40404 10011
00152 0500 00 0 03552 10001
00153 0100 00 0 00170 10001
00154 0534 00 2 03556 10001
00155 0774 00 1 00004 10000

CLA NUMIN
CAS C253
TRA **3
TRA CHIOXY
TRA CHIOXY
S M 4
RECSKP CLA KEYS
ANA FOUR
TZE FCHG
TXL FCHG,2,0
TSX .READ,4
PZE FILE2,,EOM2
PZE FOT,,IREAD
IORTM **,,**
TIX **-,2,1
FCHG CLA FFSMT
TZE FFL4
LXA NOCDS,2
FFL1 AXI 4,1

ONE RECORD INPUT
TWO RECORD INPUT
TEST FOR RESTART

DO NOT SKIP
SKIP ZERO RECORDS
ON THE INPUT
TAPE

LNK40086
LNK40087
LNK40089
LNK40090
LNK40091
LNK40092
LNK40093

STORE NEW FIX-FORGET VALUES

LNK40095
LNK40096
LNK40097
LNK40098

BINARY CARD ID. NETSIM11

00156 0500 00 1 03453 10001
00157 0601 00 1 30063 10000
00160 2 00001 1 00156 10001
00161 0500 00 0 00156 10001

FFL2 CLA FFSPC+4,1
FFL3 STO LEVEL+7,1
TIX FFL2,1,1
CLA FFL2

LNK40099
LNK40100
LNK40101
LNK40102

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 7

00162 0400 00 0 00214 10001
00163 0621 00 0 00156 10001
00164 0500 00 0 00157 10001
00165 0400 00 0 00215 10001
00166 0621 00 0 00157 10001
00167 2 00001 2 00155 10001
00170 0441 00 0 03554 10001
00171 0054 00 0 000010 10000
00172 0020 00 0 00216 10001
00173 0056 00 0 000004 10000
00174 0020 00 0 00404 10011
00175 0500 00 0 03157 10001
00176 0601 00 0 00547 10001
00177 0020 00 0 00216 10001
00200 0500 00 0 00556 10001

ADD FOUR
STA FFL2
CLA FFL3
ADD C10
STA FFL3
TIX FFL1,2,1
LDI INDICT
RFT 10
TRA SCHED
RNT 4
TRA **4
LXA XITRY
STO MITRY
TRA SCHED
CLA M3M

MODE2

MODE 3
MODE 4

LNK40103
LNK40104
LNK40105
LNK40106
LNK40107
LNK40108
LNK40109
LNK40110
LNK40111
LNK40112
LNK40113
LNK40114
LNK40115
LNK40116

BINARY CARD ID. NETSIM12

00201 0601 00 0 00532 10001
00202 0500 00 0 00557 10001
00203 0601 00 0 00533 10001
00204 0054 00 0 000020 10000
00205 0020 00 0 00216 10001
00206 0400 00 0 03560 10001
00207 0601 00 0 00562 10001
00210 0020 00 0 00216 10001
00211 0000 00 0 00400 10011
00212 0000 00 0 00400 10011
00213 0 00000 0 30047 10000
00214 00000000004 10000
00215 00000000012 10000

STO M3M
CLA M3M
STO M3INI
RFT 20
TRA SCHED
CLA XCENT
STO PCENT
TRA SCHED
EOB HTR
EOB2 HTR
CINIT SKIP
FOUR DEC 4
C10 DEC 10

LNK40117
LNK40118
LNK40119
LNK40120
LNK40121
LNK40122
LNK40123
LNK40124
LNK40125
LNK40126
LNK40127
LNK40128
LNK40129

		* INPT SCHEDULE ROUTINE			
BINARY	CARD ID. NETSIM13				
	00216	0441 00 0 04554	10001	SCHED LOI	INDICT
	00217	0054 00 000004	10000	RFT	4
	00220	0020 00 0 00240	10001	TRA	MODE1
	00221	0054 00 000010	10000	RFT	10
	00222	0020 00 0 00252	10001	TRA	MODE2
	00223	0054 00 000020	10000	RFT	20
	00224	0020 00 0 00113	10001	TRA	MODE3
	00225	0054 00 000040	10000	RFT	40
	00226	0020 00 0 00335	10001	TRA	MODE4
	00227	000000000000	00010	CALL	.FPRN.(BCDC)*1746*
	00227	0074 00 4 04060	10011		
	00230	1 00001 0 00403	10011		
	00231	0 27051 0 03322	10000		
	00232	0 00000 0 00602	10001		
	00233	000000000000	00010	CALL	.FFIL.
	00233	0074 00 4 05400	10011		
	00234	1 00000 0 00402	10011		
	00235	0 27051 0 00274	10000		
	00236	0420 00 0 00001	10000	HPR	1
	00237	0020 00 0 00401	10011	TRA	*-1
	00240	4760 00 0 00142	10000	MODE1	2
	00241	0020 00 0 00246	10001	TRA	MIA
	00242	0074 00 * 00424	10001	M1	TSX INPUT,4
	00243	0534 00 4 00547	10001	LXA	MTRY,4
	00244	0634 00 4 00575	10001	SXA	READS,4
	00245	0020 00 0 00641	10001	TRA	BEGIN
	00246	0534 00 4 00575	10001	M1A	LXA READS,4
	00247	6 00001 4 00242	10001	TNX	M1,4,1
	00250	0634 00 4 00575	10001	SXA	READS,4
	00251	0020 00 0 00641	10001	TRA	BEGIN
	00252	4760 00 0 00142	10000	MODE2	SLT
	00253	0020 00 0 00311	10001	TRA	M5E
	00254	0534 00 1 00545	10001	LXA	C(2),1
	00255	6 00001 1 00266	10001	TNX	M5C,1,1
	00256	0634 00 1 00545	10001	M5A	SXA D(2),1
	00257	0534 00 1 00544	10001	LXA	C(2),1
	00260	6 00001 1 00266	10001	TNX	M5C,1,1
	00261	0634 00 1 00544	10001	SXA	C(2),1
	00262	0074 00 4 00402	10001	TSX	DOUBSR,4
	00263	0500 00 0 03324	10001	CLA	ONE
	00264	0074 00 4 00424	10001	M5B	TSX INPUT,4
	00265	0020 00 0 00641	10001	TRA	BEGIN
	00266	0500 00 0 00555	10001	M5C	CLA D2
	00267	0601 00 0 00545	10001	STD	D(2)
	00270	0500 00 0 00554	10001	CLA	C2
	00271	0601 00 0 00544	10001	STD	C(2)
	00272	0534 00 1 00547	10001	LXA	A(2),1
	00273	2 00001 1 00307	10001	TIX	M5F,1,1

		NETSIM ASSEMBLED TEXT.			
BINARY	CARD ID. NETSIM14				
	00274	0534 00 1 00543	10001	LXA	B(2),1
	00275	6 00001 1 00304	10001	TNX	M5D,1,1
	00276	0634 00 1 00543	10001	SXA	B(2),1
	00277	0074 00 4 00402	10001	TSX	DOUBSR,4
	00300	0500 00 0 00552	10001	CLA	A2
	00301	0500 00 0 00552	10001	CLA	A2
	00302	0601 00 0 00542	10001	STD	A(2)
	00303	0020 00 0 00264	10001	TRA	M5B
	00304	0500 00 0 00553	10001	M5D	CLA B2
	00305	0601 00 0 00543	10001	STD	R(2)
	00306	0534 00 1 00552	10001	LXA	A2,1
	00307	0634 00 1 00542	10001	M5F	SXA A(2),1
	00310	0020 00 0 00264	10001	TRA	M5B
	00311	0534 00 1 00555	10001	M5E	LXA D2,1
	00312	0020 00 0 00256	10001	TRA	M5A
	00313	0534 00 4 00577	10001	MODE3	LXA M1NPS,4
	00314	6 00001 4 00320	10001	TNX	M3A,4,1
	00315	0634 00 4 00577	10001	SXA	M1NPS,4
	00316	0074 00 4 00424	10001	M3	TSX INPUT,4
	00317	0020 00 0 00641	10001	TRA	BEGIN
	00320	0534 00 2 00532	10001	M3A	LXA M3(M),2
	00321	0634 00 2 00577	10001	SXA	M1NPS,4
	00322	0514 00 4 00600	10001	LXA	NCYCS,2
	00323	2 00001 4 00327	10001	TIX	M3B,4,1
	00324	0534 00 2 00533	10001	LXA	M3(M),2
	00325	0634 00 2 00600	10001	SXA	NCYCS,2
	00326	0020 00 0 00333	10001	TRA	M3C
	00327	0634 00 4 00600	10001	M3B	SXA NCYCS,4
	00330	0074 00 4 00402	10001	TSX	DOUBSR,4
	00331	0500 00 0 00532	10001	CLA	M3(M)
	00332	0441 00 0 03554	10001	LDI	INDICT
	00333	0074 00 4 00424	10001	M3C	TSX INPUT,4
	00334	0020 00 0 00641	10001	TRA	BEGIN
	00335	0500 00 0 00576	10001	MODE4	CLA TOTAL

BINARY CARD ID.	NETSIM17						
00336	0400 00 0 03324	10001	ADD	ONE			LNK40185
00337	0401 00 0 00576	10001	STD	TOTAL			LNK40186
00340	4760 00 0 00142	10000	SLT	2			LNK40187
00341	0020 00 0 00345	10001	TRA	M4		WAS LAST RESPONSE CORRECT	LNK40188
00342	0500 00 0 00601	10001	CLA	RESCT		N/	LNK40189
00343	0400 00 0 03324	10001	ADD	ONE		YES-ADD 1 TO COUNT	LNK40190
00344	0401 00 0 00601	10001	STD	RESCT			LNK40191
00345	0534 00 4 00577	10001	M4 LX	MINPS,4		HAVE M INPUTS BEEN READ	LNK40192
00346	4 00001 4 00352	10001	TXN	M4A,4,1			LNK40193
00347	0634 00 4 00577	10001	SXA	MINPS,4		NO-READ NEW RECORD	LNK40194
00350	0074 00 4 00424	10001	TSX	INPUT,4			LNK40195
00351	0020 00 0 00641	10001	TRA	BEGIN			LNK40196
00352	0534 00 2 00532	10001	M4A LX	M4(M),2			
00353	0634 00 2 00577	10001	SXA	MINPS,2			LNK40198
00374	0500 00 0 00601	10001	CLA	RESCT		CALCULATE PERCENT	LNK40199
00355	0560 00 0 03323	10001	LDO	ZERO			LNK40200
00356	0271 00 0 00576	10001	DVP	TOTAL			LNK40201
00357	0760 00 0 00012	10000	DCT				LNK40202

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 10

00360	0020 00 0 00364	10001	TRA	M4B		CORRECT RESPONSE ON EACH INPUT	LNK40203
BINARY CARD ID. NETSIM18							
00361	0131 00 0 00000	10000	XCA				LNK40204
00362	0402 00 0 00562	10001	SUB	PCEMT		IS PERCENT GREATER	LNK40205
00363	4120 00 0 00372	10001	TMI	M4C		THAN SPECIFIED ONE	LNK40206
						YES-RESET N COUNTER	LNK40207
00364	0534 00 4 00533	10001	M4B LX	M4(N),4			LNK40208
00365	0634 00 4 00600	10001	SXA	NCYCS,4			LNK40209
00366	0074 00 4 00424	10001	TSX	INPUT,4		READ NEW RECORD	LNK40210
00367	0600 00 0 00601	10001	STZ	RESCT			LNK40211
00370	0600 00 0 00576	10001	STZ	TOTAL			LNK40212
00371	0020 00 0 00641	10001	TRA	BEGIN			LNK40213
00372	0534 00 4 00600	10001	M4C LX	NCYCS,4		H-LE N CYCLES BEEN READ	LNK40214
00373	4 00001 4 00364	10001	TXN	M4B,4,1			
00374	0634 00 4 00600	10001	SXA	NCYCS,4		NO--BSP M TIMES	LNK40216
00375	0074 00 4 00402	10001	TSX	DOUBSR,4			
00376	0500 00 0 00532	10001	CLA	M4(M)		BACKSPACE M4(M) INPUTS	
00377	0441 00 0 03554	10001	LDI	INDICT			
00400	0074 00 4 00424	10001	TSX	INPUT,4		READ CYCLE AGAIN	LNK40223
00401	0020 00 0 00641	10001	TRA	BEGIN			LNK40224
00402	0634 00 4 00421	10001	DOUBSR	SXA	OUTBSR,4		
00403	0522 00 4 00001	10000	XEC	1,4		CLA NUMBER OF INPUTS	
BINARY CARD ID. NETSIM19							
00404	4760 00 0 00144	10000	SLT	4			
00405	0020 00 0 00403	10011	TRA	++3		ONE RECORD INPUT	
00406	0760 00 0 00144	10000	SLN	4		SLN-TWO RECORD INPUT--RESET	
00407	0400 00 4 00001	10000	ADD	1,4		DOUBLE NO. OF INPUTS FOR RECORD COUNT	
00410	0734 00 2 00000	10000	PAX	0,2			
00411	000000000000	00010	BACK	CALL		.FBST.(ZZZ)	
00411	0074 00 4 07000	10011					
00412	1 00001 0 00403	10011					
00413	0 27051 0 00451	10000					
00414	0 00000 0 00423	10001					
00415	0500 00 0 30047	10000	CLA	SKIP			
00416	0402 00 0 03324	10001	SUB	ONE			
00417	0601 00 0 30047	10000	STD	SKIP			
00420	2 00001 2 00411	10001	TIX	BACK,2,1			
00421	0774 00 4 00000	10000	OUTBSR	AXT		++4	
00422	0020 00 4 00002	10000	TRA	2,4			
00423	0 00000 0 04001	10010	ZZZ	FILE2			
00424	0634 00 4 00451	10001	INPUT	SXA	IPTRA,4	READ NEXT RECORD FROM	LNK40225
00425	000000000000	00010	CALL			.FWRD.(UN06,NCYCL)*7000*	
BINARY CARD ID. NETSIM20							
00425	0074 00 4 10400	10011					
00426	1 00002 0 00404	10011					
00427	0 27051 0 15530	10000					
00430	0 00000 0 14000	10011					
00431	0 00000 0 00564	10001					
00432	0500 00 0 00542	10001	CLA	A(2)			
00433	0074 00 4 14400	10011	TSX	.FCNV,4			
00434	0500 00 0 00544	10001	CLA	C(2)			
00435	0074 00 4 14400	10011	TSX	.FCNV,4			
00436	0500 00 0 00545	10001	CLA	D(2)			

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 11

00437	0074 00 4 14400	10011	TSX	.FCNV,4			
00440	000000000000	00010	CALL	.FFIL.*7000*			
00440	0074 00 4 05400	10011					
00441	1 00000 0 00402	10011					
00442	0 27051 0 15530	10000					
00443	0074 00 4 13400	10011	READ	TSX	.READ,4		LNK40227
00444	0 00212 0 04001	10110	PZE	FILE2,EOB2			LNK40228
00445	0 00466 0 00500	10101	PZE	EDT,IREAD			
00446	2 00400 0 27046	10000	ICUM	IORP	NOCNT,256		

BINARY CARD ID. NETSIM21						
00447	4	00C01	2	00000	10000	
00450	3	00377	0	27446	10000	
00451	0774	00	4	00000	10000	IPTRA
00452	0500	00	0	30047	10000	CLA
00453	0400	00	0	03325	10001	ADD
00454	0601	00	0	30047	10000	STO
00455	0020	00	4	00001	10000	TRA
00456	4500	00	0	00527	10001	CHIOXY CAL
00457	0602	00	0	00446	10001	UMEREC
00460	0500	00	0	00526	10001	ICDMM
00461	0601	00	0	00447	10001	NOPP
00462	0601	00	0	00450	10001	STO
00463	0500	00	0	00531	10001	ICDMM+1
00464	0621	00	0	00453	10001	ICDMM+2
00465	0020	00	0	00141	10001	CLA
00466	000C00000000			00010	10010	WDONE
00467	0074	00	4	04000	10011	STA
00470	0	27051	0	03517	10000	IPTRA+2

**0,1
 NOCNT+256,,255
 **0,4
 ADD TO NUMBER OF RECORDS READ
 LNK40231
 LNK40232
 LNK40234
 LNK40235
 IUCD FOR UK REC. SENDRY INPUT.
 MODIFY REDDND COUNTER
 RETURN TO PROGRAM
 .FPRN.(BCDE)'1866'
 LNK40236

BINARY CARD ID. NETSIM22						
00471	0	00000	0	00621	10001	
00472	000000000000			00010	10010	CALL
00473	0074	00	4	05400	10011	
00474	0	27C51	0	00516	10000	
00475	0420	00	0	00001	10000	MPR
00476	0020	00	0	40401	10011	TRA
00477	0000	00	0	00400	10011	HTR
00500	0074	00	4	15000	10011	EOT
00501	0	00000	0	04001	10010	TSX
00502	000000000000			00010	10010	PZE
00503	0074	00	4	04000	10011	CALL
00504	0	27051	0	03523	10000	
00505	0	00000	0	00630	10001	
00506	000000000000			00010	10010	CALL
00507	0074	00	4	05400	10011	
00510	0	27C51	0	00525	10000	

.FFIL.
 LNK40237
 LNK40238
 LNK40239
 LNK40240
 LNK40241
 LNK40242
 LNK40243
 .FPRN.(ENDIP)'1875'
 CLOSE DATA FILE
 .FFIL.
 LNK40244

BINARY CARD ID. NETSIM23						
00511	000000000000			00010	10010	CALL
00511	0074	00	4	10400	10011	
00512	0	00C02	0	00404	10011	

.FWRD.(UN06,,ENDIP)'1876'
 LNK40245

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 12

00513	0	27C51	0	03524	10000	
00514	0	00000	0	14000	10011	
00515	0	00000	0	00630	10001	
00516	000000000000			00010	10010	CALL
00516	0074	00	4	05400	10011	
00517	1	00000	0	00402	10011	
00520	0	27051	0	00527	10000	
00521	000000000000			00010	10010	CALL
00521	0074	00	4	074C	10011	
00522	1	00001	0	00403	10011	
00523	0	27051	0	00530	10000	
00524	0	00C00	0	15400	10011	
00525	0020	00	0	02527	10001	TRA

WRES
 * STORAGE FOUR SCHEDULE ROUTINE
 NOPP
 NOP
 ONFREC
 IORT
 NOCNT,,256
 SNEXT
 EQU
 NEXT
 ISM
 PZE
 0
 LNK40246
 LNK40247
 LNK40249
 LNK40250

BINARY CARD ID. NETSIM24						
00531	0	00000	0	03324	10001	WDONF
00532	000000000012			10000	M3(M)	DEC
00533	000000000012			10000	M3(M)	DEC
00534	000000000003			10000	THREE	DEC
00535	0	00C00	0	00000	10000	READP
00536	0	00000	0	00000	10000	NUMIN
00537	0	00000	0	00000	10000	NAMES
00540	000000000375			10000	C253	DEC
00541	0	00000	0	00000	10000	RIASLH
00542	0	00000	0	00000	10000	A(2)
00543	0	00000	0	00000	10000	R(2)
00544	0	00000	0	00000	10000	C(2)
00545	0	00000	0	00000	10000	D(2)
00546	0	00000	0	00000	10000	CNTR
00547	200000000001			00001	A1	BSS
00550	200000000001			00001	MGPR	BSS
00551	200000000001			00001	GWPC	BSS
00552	200000000001			00001	A2	BSS
00553	200000000001			00001	B2	BSS

BINARY CARD ID. NETSIM25						
00554	200000000001			00001	C2	BSS
00555	200000000001			00001	D2	BSS
00556	200000000001			00001	A3	BSS
00557	200000000001			00001	B3	BSS
00558	200000000001			00001	A4	BSS

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00001 00000000001 00001 B4 BSS 1
00002 00000000001 00001 C4 BSS 1
00003 000000100000 10000 K20 OCT 100000
00004 700730004431 10000 TCYCL BCI 09,(7M MINPS=,012,5X,7M NCYCS=,012,5X,8M INDICT=,0127777)
00005 450702137300 10000
00006 0100273050773 10000
00007 073000052370 10000
00008 230013730001 10000
00009 027305077310 10000
00010 000031052431 10000

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NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 13

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00073 230313730001 10000
00074 020101010134 10000
00075 0 00000 0 00000 10000 READS INDEX FOR MTRY LNK40255
00076 0 00000 0 00000 10000 TOTAL LNK40256

SIM44V CARD ID. NETSIM26
00077 0 00000 0 00000 10000 MINPS INDEX FOR M3(1) LNK40257
00078 0 00000 0 00000 10000 NCYCS INDEX FOR M3(1) LNK40258
00079 0 00000 0 00000 10000 RESCT CORREC RESPONSE COUNT LNK40259
00080 740111306031 10000 BCDC BCI 5,(119M ILLEGAL INPUT MODE7777) LNK40261
00081 434325272143 10000
00082 503145676463 10000
00083 604446242561 10000
00084 610101306060 1000
00085 740007306051 10000 BCDD BCI 9,(147M RAISE SIGN BIT TO REPEAT NEXT INPUT, HIT START/// LNK40262
00086 213102256062 10000
00087 312745602231 10000
00088 630039600051 10000
00089 254725216360 10000
00090 452567636031 10000
00091 454764637360 10000
00092 303103606263 10000
00093 215103616161 10000
00094 613400606060 10000
00095 740202306031 10000 BCDE BCI 1,(7) LNK40263
7,(122M INPUT TAPE UNREADABLE7777) LNK

BINARY CARD ID. NETSIM27
00096 454764636063 10000
00097 214725606445 10000
00098 512521242122 10000
00099 432501610101 10000
00100 300000000000 10000
00101 600000000000 10000
00102 740101010306 10000 ENDIP BCI 0,(77736M END OF INPUT. SIMULATION COMPLETE. /111) LNK40265
00103 300025452460 10000
00104 462600314547 10000
00105 64033606231 10000
00106 440443216331 10000
00107 464560236644 10000
00108 474325632533 10000
00109 600101001034 10000
00110 000000000000 10011 BOF HTR * LNK40266

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NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 14

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* NETWORK SIMULATION PROGRAM LNK40268
* SENSE SWITCH 1 OPERATOR CONTROL OF IMP LNK40269
* SENSE SWITCH 2 UP DO NOT CONVERT INPUT LNK40270
* SENSE SWITCH 2 DOWN - CONVERT INPUT LNK40271
* SENSE LIGHT 1=NEGATIVE G-SET LNK40272
* SENSE LIGHT 2=CORRECTNESS OF OUTPUT LNK40273
* SENSE LIGHT 3=CONVERGENCE OF OUTPUT LNK40274
* INDICATOR BIT 2=OMIT 1 COMPUTE FOR LNK40275
* ITERATION LNK40276
* INDICATOR BIT 3=INPUT MODE 1 LNK40277
* INDICATOR BIT 4 = INPUT MODE 2 LNK40278
* INDICATOR BIT 5 = INPUT MODE 3 LNK40279
* INDICATOR BIT 6 = INPUT MODE 4 LNK40280
* INDICATOR BIT 7 ON=MANUAL CHANGE OF MS LNK40281
* 8 ON=MANUAL CHANGE OF BIAS LNK40282
* 9 ON = SUM. MODE FOR DECISION PROCEDUR LNK40283
* 0 OFF=MAXIMUM MODE LNK40284
* 10 ON=PRINT G-SETS LNK40285
* MAXIMUM NO. OF ITERATIONS LNK40286
* TRIALS FOR CONVERGENCE LNK40287
* SET LEVEL=1 LNK40289
* SET TO FIRST COMPONENT LNK40290
* SET LEVEL TO 1 FOR PRINTING LNK40291
* LNK40292

00031 TRYS EQU 25
* BEGIN AXI 0,1
* SXA LEVIR,1
* CLA ONE
* STO LEVCT

BINARY CARD ID. NETSIM28
00045 0441 00 0 03554 10001 LDI INDICT
00046 0655 00 000100 10000 SIR 100 LEVEL SUMMING-QATWO TOV SIGNAL
00047 0057 00 000200 10000 RIR 200
00048 0604 00 0 03554 10001 STI INDICT
00049 0500 00 1 30055 10000 SAVEM CLA MS,1 LNK40293
00050 0601 00 0 03355 10001 STO OLOMS LNK40294
00051 0600 00 1 30063 10000 STZ BIAS,1

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00654	0500	00	0	00526	10001	CLA	NOPP			
00655	0601	00	0	01215	10001	STO	REVER1			
00656	0601	00	0	01314	10001	STO	REVER2			
00657	0400	00	0	03336	10001	ZITER	STZ	TRIAL	RESET LEVEL ITERATION COUNTER	LNK40295
00660	0774	00	2	00000	10000	LEVER	AXT	**0,2	BEGINNING OF LEVEL(2STCOMP)	LNK40296
00661	0600	00	0	03334	10001		STZ	OSUM	INITIALIZE OF OUTPUTS	LNK40297
00662	0600	00	0	03343	10001		STZ	COMCT		LNK40298
00663	0774	00	6	00000	10000		AXT	0,6		
00664	0634	00	2	00725	10001	BECUM	SXA	AXT2,2	BEGINNING OF COMPONENT	LNK40299
00665	0634	00	1	00726	10001		SXA	LEV1,1	SAVE LEVEL NUMBER	LNK40300
00666	0500	00	0	03343	10001		CLA	COMCT		LNK40301
00667	0400	00	0	03324	10001		ADD	ONE		LNK40302

BINARY CARD ID. NETSIM29

00670	0601	00	0	03343	10001	STO	COMCT			LNK40303
00671	0500	00	2	30316	10000	CLA	XANDY,2			LNK40304
00672	4734	00	4	00000	10000	PDX	0,4			LNK40305
00673	0634	00	4	03551	10001	SXA	YYYY,4		SAVE YYYY	LNK40567
00674	0634	00	4	00742	10001	SXA	AXT3,4		SAVE NO. OF PRIMARY LINES	LNK40306
00675	1 77764	2	00401	10011		IXI	**1,2,-12		INDEX PAST 12 WORDS	LNK40307
00676	0734	00	4	00000	10000	PAX	0,4		NUMBER OF STATE LINES	LNK40308
00677	0634	00	4	03550	10001	SXA	XXXX,4		SAVE XXXX	LNK40564

NETSIM ASSEMBLED TEXT.

11/19/65

PAGE 15

00700	0600	00	0	03335	10001	STZ	TSUM			LNK40309
00701	7 00000	4	00745	10001		TXL	PRLIN,4,0		TEST FOR ZERO STATE LINES	LNK40310
00702	0441	00	0	03554	10001	LDI	INDICT			
00703	0054	00	000002	10000		RFT	2		TEST I-COMPUTE BIT	LNK40311
00704	1 00001	1	00401	10011		TXI	**1,1,1		OUTPUT CALCULATED-TAKE NEW VALUE	LNK40312
00705	0500	00	1	30066	10000	CLA	OVAL,1		INDEX FOR DIRECT EFFECTIVE ADDRESS	LNK40313
00706	0737	00	1	00000	10000	PAC	0,1			LNK40314
00707	0560	60	2	30303	10000	SSUM	LDO*	LINE1,2		LNK40315
				00710			QMPYB	LINE1,2		LNK40316
				00715			QADDA	TSUM,0		LNK40317

BINARY CARD ID. NETSIM30

00722	0601	00	0	03335	10001	STO	TSUM			LNK40318
00723	1 77777	2	00401	10011		TXI	**1,2,-1			LNK40319
00724	2 00001	4	00707	10001		TXI	SSUM,4,1			LNK40320
00725	0774	00	4	00000	10000	AXT2	AXT	**0,4	BEGINNING OF COMPONENT	LNK40321
00726	0774	00	1	00000	10000	LEV1	AXT	**0,1	LEVEL NUMBER	LNK40322
00727	0560	00	0	03335	10001		LDO	TSUM		LNK40323
				00730			QMPYA	MS,1		LNK40324

BINARY CARD ID. NETSIM31

00736	0601	00	4	30306	10000	STO	SVAL,4		SAVE COMPUTED S	LNK40325
00737	0441	00	0	03554	10001	LDI	INJECT			
00740	0056	00	000002	10000		RNT	2		TEST IF I IS COMPUTED	LNK40326
00741	0020	00	0	00745	10001	TRA	PRLIN		NO, COMPUTE IT	LNK40327
00742	4774	00	4	00000	10000	AXT3	AXC	**0,4	YES, INDEX TO NEXT COMPONENT	LNK40328
00743	4634	00	4	00401	10011	SXD	**1,4		BY-Y	LNK40329
00744	1 00000	2	01010	10001		TXI	OPUT,2,**0		-NO. OF PRIMARY LINES(-Y)	LNK40330
										LNK40331
00745	0534	00	4	00742	10001	PRLIN	LXA	AXT3,4	CALCULATE AND SAVE COMPUTED I VALUE	LNK40332
00746	7 00000	4	01010	10001		TXL	OPUT,4,0		NO. OF PRIMARY LINES	LNK40333
00747	0500	00	1	30054	10000	CLA	OVAL-10,1		TEST FOR ZERO PRIMARY LINES	LNK40334
00750	0737	00	1	00000	10000	PAC	0,1		INDEX FOR DIRECT EFFECTIVE ADDRESS	LNK40335
00751	0600	00	0	03335	10001	STZ	TSUM			LNK40336
00752	0500	00	0	01102	10001	CLA	IIST		SKIP SVAL ON FIRST OUTPUT--GARBAGE	LNK40337
00753	0601	00	0	01020	10001	STO	ICHANG			
00754	0560	60	2	30303	10000	ISUM	LDO*	LINE1,2		LNK40338
				00755			QMPYB	LINE1,2		LNK40339
				00762			QADDA	TSUM,0		LNK40340

BINARY CARD ID. NETSIM32

00767	0601	00	0	03335	10001	STO	TSUM			LNK40341
00770	1 77777	2	00401	10011		TXI	**1,2,-1			LNK40342
00771	2 00001	4	00754	10001		TXI	TSUM,4,1			LNK40343
00772	0534	00	4	00725	10001	LXA	AXT2,4		GET BEGINNING OF COMPONENT	LNK40344
00773	0534	00	1	00726	10001	LXA	LEV1,1		GET LEVEL NUMBER	LNK40345
00774	0560	00	0	03335	10001		LDO	TSUM		LNK40346
				00775			QMPYA	HI,1		LNK40347
				01003			QADDB	BIAS,1		LNK40348
									CALCULATE 0=5+1	LNK40349

BINARY CARD ID. NETSIM33

01007	0601	00	4	30306	10000	STO	IYAL,4		SAVE COMPUTED I	LNK40350
01010	0534	00	4	00725	10001	OPUT	LXA	AXT2,4		LNK40351
01011	0500	00	1	30066	10000	CLA	OFIF,1		OUTPUT FLIPFLOP	LNK40352

NETSIM ASSEMBLED TEXT.

11/19/65

PAGE 16

01012	0400	00	0	03327	10001	ADD	2NEXT		GET ADDRESS OF OUTPUT	LNK40353
01013	0621	00	0	01037	10001	STA	OLD		OLD OUTPUT IN ADDRESS	LNK40354
01014	0771	00	0	00022	10000	ARS	IR			LNK40355
01015	0621	00	0	01026	10001	STA	NEW		NEW OUTPUT IN DEFR	LNK40356
01016	0500	00	4	30306	10000	CLA	SVAL,4			LNK40357
01017	0140	00	0	00401	10011	TOV	**1			LNK40358
01020	0761	00	0	00000	10000	ICHANG	NOP			
01021	0767	00	0	00010	10000	ALS	8			
01022	0120	00	0	00403	10011	TPL	**3		TEST OFR POSITIVE OVERFOLW	
01023	4754	00	0	00000	10000	PXD	0,0			LNK40361
01024	0100	00	0	00402	10011	TZE	**2		SKIP SATURATION FOR NEGATIVE OVERFOLW	
01025	0140	00	0	01136	10001	TOV	SAT			
01026	0601	00	4	00000	10000	NEW	STO	**0,4	STORE NEW OUTPUT VALUE	LNK40365
				01027			QATMO	OSUM,0	ADD TO SUM	LNK40366

BINARY CARD ID. NETSIM34

01034 0601 00 0 03334 10001
01035 4520 00 0 03336 10001
01036 067C 00 0 01056 10001
01037 0500 00 4 00000 10000
01040 0402 00 0 01026 10001
01041 0560 00 0 03323 10001
01042 0221 00 0 01037 10001
01043 0760 00 0 00012 10000
01044 0020 00 0 01044 10001
01045 0131 00 0 00000 10000
010 0 0700 00 0 00003 10000
01047

STO DSUM
NZT TRIAL
TRA MRCOMP
CLA **0.4
SUB* NEW
LDQ ZERO
DVP* OLD
DCT
TRA OFF+1
XCA
SSP
OSOME FPSLN,0

SKIP CONVERGENCE TEST -- FORCE ITERATION
COMPARE OLD VALUF
WITH NEW VALUE
COMPUTE (OLD-NEW)/OLD
ON
OFF
HAS OUTPUT CONVERGED

LNK40367
LNK40368
LNK40369
LNK40370
LNK40371
LNK40372
LNK40373
LNK40374
LNK40375
LNK40376

BINARY CARD ID. NETSIM35

01054 4120 00 0 00402 10011
01055 0760 00 0 00143 10000
01056 0500 00 2 30303 10000
01057 0120 00 0 00664 10001
01060 0534 00 4 03336 10001
01061 3 00000 4 01071 10001
01062 0441 00 0 03554 10001
01063 0055 00 000002 10000
01064 0500 00 0 01103 10001
01065 0601 00 0 01020 10001
01066 0604 00 0 03554 10001
01067 0774 00 4 00031 10000
01070 0020 00 0 00404 10011
01071 4760 00 0 00143 10000
01072 0020 00 0 01161 10001
01073 4 00001 4 01104 10001
01074 0634 00 4 03336 10001

TMJ **2
SLN 3
MRCOMP CLA NEXT,2
TPL BECOM
LXA TRIAL,4
TRH TRI,4,0
LDI INDICT
SIR 2
CLA I2ND
STD ICHANG
STJ INDICT
ART TRYS,4
TRA **4
TRI SLT 3
TRA STABL
TRX UNSTA,4,1
SXA TRIAL,4

YES
NO,SET SWITCH
NO,GET NEXT ONE
NO. OF TRIES
TEST FOR FIRST ITERATION
YES-SET BIT TO OMIT I COMPUTED
SET UP LOOP
TEST FOR CONVERGENCE
OFF-CONVERGENCE
TEST FOR MAXIMUM TRIES FOR CONVERGENCE
NOT ENOUGH

LNK40377
LNK40378
LNK40380
LNK40383
LNK40384
LNK40385
LNK40386
LNK40382
LNK40388

BINARY CARD ID. NETSIM36

01075 0534 00 1 00726 10001
01076 0560 00 1 30065 10000
01077 4774 00 0 00022 10000
01100 4600 00 1 30065 10000
01101 0020 00 0 00660 10001
01102 0500 00 4 30305 10000
01103 0400 00 4 30305 10000

LXA LEVL,1
LDQ OFLIP,1
RQL 18
STD OFLIP,1
TRA LEVIR
CLA IVAL,4
ADD IVAL,4

REVERSE OFLIP
START LEVEL AGAIN

LNK40389
LNK40390
LNK40391
LNK40392
LNK40393

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 17

01104 0020 00 0 0110. 10001
01105 0500 00 1 30055 10000
01106 0402 00 0 30052 10000
01107 0120 00 0 00402 10011
01110 4754 00 0 00000 10000
01111 0601 00 1 30035 10000
01112 0601 00 0 03546 10001
01113 000000000000 00010
01115 0074 00 4 03400 10011
01114 1 00003 0 00405 10011
01115 0 27051 0 03777 10000
01116 0 00000 0 03546 10001

* LEVEL IS UNSTABLE. REDUCE MS
UNSTA TRA UNS1
UNSI CLA MS,1
SUB MSTEP
TPL **2
PKD 0,0
UNSI2 STD MS,1
STD AAA
CALL BTDF'AAA,=5,AAA)'2047'

STORE NEW MS

LNK40394
LNK40405
LNK40406
LNK40407
LNK40408
LNK40409
LNK40410
LNK40411

BINARY CARD ID. NETSIM37

01117 0 00000 0 03611 10001
01120 0 00000 0 03546 10001
01121 000000000000 00010
01121 0074 00 4 10400 10011
01122 1 00002 0 00404 10011
01123 0 27051 0 04000 10000
01124 0 00000 0 14000 10011
01125 0 00000 0 03124 10001
01126 0500 00 0 03342 10001
01127 0074 00 4 14400 10011
01130 0500 00 0 03546 10001
01131 0074 00 4 14400 10011
01132 000000000000 00010
01132 0074 00 4 05400 10011
01133 1 00000 0 00402 10011
01134 0 27051 0 04000 10000
01135 0020 00 0 00657 10001
01136 0500 00 0 03612 10001
01137 0020 00 0 01026 10001

CALL .FWRD.(UN06.,RCD1)'2048'

CLA LEVCT
TSX .FCNV,4
CLA AAA
TSX .FENV,4
CALL .FFIL.'2048'

START LEVEL AGAIN

LNK40412

LNK40413
LNK40414
LNK40415
LNK40416
LNK40417

LNK40418

BINARY CARD ID. NETSIM38

01140 200000000001 00001
01141 200000000001 00001
01142 200000000001 00001
01143 740901366046 10000
01144 646347646360 10000
01145 462660234644 10000
01146 474645254563 10000
01147 606346604321 10000
01148 512725601373 10000
01149 261133043460 10000
01152 740204306031 10000
01153 652143206265 10000
01154 214360316240 10000
01155 634660432151 10000
01156 272560137326 10000
01157 113304346060 10000
01160 0 00000 0 00000 10000

DP2 BSS 1
HOLD BSS 1
SHT BSS 1
SMFOTP BCI 7,(31H OUTPUT OF COMPONENT TO LARGE =,F9.4)
ADUUTP PCI 6,(24H IVAL+SVAL IS TO LARGE =,F9.4)
HOLD PZF 0
* OUTPUT IS NEW STABLE-TEST FOR RANGE
STABL RIR 2
LMT

RESET BIT FOR I-COMPUTE

LNK40419
LNK40420

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 18

BINARY CARD ID. NETSIM39									
01163	0604	00	0	03554	10001	STI	INDICT		
01164	0560	00	1	30064	10000	LDO	ESUM,1	GET RANGE OF	LNK40421
01165	0700	00	0	03322	10001	MPY	TENTH	PERMISSIBLE OUTPUT	LNK40422
01166	0601	00	0	03353	10001	STO	TEMP		LNK40423
01167	0500	00	1	30064	10000	CLA	ESUM,1	(ESUM-OSUM) 424	
01170	0402	00	0	03334	10001	SUB	OSUM	GET DIFFERENCE 425	
01171	4340	00	0	03353	10001	LAS	TEMP	IS OUTPUT IN RANGE	LNK40426
01172	0020	00	0	01175	10001	TRA	AJUST	NO-ADJUST BIAS	LNK40427
01173	0020	00	0	01577	10001	TRA	ACCEPT	YES	LNK40428
01174	0020	00	0	01577	10001	TRA	ACCEPT	YES	LNK40429
01175	0441	00	0	01524	10001	AJUST	LDI	BIAS CONTROL WORD	
01176	0601	00	0	01534	10001	STO	DIFF2B		
01177	0054	00	0	000004	10000	RFT	4		
01200	0020	00	0	01310	10001	TRA	ITER		
01201	0054	00	0	000002	10000	RFT	2		
01202	0020	00	0	01244	10001	TRA	AJUST2		
01203	0054	00	0	000001	10000	RFT	1		
01204	0020	00	0	01227	10001	TRA	AJUST1		
01205	0601	00	0	01533	10001	AJUSTO	STO	(OSUM-ESUM)	
BINARY CARD ID. NETSIM40									
01206	0131	00	0	00000	10000	XCA			
01207	4754	00	0	00000	10000	PKD	0,0		
01210	0221	00	0	03343	10001	DVP	COMCT	= OF COMPONENTS THIS LEVEL - B(6)	
01211	0131	00	0	00000	10000	XCA			
01212	0560	00	0	01533	10001	LDO	DIFF1B	ATTACH SIGN FOR CHANGE	
01213	0763	00	0	00000	10000	LLS	0		
01214	0771	00	0	00003	10000	ARS	3	B(6) TO B(9)	
01215	0761	00	0	00000	10000	REVER1	NOP	CHS (INSERTED IF(OSUM2-OSUM1) SIGN DIFFEREN	
01216	0601	00	0	01530	10001	STO	DB1	FROM SIGN GIVEN TO DBIAS	
01217	0400	00	1	30063	10000	ADD	BIAS,1	BIAS=0, EXCEPT WHEN OVERFLOW OF OSUM HAS OC	
01220	0601	00	1	30063	10000	STO	BIAS,1		
01221	0055	00	0	000001	10000	SIR	1	BIAS CONTROL-SIGNALS AJUST 1 FOR NEXT AJUS	
01222	0604	00	0	01524	10001	STI	HCONTL		
01223	0500	00	0	03334	10001	CLA	OSUM	BASE OSUM FOR TESTING IN LATER ADJUSTMENTS	
01224	0601	00	0	01525	10001	STO	OSUM1		
01225	0500	00	1	30063	10000	CLA	BIAS,1		
01226	0020	00	0	01535	10001	TRA	AJ2	RFTURN	
01227	0601	00	0	01534	10001	AJUST1	STO	B6	
01230	0500	00	0	03334	10001	CLA	OSUM	TEST TO SEE IF DB HAS SAME DIRECTION	
BINARY CARD ID. NETSIM41									
01231	0340	00	0	01525	10001	CAS	OSUM1	COMPARE FOR SAME	
01232	0020	00	0	00402	10011	TRA	++2		
01233	0020	00	0	01476	10001	TRA	OIE002	THE SAME --- OUTPUTS SATURATED	
01234	0402	00	0	01525	10001	SUB	OSUM1	OF CHANGE AS DOSUM. IF NOT SIGN	
01235	0601	00	0	01531	10001	STO	DOSUM	ATTACHMENT INSTR FOR DB WILL BE REVERSED.	
01236	0560	00	0	01533	10001	LDO	DIFF1B	B6	
01237	4120	00	0	00403	10011	TMI	++3		
01240	0162	00	0	00403	10011	TOP	++3	BOTH PLUS	
01241	0020	00	0	01337	10001	TRA	REVSIN	DIFFER-REVERSE DB SIGN CODING	
01242	0162	00	0	01332	10001	TOP	REVSIN		
01243	0020	00	0	00402	10011	TRA	++2		
01244	0601	00	0	01534	10001	AJUST2	STO	TEST (OSUM2-ESUM) WITH (OSUM1-ESUM)	
01245	0500	00	0	01534	10001	CLA	DIFF2B	TO SEE IF OSUM2 HAS REACHED OPPOSITE SIDE.	

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 19

01246	0560	00	0	01533	10001	LDO	DIFF1B		
01247	4120	00	0	00403	10011	TMI	++3		
01250	0162	00	0	00403	10011	TOP	++3	SAME SIGN-OSUM2 MUST BE FURTHER CHANGED	
01251	0020	00	0	01307	10001	TRA	AJUST4	BOTH BOUNDRIES ABOUT ESUM FOUND	
01252	0162	00	0	01302	10001	TOP	AJUST4	START ITER. TO REDUCE TO PROPR AMOUNT.	
01253	0500	00	0	01532	10001	CLA	PCENTR		
BINARY CARD ID. NETSIM42									
01254	0100	00	0	00403	10011	TZE	++3		
01255	0500	00	0	01530	10001	CLA	DB1		
01256	0020	00	0	01274	10001	TRA	SET2		
01257	4754	00	0	000006	10000	PKD	0,0		
01260	0131	00	0	000000	10000	XCA			
01261	0500	00	0	01531	10001	CLA	DOSUM	AMOUNT OF CHANGE FOR DB USED	
01262	0221	00	0	01533	10001	DVP	DIFF1B	AMOUNT REQUIRED	
01263	0760	00	0	00012	10000	DCT		PCENTR GREATER THAN ONE	
01264	0020	00	0	01511	10001	TRA	LARGE		
01265	4600	00	0	01532	10001	STO	PCENTR	H0	
01266	0500	00	0	01530	10001	CLA	DB1	P9	
01267	0221	00	0	01532	10001	DVP	PCENTR	R0	
01270	0760	00	0	00012	10000	DCT		B9-B0+B9(MQ)	
01271	0020	00	0	01320	10001	TRA	SMALCH	OVERFLOW-GREATER THAN B9	
01272	0131	00	0	000000	10000	XCA			
01273	0402	00	0	01530	10001	SUB	DB1		
01274	0601	00	0	01530	10001	SET2	STO	SAVE DB FOR ITER FOR OSUM OVERFLOW	
01275	0055	00	0	000007	10000	SIR	2	SET CONTROL FOR AJUST2	
01276	0604	00	0	01524	10001	STI	HCONTL		
BINARY CARD ID. NETSIM43									
01277	0400	00	1	30063	10000	ADD	BIAS,1	BIAS=0, EXCEPT WHEN OSUM OVERFLOWS	
01300	0140	00	0	01470	10001	TOP	TOBIG1		
01301	0020	00	0	01535	10001	TRA	AJ2	RETURN	
01302	0500	00	0	01530	10001	AJUST4	CLA	DB RANGE-ITERATE TO FIND CORRECT VALUE	

01303	07=0	00	0	00003	10000	SSP			
01304	0601	00	0	01522	10001	STO	RANGE		
01305	0055	00	0	000004	10000	SIR	4	SET CONTROL FOR AJUST4	
01306	0404	00	0	01524	10001	STI	BCONTL		
01307	0601	00	0	01527	10001	STO	BITFR		
01310	0500	00	0	01527	10001	ITER4	CLA		
01311	0771	00	0	00001	10000	ARS	1	ITERATE IN 1/2 STEPS IN RANGE OF DB	
01312	0560	00	0	01534	10001	LDQ	DIFF2B		
01313	0763	00	0	00000	10000	LLS	0		
01314	0761	00	0	00000	10000	REVER2	NOP	CHS INSERTED IF DB CHANGES INVERSELY	
01315	0401	00	0	01527	10001	STO	BITER		
01316	0400	00	1	30063	10000	ADD	BIAS,1	TO DOSUM.	
01317	0020	00	0	01535	10001	TRA	AJ2		
01320	0765	00	0	00000	10000	SMALCH	LRS	SAVE SIGN	
01321	0054	00	0	000002	10000	RFT	2		

BINARY CARD ID. NETSIM44

01322	0020	00	0	01326	10001	TRA	SMALC2	ON	
01323	0500	00	0	03613	10001	CLA	=0010000000000	SET DB=120/, B(9)	
01324	0763	00	0	00000	10000	LLS	0	ATTACH SIGN 0= DB	
01325	0020	00	0	01274	10001	TRA	SETZ	SAVE FOR NEXT INCREASE	
01326	0500	00	0	01530	10001	SMALC2	CLA	TRUE BIAS VALUE	
01327	0400	00	1	30063	10000	ADD	BIAS,1	DOUBLE DB1	

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 20

01330	0140	00	0	01470	10001	TOV	TOBIG1		
01331	0020	00	0	01535	10001	TRA	AJ2		
01332	0500	00	0	01523	10001	REVSN	CLA	CMGSH	
01333	0054	00	0	000010	10000	RFT	10		
01334	0500	00	0	00526	10001	CLA	NOPP		
01335	0401	00	0	01215	10001	STO	REVER1		
01336	0601	00	0	01314	10001	STO	REVER2		
01337	0054	00	0	000010	10000	RFT	10		
01340	0020	00	0	01351	10001	TRA	RESET		
01341	0055	00	0	000010	10000	SIR	10		
01342	0604	00	0	01524	10001	STI	BCONTL		
01343	0500	00	0	01530	10001	CLA	DB1		
01344	0760	00	0	00002	10000	CHS			

BINARY CARD ID. NETSIM45

01345	0601	00	0	01530	10001	STO	DB1		
01346	0767	00	0	00001	10000	ALS	1		
01347	0400	00	1	30063	10000	ADD	BIAS,1		
01350	0020	00	0	01535	10001	TRA	AJ2		
01351	0057	00	0	000010	10000	RESET	RIR	10	ITERATE BETWEEN /2*DB1/
01352	0604	00	0	01524	10001	STI	BCONTL		
01353	0500	00	0	01530	10001	CLA	DB1		
01354	0760	00	0	00002	10000	CHS			
01355	0400	00	1	30063	10000	ADD	BIAS,1		
01356	0601	00	1	30063	10000	STO	BIAS,1		
01357	0500	00	0	01530	10001	CLA	DB1		
01360	0760	00	0	00002	10000	CHS			
01361	0771	00	0	00001	10000	ARS	1		
01362	0601	00	0	01530	10001	STO	DB1		
01363	0400	00	1	30063	10000	ADD	BIAS,1		
01364	0020	00	0	01535	10001	TRA	AJ2		
01365	0441	00	0	01524	10001	ITER	LDI	BCONTL	
01366	0601	00	0	01534	10001	STO	DIFF2B		SAVE SIGN OF OSUM
01367	0054	00	0	000004	10000	RFT	4		

BINARY CARD ID. NETSIM46

01370	0020	00	0	01310	10001	TRA	ITER4		REDUCE LAST DB BY HALF
01371	0054	00	0	000002	10000	RFT	2		
01372	0020	00	0	01403	10001	TRA	ITER2		
01373	0056	00	0	000001	10000	RFT	1		
01374	0020	00	0	01413	10001	TRA	ITER0		AJUST HAS NOT BEEN CALLED YET
01375	0402	00	0	01525	10001	ITER1	SUB	OSUM1	OVERFLOW AFTER 1ST PASS OF AJUST
01376	0560	00	0	01533	10001	LDQ	DIFF1B		TEST FOR CORRECT DIRECTION OF CHANGE
01377	4120	00	0	00403	10011	THI	++3		
01400	0162	00	0	00403	10011	TOP	++3		BOTH POSITIVE-OK
01401	0020	00	0	01332	10001	TRA	REVSN		DB1 SIGN WRONG-CHANGE SIGN T
01402	0162	00	0	01332	10001	TOP	REVSN		
01403	0300	00	0	01530	10001	ITER2	CLA	DB1	REDUCE DB1 BY HALF
01404	0771	00	0	00001	10000	ARS	1		
01405	0601	00	0	01530	10001	STO	DB1		
01406	0402	00	1	30063	10000	SUB	BIAS,1		ADJUST BIAS TO REPRESENT DB1/2
01407	0760	00	0	00002	10000	CHS			PLUS INITIAL BIAS=BIAS-DB1
01410	0055	00	0	000002	10000	SIR	2		
01411	0604	00	0	01524	10001	STI	BCONTL		
01412	0020	00	0	01535	10001	TRA	AJ2		

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 21

BINARY CARD ID. NETSIM47

01413	0601	00	0	01525	10001	ITER0	STO	OSUM1	SAVE SIGN OF OSUM OVERFLOW
01414	0500	00	1	30063	10000	CLA	BIAS,1		
01415	4100	00	0	01433	10001	THZ	ITER01		1ST BIAS CHANGE THIS LEVEL
01416	0500	00	0	03343	10001	CLA	COMCT		= COMPONENTS THIS OVERFLOW
01417	0601	00	0	01526	10001	STO	COMCT1	B(0)	
01420	0500	00	0	03614	10001	CLA	=0377400000000	B(9)	
01421	0131	00	0	00000	10000	XCA			
01422	4754	00	0	00000	10000	PXD	0,0		
01423	0221	00	0	01526	10001	DVP	COMCT1	H(9)-H(0)=B(9),M(
01424	0763	00	0	00003	10000	LLS	3	H(6)	
01425	0131	00	0	00000	10000	XCA			
01426	0560	00	0	01525	10001	LDQ	OSUM1		

01427	0763	00	0	00000	10000	LLS	0		
01430	0760	00	0	00002	10000	CHS			
01431	0601	00	0	01530	10001	STO	DB1		
01432	0020	00	0	01535	10001	TRA	AJZ		
01433	0500	00	0	03334	10001	ITER01 CLA	OSUM	MCRE OVERFLOW	
01434	0560	00	0	01525	10001	LDO	OSUM1	TEST FOR SIGN CHANGE IN OVERFLOW	
01435	4120	00	0	00403	10011	TMT	**3		

BINARY CARD ID. NETSIM48									
01436	0162	00	0	00403	10011	TOP	**3	SAME SIGN	
01437	0020	00	0	01451	10001	TRA	TOBIG	REDUCE DB1-DIFFERENT SIGNS	
01440	0162	00	0	01451	10001	TOP	TOBIG		
01441	0500	00	0	03343	10001	CLA	COMCT1	SAME SIGN-COMPARE = COMP. IN SUM	
01442	0340	00	0	01526	10001	AS	COMCT1	TEST FOR DIRECTION OF CHANGE	
01443	0020	00	0	01457	10001	TRA	REVS	WRONG-REVERSE SIGN OF DB1	
01444	0020	00	0	01457	10001	TRA	REVS	UNDECIDED-TRY REVERSED SIGN	
01445	0500	00	0	01530	10001	CLA	DB1	OR-MAKE DB1 LARGER	
01446	0400	00	1	30063	10000	ADD	BIAS,1		
01447	0140	00	0	01464	10001	TOV	BSAT		
01450	0020	00	0	01535	10001	TRA	AJZ		
01451	0500	00	0	01530	10001	TOBIG CLA	DB1		
01452	0771	00	0	00001	10000	ARS	1	REDUCE DB1 BY HALF	
01453	0601	00	0	01530	10001	STO	DB1		
01454	0402	00	1	30063	10000	SUB	BIAS,1	REDUCE BIAS BY HALF DB1	
01455	0760	00	0	00002	10000	CHS			
01456	0020	00	0	01535	10001	TRA	AJZ		
01457	0500	00	0	01530	10001	REVS CLA	DB1	CHANGE SIGN OF DB1 AND	
01460	0771	00	0	00001	10000	ARS	1	INCREASE THE BIAS BY TWO DB1	

BINARY CARD ID. NETSIM49									
01461	0400	00	0	01530	10001	ADD	DB1		
01462	0601	00	0	01530	10001	STO	DB1		
01463	0020	00	0	01332	10001	TRA	REVSIN		
01464	0131	00	0	00000	10000	BSAT	XCA		
01465	0500	00	0	03614	10001	CLA	+0377400000000		
01466	0763	00	0	00000	10000	LLS	0		
01467	0020	00	0	01535	10001	TRA	AJZ		
01470	0500	00	0	01530	10001	TOBIG1 CLA	DB1		
01471	0771	00	0	00001	10000	ARS	1		
01472	0601	00	0	01530	10001	STO	DB1		
01473	0400	00	1	30063	10000	ADD	BIAS,1		
01474	0140	00	0	01470	10001	TOV	TOBIG1		
01475	0020	00	0	01535	10001	TRA	AJZ		

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 22

01476	0500	00	0	01530	10001	01EQ02 CLA	DB1		
01477	0767	00	0	00001	10000	ALS	1		
01500	0601	00	0	01530	10001	STO	DB1		
01501	0400	00	1	30063	10000	ADD	BIAS,1		
01502	0140	00	0	01504	10001	TOV	TOBIG2		
01503	0020	00	0	01535	10001	TRA	AJZ		

BINARY CARD ID. NETSIM50									
01504	0500	00	0	03615	10001	TOBIG2 CLA	+0377700000000		
01505	0560	00	0	01530	10001	LDO	DB1		
01506	0763	00	0	00000	10000	LLS	0		
01507	0601	00	0	01530	10001	STO	DB1		
01510	0020	00	0	01535	10001	TRA	AJZ		
01511	000000000000			00010	LARGE CALL		.FWRD.(.UN06.,BBIAS)		
01511	0074	00	4	10400	10011				
01512	1	00002	0	00404	10011				
01513	0	27051	0	01504	10000				
01514	0	00000	0	14000	10011				
01515	0	00000	0	03163	10001				
01516	000000000000			00010	CALL		.FFIL.		
01516	0074	00	4	05400	10011				
01517	1	00000	0	00402	10011				
01520	0	27051	0	01505	10000				
01521	0020	00	0	01401	10011	TRA	NETSIM+1		
01522	0	00000	0	00000	10000	RANGE PZE	0		
01523	0760	00	0	00002	10000	CHGSIN CHS			
01524	0	00000	0	00000	10000	BCONTL PZF	0		

BINARY CARD ID. NETSIM51									
01525	0	00000	0	00000	10000	OSUM1 PZE	0		
01526	0	00000	0	00000	10000	COMCT1 PZE	0		
01527	0	00000	0	00000	10000	RITER PZE	0		
01530	0	00000	0	00000	10000	DB1 PZE	0		
01531	0	00000	0	00000	10000	DOSUM PZE	0		
01532	0	00000	0	00000	10000	PCENTB PZE	0		
01533	0	00000	0	00000	10000	DIFF1B PZE	0		
01534	0	00000	0	00000	10000	DIFF2B PZE	0		
01535	0601	00	1	30063	10000	A	BIAS,1		
01536	0601	00	0	03546	10001	STO	AAA		LNK40446
01537	0441	00	0	03554	10001	INDICT		RESET FOR I-COMPUTED BECAUSE OF CALL TO	
01540	0057	00	0	000002	10000	RIR	2	ADJUST BYPASSING STABLE **	
01541	0604	00	0	03554	10001	STI			
01542	0500	00	0	00541	10001	CLA	BIASCH	INCREMENT BIAS CHANGE COUNTER	
01543	0400	00	0	03324	10001	ADD	ONE		
01544	0601	00	0	00541	10001	STO	BIASCH		
01545	0500	00	0	03355	10001	CLA	ULDMS	USE ORIGINAL MS	LNK40447
01546	0601	00	1	30055	10000	STO	MS,1		LNK40448
01547	0500	00	0	03200	10001	CLA	KEYS	TEST FOR BIAS CHANGE PRINTOUT	

BINARY CARD ID. NETSIM52									
01550	4320	00	0	00561	10001	ANA	K20	KEY 20 -- YES IF A ONE BIT	
01551	0100	00	0	00651	10001	TZE	ZITER		
01552	000000000000			00010	AJ3 CALL		BTDF(AAA,+9,AAA)		
01552	0074	00	4	03400	10011				
01553	1	00003	0	00405	10011				
01554	0	27051	0	01537	10000				

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 23

01555	0	00000	0	03546	10001				
01556	0	00000	0	03616	10001				
01557	0	00000	0	03546	10001				
01560	000000000000				00010	CALL	.FWRD.1.UN06.,BCDB1*2091'		LNK40450
01560	0074	00	4	10400	10011				
01561	1	00002	0	00404	10011				
01562	0	27051	0	04053	10000				
01563	0	00000	0	14000	10011				
01564	0	00000	0	03145	10001				
01565	0500	00	0	03342	10001	CLA	LEVCT		LNK40451
01566	0074	00	4	14400	10011	TSX	.FCNV.,4		LNK40452
01567	0500	00	0	03546	10001	CLA	AAA		LNK40453
01570	0074	00	4	14400	10011	TSX	.FCNV.,4		LNK40454
BINARY CARD ID. NETSIM53									
01571	0500	00	0	01524	10001	CLA	BCONTL		
01572	0074	00	4	14400	10011	TSX	.FCNV.,4		
01573	000000000000				00010	CALL	.FFIL.*2091'		LNK40455
01573	0074	00	4	05400	10011				
01574	1	00000	0	00402	10011				
01575	0	27051	0	04053	10000				
01576	0020	00	0	00657	10001				
01577	0534	00	1	00726	10001	TRA	ZETER	RE-COMPUTE LEVEL	LNK40456
01600	0600	00	0	01532	10001	ACCEPT	LXA	LEVEL IS ACCEPTABLE	LNK40457
01601	0600	00	0	01524	10001		STZ	LEVEL NUMBER	LNK40458
01602	0560	00	1	30066	10000		STZ		
01603	4773	00	0	00022	10000		LDQ		
01604	4500	00	1	30065	10000		RQL		LNK40459
01605	4765	00	0	00022	10000		CAL		LNK40460
01606	0621	00	1	30066	10000		LGR		LNK40461
01607	4600	00	1	30065	10000		STA	PUT NEW OUTPUT INDEX INTO OVAL	LNK40462
01610	0074	00	4	02607	10001		STQ	OLD OVAL INDEX INTO FLIPFLOP	LNK40463
01611	0500	00	2	30303	10000		TSX		LNK40464
01612	0100	00	0	01620	10001		PRINT,4		LNK40465
* PRIT OUTPPT FROM LEVEL									
						CLA	NEXT,2	CHECK FOR LAST LEVEL	LNK40466
						TZE	ULTIM	YES	LNK40468
BINARY CARD ID. NETSIM54									
01613	0634	00	2	00660	10001	SXA	LEVIR,2	SAVE BEGINNING OF NEW LEVEL	LNK40469
01614	0500	00	0	03324	10001	CLA	ONE	INCREMENT NEW LEVEL NO FOR PRINT	LNK40470
01615	0400	00	0	03342	10001	ADD	LEVCT		LNK40471
01616	0601	00	0	03342	10001	STO	LEVCT		LNK40472
01617	1	77766	1	00651	10001	TXI	SAVEN,1,-10	INCREMENT LEVEL AND	LNK40473
* CONOLIDATTE OUTPUT INTO SPALLER STRING									
01620	0500	00	1	30066	10000	ULTIM	CLA	BEGIN NEW ONE	LNK40474
01621	0737	00	1	00000	10000		PAC	LOAD PROPER OUTPUT WORD	LNK40475
01622	0441	00	0	03554	10001		LDI		LNK40476
01623	0057	00	0	000100	10000		RIR		LNK40477
01624	0055	00	0	000200	10000		SIR	STRING SUMMING-QATWO TOV SIGNAL	
01625	0664	00	0	03554	10001		STJ		
01626	0535	00	2	00660	10001		LAC		LNK40478
01627	0754	00	2	00000	10000		PXA	INDEX OF FIRST COMP IN ADDR	LNK40479
01630	0400	00	0	03327	10001		ADD	ADDRESS OF FIRST COMP IN ADDR	LNK40480
01631	0774	00	2	00000	10000		AXT	INITIALIZE STRING INDEX	LNK40481
01632	0600	00	2	03362	10001	ELTS	STZ	SET NEW STRING ELEMENT TO ZERO	LNK40482

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 24

01633	0534	00	4	03337	10001	LXA	M,4	INDEX FOR M COMPONENTS	LNK40483
01634	0621	00	0	01636	10001	NEWAD	STA	STORE ADDRESS OF	LNK40484
01635	0621	00	0	01645	10001	STA	NELT	NEXT COMPONENT	LNK40485
BINARY CARD ID. NETSIM55									
01636	0500	00	1	30303	10000	ADELT	CLA	ADD OUTPUT OF M COMPS	LNK40486
				01637			QATWO		LNK40487
01644	0601	00	2	03362	10001		STO		LNK40488
01645	0500	00	0	30303	10000	NELT	CLA*	GET NEXT ELEMENT	LNK40489
01646	0100	00	0	01652	10001		TZE	END OF OUTPUT	LNK40490
01647	0500	00	0	01645	10001		CLA*	GET ADDRESS OF ONEXT COMPONENT	LNK40491
01650	2	00001	4	01634	10001		TXI	ADD NEXT ELEMENT	LNK40492
01651	1	77777	2	01632	10001		ELTS,2,-1	INDEX TO NEXT OUTPUT ELEMENT	LNK40493
* DECISION PPROCEDURE FOR FIX-FORGETS									
01652	0600	00	0	03354	10001	SMALL	STZ	SET COMPARISON SUM EQUAL TO ZERO	LNK40494
01653	0441	00	0	03554	10001		INDCT		LNK40495
01654	0054	00	0	000400	10000		RFT		LNK40496
01655	0020	00	0	01715	10001		TRA		LNK40497
01656	0634	00	1	01714	10001		SXA		LNK40498
01657	0774	00	1	00000	10000		AXT		LNK40499
01660	0600	00	0	03433	10001		STZ		LNK40500
BINARY CARD ID. NETSIM56									
01661	1	77777	2	00401	10011		TXI		LNK40501
01662	4634	00	2	01713	10001		SXD		LNK40502
01663	0500	00	0	03433	10001	MSHLP	CLA		LNK40503
01664	0400	00	0	03324	10001		ADD		LNK40504
01665	0601	00	0	03433	10001		STO		LNK40505
01666	0500	00	1	03362	10001		CLA		LNK40506
01667	0601	00	0	03546	10001		STO		LNK40507
01670	000000000000				00010	CALL	BTOF(AAA,*6,AAA)*2151'		40508
01670	0074	00	4	03400	10011				
01671	1	00003	0	00405	10011				
01672	0	27051	0	04147	10000				
01673	0	00000	0	03546	10001				
01674	0	00000	0	03617	10001				
01675	0	00000	0	03546	10001				
01676	000000000000				00010	CALL	.FWRD.1.UN06.,MISH1*2151'		LNK40509
01676	0074	00	4	10400	10011				
01677	1	00002	0	00404	10011				
01700	0	27051	0	04147	10000				
01701	0	00000	0	14000	10011				

BINARY CARD ID. NETSIM57						
01702	0	06000	0	03177	10001	
01703	0500	00	0	03433	10001	CLA PSHCTR
01704	0074	00	4	14400	10011	TSX .FCNV.,4
01705	0500	00	0	03546	10001	CLA AAA
01706	0074	00	4	14400	10011	TSX .FCNV.,4
01707	0060000000				00010	CALL .FFIL.*2151*
01707	0074	00	4	05400	10011	
01710	1	00000	0	00402	10011	
01711	0	27051	0	04147	10000	
01712	1	77777	1	00401	11011	TXI **1,1,-1
01713	3	00000	1	01443	11011	TXM PSHLP,1,0,0,0
	1	00003	7	00001	11010	

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 25

01714	0774	00	1	00000	10011	PSHEND	AXT	**0,1		LINK40517
	1	00001	7	00001	11010					
01715	4634	00	2	01732	10001	SXD	OPEND,2		SET UP LOOP FOR STRING	LINK40518
01716	0535	00	4	27050	10000	LAC	KEY,4		GET KEY ELEMENT	LINK40519
01717	1	00001	4	00401	10011	TXI	**1,4,1			LINK40520
01720	0540	00	4	03362	10001	LDD	STRING,4		FOR COMPARISON	LINK40521
01721	0600	00	4	03362	10001	STZ	STRING,4			LINK40522
BINARY CARD ID. NETSIM58										
01722	0774	00	4	00000	10000	AXT	0,4		INITIALIZE COMPARISON	LINK40523
01723	0500	00	4	03362	10001	CMP	CLA	STRING,4	TEST COMPARISON MODE	LINK40524
01724	0441	00	0	03554	10001	LDI	INDICT			
01725	0054	00	0	000400	10000	RFT	400			
01726	0400	00	0	03354	10001	ADD	CMSUM		SUMMATION MODE-ADD ELTS	LINK40525
01727	0040	00	0	01754	10001	TLQ	FORGET		TEST FOR FIX OR FORGET	LINK40526
01730	0601	00	0	03354	10001	STU	CMSUM			LINK40527
01731	1	77777	4	00401	10011	TXI	**1,4,-1			LINK40528
01732	3	00000	4	01723	10001	OPEND	TXM	CMP,4,0,0,0	TEST FOR END OF STRING	LINK40529
01733	0000000000				00010	FIX	CALL	.FWRD.1-UN06.,BCD11*2175*		LINK40530
01733	0074	00	4	10400	10011					LINK40531
01734	1	00002	0	00404	10011					
01735	0	27051	0	04177	10000					
01736	0	00000	0	14003	10011					
01737	0	00000	0	03206	10001					
01740	0500	00	0	03240	10001	CLA	OPSNUP			
01741	0400	00	0	03324	10001	ADD	ONE			
01742	0601	00	0	03240	10001	STD	OPSNUP			
01743	0074	00	4	14400	10011	TSX	.FCNV.,4			
BINARY CARD ID. NETSIM59										
01744	0500	00	0	27047	10000	CLA	INUM			LINK40532
01745	0074	00	4	14400	10011	TSX	.FCNV.,4			LINK40533
01746	0000000000				00010	CALL	.FFIL.*2175*			LINK40534
01746	0074	00	4	05400	10011					
01747	1	00000	0	00407	10011					
01750	0	27051	0	04177	10000					
01751	0500	00	0	03332	10001	CLA	FPL			LINK40535
01752	0760	00	0	00147	10000	SLN	2			LINK40536
01753	0020	00	0	01773	10001	FRA	F1			LINK40537
01754	0000000000				00010	FORGET	CALL	.FWRD.1-UN06.,BCD11*2184*		LINK40538
01754	0074	00	4	10400	10011					
01755	1	00002	0	00404	10011					
01756	0	27051	0	04210	10000					
01757	0	00000	0	14000	10011					
01760	0	00000	0	03220	10001					
01761	0500	00	0	03240	10001	CLA	OPSNUP			
01762	0400	00	0	03324	10001	STD	ONE			
01763	0601	00	0	03240	10001	STD	OPSNUP			
01764	0074	00	4	14400	10011	TSX	.FCNV.,4			
BINARY CARD ID. NETSIM60										
01765	0500	00	0	27047	10000	CLA	INUM			LINK40539
01766	0074	00	4	14400	10011	TSX	.FCNV.,4			LINK40540
01767	0000000000				00010	CALL	.FFIL.*2184*			LINK40541
01767	0074	00	4	05400	10011					
01770	1	00000	0	00402	10011					

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 26

01771	0	27051	0	04210	10000					
01772	0500	00	0	03333	10001					
01773	0621	00	0	02020	10001	F1	CLA	FPIV		LINK40542
01774	0500	00	0	03200	10001		STA	FG2		LINK40543
01775	0771	00	0	00004	10000		CLA	RFYS	TEST FOR G-WT CHANGE	
01776	4320	00	0	03324	10001		ARS	4		LINK40544
01777	4100	00	0	00216	10001		ANA	ONE		LINK40545
02000	0774	00	1	00000	10000		TNZ	SCHFD		LINK40546
02001	0441	00	0	03554	10001		ART	0,1	GET FIRST LEVEL	LINK40547
02002	0057	00	0	000300	10000		LDI	INDICT		
02003	0604	00	0	03554	10001		RIR	300		
02004	0500	00	0	03333	10001		STI	INDICT	GSUM-TOV SIGNAL	
02005	0601	00	0	03331	10001		CLA	INEXT	INITIALIZE NETWORK ADDRESS	LINK40550
02006	0500	00	0	03610	10001		STD	NTAG2		LINK40551
							CLA	+1		

BINARY CARD ID.	NETSIM61						
02007	0601 00 0 02475	10001	STO	STRING	INITIALIZE STRING COUNTER		
02010	0500 00 0 03543	10001	CLA	MULEVS	INITIALIZE LEVEL COUNTER		
02011	0402 00 0 03610	10001	SUB	=1			
02012	0734 00 4 00000	10000	PAX	0,4			
02013	0100 00 0 02476	10001	TZE	ONELEY			
02014	0634 00 4 02501	10001	SKA	LVCNTR,4	SAVE LEVEL COUNTER		
02015	0500 00 1 30066	10000	DG0	CLD	OVAL,1	GET LOCATION OF OUTPUT	LNK40552
02016	0621 00 0 02017	10001	STA	DG1		FOR THIS LEVEL	LNK40553
02017	4774 00 2 00000	10000	DG1	AXC	**0,2	GET OUTPUT INDEX	LNK40554
02020	0560 00 1 00000	10000	DG2	LDQ	**0,1	GET ALUE (FOR-)	LNK40555
				QMPYC	NTAG2,0		LNK40556
02025	0601 00 0 03356	10001	STO	FACT			LNK40557
02026	0774 00 4 00004	10000	AXT	4,4			LNK40558
02027	0634 00 4 03347	10001	SXA	GSET,4	SET UP LOOPS FOR 4 G-SETS		LNK40559
02030	4774 00 2 00013	10000	AXC	11,2			LNK40560
02031	0500 60 0 03331	10001	CLA*	NTAG2			LNK40561

BINARY CARD ID.	NETSIM62						
02032	4734 00 4 00000	10000	PDX	0,4			LNK40562
02033	0634 00 4 02204	10001	SXA	NOPRI,4	SAVE NO. OF PRIMARY LINES(Y)		LNK40563
02034	0734 00 4 00000	10000	PAX	0,4			LNK40565
02035	0634 00 4 02067	10001	SXA	DG3,5,4	SAVE NO. OF STATE LINES(X)		LNK40566
02036	0634 00 4 03360	10001	SXA	N,4	SAVE X FOR DIVISION		LNK40568
02037	0634 00 1 03341	10001	SXA	LEVNO,1	SAVE LEVEL NUMBER		LNK40569

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 27

BINARY CARD ID.	NETSIM63						
02040	0500 00 1 30066	10000	CLA	OVAL,1	* CALCULATION OF MEAN OF INPUT		LNK40571
02041	0737 00 1 00000	10000	PAC	0,1			LNK40572
02042	4774 00 2 00014	10000	AXC	12,2	INDEX FOR DIRECT EFF. ADDR.		LNK40573
02043	0634 00 2 02070	10001	SXA	DG3,6,2	GFT INDEX OF 1ST INPUT LINE		LNK40574
02044	3 00000 4 02050	10001	TXM	DG3-1,4,0	SAVE FOR FURTHER USE		LNK40575
02045	0774 00 4 00002	10000	AXT	2,4	TEST FOR ZERO STATE LINES		LNK40576
02046	0634 00 4 03347	10001	SXA	GSET,4	YES- SET UP LOOP FOR		LNK40577
02047	0020 00 0 02170	10001	TRA	DC	2 PRIMARY GSETS		LNK40578
02050	0600 00 0 03335	10001	STZ	TSUM	INITIALIZE SUM		LNK40579
02051	0500 60 2 30303	10000	DG3	CLA*	NEXT,2	ADD INPUTS	LNK40580
02052	0140 00 0 00401	10011	TOV	**1			LNK40581
02053	0771 00 0 00006	10000	ARS	6			LNK40582
02054	4625 00 0 03432	10001	STL	OFLOC			LNK40584

BINARY CARD ID.	NETSIM63						
02055	0400 00 0 03335	10001	ADD	TSUM,0			LNK40585
02056	0140 00 0 02557	10001	TOV	OFLOW			LNK40586
02057	0601 00 0 03335	10001	STO	TSUM			LNK40587
02060	1 77777 2 00401	10011	TXI	**1,2,-1			LNK40588
02061	2 00001 4 02051	10001	TXI	DG3,4,1			LNK40589
02062	0131 00 0 00000	10000	XCA				LNK40590
02063	4754 00 0 00000	10000	PKD	0,0	CLEAR AC FOR DIVISION		LNK40591
02064	0220 00 0 03360	10001	DVH	N	340-835=813		LNK40592
02065	0763 00 0 00006	10000	LLS	6			LNK40593
02066	4600 00 0 03361	10001	STQ	MEAN	MEAN OF INPUTS		LNK40594
02067	0774 00 4 00000	10000	DG3.5	AXT	**0,4	NUMBER OF INPUT LINES	LNK40595
02070	0774 00 2 00000	10000	DG3.6	AXT	**0,2	INDEX OF NEXT INPUT LINE	LNK40596
02071	0600 00 0 03357	10001	STZ	GSUM	INITIALIZE SUM OF G-WEIGHTS		LNK40597
02072	0500 60 2 30303	10000	DG4	CLA*	NEXT,2	GET NEXT INPUT	LNK40598
02073	0402 00 0 03361	10001	SUB	MEAN	(X-MEAN)		LNK40599
02074	0131 00 0 00000	10000	XCA				LNK40600
			QMPYF	DT,0			LNK40602

BINARY CARD ID.	NETSIM64						
02101	0131 00 0 00000	10000	XCA				LNK40603
02102	0140 00 0 00401	10011	TOV	**1			LNK40604
02103	4625 00 0 03432	10001	STL	OFLOC			LNK40605
02104	0200 00 0 03356	10001	MPY	FACT,0			LNK40606
02105	0763 00 0 00001	10000	LLS	1			LNK40607
02106	0140 00 0 02557	10001	TOV	OFLOW			LNK40608
			QADDD	NTAG2,0			LNK40609

BINARY CARD ID.	NETSIM65						
02126	0131 00 0 00000	10000	XCA				LNK40610
02127	4620 60 0 03331	10001	SLO*	NTAG2	STORE NEW G-WEIGHT		LNK40611
02130	0131 00 0 00000	10000	XCA				LNK40612
02131	0760 00 0 00003	10000	SSP				LNK40613
02132	0441 00 0 03554	10001	LDI	INDI,1			
02133	0054 00 0 001000	10000	RFT	1000			
02134	0074 00 7 02354	10001	TSX	SQWGT,7			
			QATWO	GSUM,0	ADD TO SUM OF G-WEIGHTS		LNK40614
02142	0601 00 0 03357	10001	STO	GSUM			LNK40615
02143	1 77777 2 00401	10011	TXI	**1,2,-1			LNK40616

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 28

02144	0500	60	0	03331	10001	CLA*	NTAG2	CHECK FOR NEG. G-SET	LNK40617
02145	0441	00	0	03554	10001	LDI	INDICT		
BINARY CARD ID. NETSIM66									
02146	0054	00	0	002000	10000	RFT	2000		LNK40618
02147	0020	00	0	00402	10011	TRA	**2	ON- DO NOT TEST	LNK40619
02150	4170	00	0	02153	10001	TMJ	DIFF1	OFF-TEST	LNK40620
02151	2 00C01	4	0	02077	10001	TX	DG4,4,1	GET NEXT INPUT LINE	LNK40621
02152	0020	00	0	02162	10001	TRA	DIFF2	END OF STATE (OR PRIMARY) LINE	LNK40622
02153	4625	00	0	02353	10001	DIFF1	STL	END OF POSITIVE G-SET	LNK40623
02154	0070	00	0	02212	10001	TRA	NORM	NORMALIZE G-WEIGHTS	LNK40624
02155	6 00C01	4	0	02166	10001	TX	DG5,4,1	TEST FOR END OF X OR Y LINES	LNK40625
02156	0441	00	0	03554	10001	LDI	INDICT		
02157	0055	00	0	002000	10000	SIR	2000	NU-SET SW FOR NEG G-SET	LNK40626
02160	0664	00	0	03554	10001	STI	INDICT		
02161	0020	00	0	02070	10001	TRA	DG3,6	GET NEXT INPUT LINE	LNK40627
02162	0057	00	0	002000	10000	DIFF2	RIR	END OF NEG G-SET	LNK40628
02163	0604	00	0	03554	10001	STI	INDICT		
02164	4625	00	0	02353	10001	STL	NTRA		LNK40629
02165	0020	00	0	02212	10001	TRA	NORM	NORMALIZE G-WEIGHTS	LNK40630
02166	0534	00	4	03347	10001	* ENDOF X OOR Y LINES	LXA	CSET,4	LNK40631
02167	6 00C01	4	0	02436	10001	DG5	LXA	ELEND,4,1	LNK40632
						* PREARE (FFX)XI FOR PRIMARY INPUT		OF COMPONENT	LNK40633
02170	0534	00	1	03341	10001	DG6	LXA	LEVNO,1	LNK40634
								LEVEL NUMBER	LNK40635
BINARY CARD ID. NETSIM67									
02171	1 77776	1	0	00401	10011	TXI	**1,1,-2	GET INDEX OF F(I)	LNK40636
02172	0522	00	0	02020	10001	XEC	DG2	LD0 F(I)	LNK40637
02173	0522	00	0	02C17	10001	XEC	DG1	GET INDEX OF /	LNK40638
				02174		QMPYC	NTAG2,0	FXO	LNK40639
02200	0601	00	0	03356	10001	STO	FACT		LNK40640
02201	0534	00	1	03341	10001	LXA	LEVNO,1	LEVEL NUMBER	LNK40641
02202	0500	00	1	30054	10000	CLA	(VAL-10,1	INDEX FOR OUTPUT OF	LNK40642
02203	0737	00	1	00000	10000	PAC	0,1	PREVIOUS LEVEL (PRIMARY I/P)	LNK40643
02204	0774	00	4	00000	10000	NOPRI	ART	NUMBER OF PRIMARY LINES	LNK40644
02205	7 00000	4	0	02436	10001	TXL	ELEND,4,0	TEST FOR ZERO PRIMARY LINES	LNK40645
02206	0634	00	4	02067	10001	SXA	DG3,9,4	SAVE Y FOR 2ND LOOP	LNK40646
02207	0634	00	4	03360	10001	SXA	N,4	SAVE Y FOR DIVISION	LNK40647
02210	0522	00	0	02070	10001	XEC	DG3,6	GET INDEX OF NEXT I/P LINE	LNK40648
02211	0020	00	0	02050	10001	TRA	DG3-1	PROCESS DG FOR PRIMARY I/P	LNK40649
						* ENDOF A GG-SET. THIS ROUTINE WILL NORMALIZE			LNK40650
						* THEG-WEIGHTS IN A G-SET.			LNK40651
02212	4634	00	2	02260	10001	NORM	SXD	SAVE INPUT OF NEXT I/P LINE	LNK40652
02213	4634	00	2	02343	10001		SXD		LNK40653
BINARY CARD ID. NETSIM68									
02214	0534	00	2	03347	10001	NM	LX	GSET,2	LNK40654
02215	1 77770	2	0	00401	10011	TXI	**1,2,-0	GET INDEX OF CORREST	LNK40655
02216	0500	60	0	03331	10001	CLA*	NTAG2	CONSTANT FOR SUM OF G S	LNK40656
02217	0402	00	0	03357	10001	SUB	GSUM	GET CONSTANT SUM	LNK40657
02220	4340	00	0	03340	10001	LAS	IB10	COMPARE WITH COMPUTED SUM	LNK40658
02221	0020	00	0	00403	10011	TRA	**3	IF DIFFERENCE IS SMALL,	LNK40659
02222	0020	00	0	02345	10001	TRA	NORM5	GS ARE NORMALIZED	LNK40660
02223	0020	00	0	02345	10001	TRA	NORM5		LNK40661
02224	0601	00	0	03351	10001	STO	DIFF	STORE DIFFERENCE	LNK40662

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 29

02225	0765	00	0	00000	10000	LRS	0	SAVE SIGN OF DIFFERENCE	LNK40663
						* COMPUTE SUM OF UNSATURATED G S			LNK40664
02226	0522	00	0	02070	10001	XEC	DG3,6	GET FIRST INPUT LINE OF G-SET	LNK40665
02227	0600	00	0	03357	10001	STZ	GSUM		LNK40666
02230	0600	00	0	02435	10001	STZ	NUGMTS	RESET G COUNTER OFR DG NORM OPERATION	
02231	0500	60	0	03331	10001	UNSAT	CLA*	CHECK G-WT FOR	LNK40667
02232	4320	00	0	03326	10001	ANA	MASK	SATURATION	LNK40668
02233	0340	00	0	30053	10000	CAS	GSAT		LNK40669
02234	0162	00	0	02257	10001	TQP	INCR	IF DIFF IS +, SATURATED	LNK40670
02235	0162	00	0	02257	10001	TQP	INCR		LNK40671
02236	4100	00	0	00403	10011	TMZ	**3	BELOW SAT. VALUE, UNSAT IF NON-ZERO	LNK40672
BINARY CARD ID. NETSIM69									
02237	0162	00	0	00402	10011	TQP	**2	G-WT ZERO, DIFF +, UNSATURATED	LNK40673
02240	0020	00	0	02257	10001	TRA	INCR	DIFF -, G-WT IS ZERO, SATURATED	LNK40674
02241	0601	00	0	03112	10001	STO	SGMT		
02242	0500	00	0	02435	10001	CLA	NUGMTS	COUNT OF GS IN SUM	
02243	0400	00	0	03610	10001	ADD	+1		
02244	0601	00	0	02435	10001	STO	NUGMTS		
02245	0441	00	0	03554	10001	LDI	INDICT		
02246	0054	00	0	001000	10000	RFT	1000		
02247	0074	00	7	02354	10001	TSX	SGGWT,7		
02250	0500	00	0	03112	10001	CLA	SGMT		
				02251		OATWD	GSUM,0	UNSATURATED--ADD TO SUM	LNK40675
02256	0601	00	0	03357	10001	STO	GSUM		LNK40676
02257	1 77777	2	0	00401	10011	INCR	TXI	**1,2,-1	LNK40677
02260	3 00C00	2	0	02331	10001	NORM1	TXH	UNSAT,2,**0	LNK40678
02261	0500	00	0	03357	10001	CLA	GSUM		LNK40683
BINARY CARD ID. NETSIM70									
02262	0601	00	0	02503	10001	STO	GSUM1		LNK40685
02263	0600	00	0	03357	10001	STZ	GSUM		LNK40686
02264	0522	00	0	02070	10001	XEC	DG3,6	INDEX OF FIRST I/P LINE	LNK40687
02265	0500	60	0	03331	10001	NORM2	CLA*	NTAG2	LNK40688
02266	4320	00	0	03326	10001	ANA	MASK		LNK40689
02267	0560	00	0	03351	10001	LDQ	DIFF	GET SIGN OF DIFFERENCE	LNK40689
02270	0340	00	0	0051	10000	LAS	GSAT	COMPARE WITH SATURATION PT.	LNK40690

02271	0162	00	0	02334	10001	TOP	NORM3	SATURATED	LNK40691
02272	0162	00	0	02334	10001	TOP	NORM3	SATURATED	LNK40692
02273	4100	00	0	00403	10011	TMZ	**3	UNSAT	LNK40693
02274	0162	00	0	00402	10011	TOP	**2	UNSAT	LNK40694
02275	0020	00	0	02334	10001	TRA	NORM3	SAT	LNK40695
02276	0560	00	0	03323	10001	LDO	ZERO	UNSATURZTED--ADJUST	
02277	0441	00	0	03554	10001	LDI	INDICT		
02300	0054	00	0	001000	10000	RFT	1000		
02301	0074	00	7	02365	10001	TSX	DLTSQG,7		
02302	0765	00	0	00006	10000	LRS	6	B(7)	
02303	0221	00	0	02503	10001	DVP	GSUM1	(B6) ALWAYS GREATER THAN GWT-B(10)	
02304	0760	00	0	00012	10000	DCT			

BINARY CARD ID. NETSIN71

02305	0074	00	6	02430	10001	TSX	GNG,6		
02306	0200	00	0	03351	10001	MPY	DIFF	B(6)+B(10) = B(6)	
02307	0763	00	0	09006	10000	LLS	6	B(1) D-GWT	
02310	0401	60	0	03331	10001	ADM*	NTAG2	ADD INCREMENT	LNK40698
02311	4140	00	0	00403	10011	TNO	**3	GWT IS REAL NOT MODULAR	

NETSIN
ASSEMBLED TEXT.

11/19/65

PAGE 30

02312	4120	00	0	02322	10001	TMJ	SETOZE		
02313	0500	00	0	30053	10000	CLA	GSAT		
02314	4120	00	0	02322	10001	TMJ	SETOZE		
02315	4320	00	0	03326	10001	CONT ANA	MASK		
02316	0340	00	0	30053	10000	CAS	GSAT	IS NEW G OVER SATURATED	LNK4 6
02317	0500	00	0	30053	10000	CLA	GSAT	YES-SET TO MAXIMUM	LNK40700
02320	0020	00	0	00403	10011	TRA	**3	EQUAL TO MAX	LNK40702
02321	0120	00	0	00402	10011	TPL	**2	TEST FOR ZERO	LNK40703
02322	4754	00	0	00000	10000	SETOZE PXD	0,0		
02323	0560	60	0	03331	10001	LDO*	NTAG2	RECOVER ORIGINAL SIGN	LNK40705
02324	0763	00	0	00000	10000	LLS	0		LNK40706
02325	0131	00	0	00000	10000	XCA			LNK40707
02326	4620	60	0	03331	10001	SLQ*	NTAG2	STORE NEW G VALUE	LNK40708
02327	0131	00	0	00000	10000	XCA			LNK40709

BINARY CARD ID. NETSIN72

02330	0760	00	0	00003	10000	SSP			LNK40710
02331	0441	00	0	03554	10001	LDI	INDICT		
02332	0054	00	0	001000	10000	RFT	1000		
02333	0074	00	7	02354	10001	TSX	SQWGT,7		
				02334		NORM3 QATWD	GSUM,0	ADD TO NEW SUM	LNK40711
02341	0601	00	0	03357	10001	STO	GSUM		LNK40712
02342	1 77777	2	00401	10011		TXI	**1,2,-1		LNK40713
02343	3 00000	2	02265	10001	NORM4	TXH	NORM2,2,**0	TEST FOR END OF G-SET	LNK40714
02344	0020	00	0	02214	10001	TRA	NM	YES-TEST NORMALIZATION	LNK40715
02345	4534	00	2	02260	10001	NORM5	LXD	NORM1,2	LNK40716
02346	0634	00	2	02070	10001	SXA	DG3-6,2	STORE INDEX OF NEXT I/P LINE	LNK40717
02347	0500	00	0	03347	10001	CLA	GSET	WORK ON NEXT G-SET	LNK40718
02350	0402	00	0	03324	10001	SUB	ONE		LNK40719
02351	0601	00	0	03347	10001	STO	GSET		LNK40720
02352	4774	00	2	00001	10000	AXC	1,2		LNK40721

BINARY CARD ID. NETSIN73

02353	0020	00	2	00000	10000	NTRA	TRA	**0,2	RETRN4	LNK40722
02354	0131	00	0	00000	10000	SQWGT	XCA			
02355	0200	60	0	03331	10001	MPY*	NTAG2	SQUARE GWEIGHT		
02356	0140	00	0	00401	10011	TOV	**1			
02357	0771	00	0	00004	10000	ARS	4	B(2)--B(6)		
02360	4625	00	0	03432	10001	STL	OFLOC			
02361	0760	00	0	00003	10000	SSP				
02362	0400	00	0	03357	10001	ADD	GSUM	B(6)		
02363	0140	00	0	02557	10001	TOV	OFLOW			
02364	0020	00	7	00006	10000	TRA	6,7			
02365	0560	60	0	03331	10001	DLTSQG	LDO*	NTAG2	B(1)	
02366	0200	60	0	03331	10001	MPY*	NTAG2	B(2) GWEIGHT SQUARED		
02367	0601	00	0	03546	10001	STD	AAA	SAVE OLD GWT SQUARED		
02370	0765	00	0	00006	10000	LRS	6			
02371	0221	00	0	02503	10001	DVP	GSUM1	B(8)/B(6) = B(2)		
02372	0760	00	0	00012	10000	DCT				
02373	0074	00	6	02430	10001	TSX	GNG,6			
02374	0200	00	0	03351	10001	MPY	DIFF	B(6)+B(2)		
02375	0763	00	0	00006	10000	LLS	6	B(2)		

BINARY CARD ID. NETSIN74

02376	0140	00	0	00401	10011	TOV	**1			
02377	0400	00	0	03546	10001	ADD	AAA	DELTA GWT SQ + OLD GWT SQ		

NETSIN
ASSEMBLED TEXT.

11/19/65

PAGE 31

02400	4625	00	0	03432	10001	STL	OFLOC			
02401	0140	00	0	02557	10001	TOV	OFLOW			
02402	4120	00	0	02322	10001	TMJ	SFTOZE			
02403	0601	00	0	03546	10001	STO	AAA			
02404	0634	00	4	02426	10001	SXA	SAVFOR,4			
02405	000000000000			00010		CALL	RTOF(AAA,**2,AAA)	CHAGE TO FLOATINT-POINT		
02405	0074	00	4	03400	10011					
02406	1 00003	0	00405	10011						
02407	0 27051	0	02365	10000						
02410	0 00000	0	03546	10001						
02411	0 00000	0	03620	10001						
02412	0 00000	0	03546	10001						
02413	000000000000			00010		CALL	SGRT(AAA)	GET SQUARE ROOT		
02413	0074	00	4	11000	10011					
02414	1 00001	0	00403	10011						
02415	0 27051	0	02366	10000						
02416	0 00000	0	03546	10001						

BINARY CARD ID. NETSIM75

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02417 0601 00 0 03546 10001 STU AAA
02420 000000000000 00010 CALL MPRINT(AAA,=1) CHANGE TO BINARY POINT
02420 0074 00 4 02000 10011
02421 1 00C02 0 00404 10011
02422 0 27051 0 02316 10000
02423 0 00000 0 03546 10001
02424 0 00C00 0 03610 10001
02425 0500 00 0 03546 10001 CLA 444 DELTA GWEIGHT
02426 0774 00 4 00000 10000 SAVFUR AXI **4
02427 0020 00 0 02315 10001 TRA CONTI CONTINUE
02430 4754 00 0 00200 10000 GNG PKD 0,0
02431 0560 00 0 03621 10001 LDQ =020000000000 18(1)
02432 0221 00 0 02435 10001 DVP NUGMTS
02433 0140 00 0 00401 10011 TOV **1
02434 0020 00 6 00001 10000 TRA 1,6
02435 0 00000 0 00000 10000 NUGMTS PZE 0
* DG COMPUTATIONS FOR A COMPONENT ARE
* FINISHED. GET NEXT COMPONENT.
02436 0774 00 2 00000 10000 ELEND AXI 0,2 GET ADDRESS OF NEXT
02437 0500 00 0 03331 10001 CLA* NTAG2 COMPONENT, INITIALIZE
02440 0621 00 0 03331 10001 STA *TAG2 LOCATION USING IT

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LNK40726
LNK40727
LNK40728
LNK40729
LNK40730

BINARY CARD ID. NETSIM76

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02441 0621 00 0 02051 10001 STA DG3
02442 0621 00 0 02072 10001 STA DG4
02443 0534 00 1 03341 10001 LXA LFN0,1
02444 0500 00 0 03331 10001 CLA* NTAG2 TEST FOR END OF LEVEL
02445 0441 00 0 03554 10001 LDI INDICT
02446 0054 00 0 00400 10000 RFT 4000 TEST FOR LAST LEVEL OPERATION
02447 0020 00 0 02504 10001 TRA NWSST YES-GO TO LAST LEVEL CONTROL PROGRAM
02450 0120 00 0 02015 10001 TPL DGO
02451 0534 00 4 02501 10001 LXA LVCNTR,4 LEVEL COUNTER
02452 6 00001 4 02454 10001 TNX LASLEV,4,1 START LAST LEVEL OPERATION
02453 1 77766 1 02014 10001 TXI DGO-1,1,-10 INDEX TO NEXT LEVEL INFORMATION
02454 0055 00 0 00400 10000 LASLFV SIR 4000 NORMALIZE LAST LEVEL
02455 0604 00 0 03554 10001 STI INDICT
02456 1 77766 1 00401 10011 TXI **1,1,-10 INCREMENT LEVEL INFORMATION INDEX

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LNK40731
LNK40732
LNK40733
LNK40734
LNK40735

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 32

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02457 0500 00 0 02475 10001 NEXSTR CLA STRINO NO. OF COMPONENT GROUP
02460 0340 00 0 27050 10000 CAS KEY NO. OF CONTRIBUTING GROUP
02461 0020 00 0 00402 10011 TRA **2 NON-CONTRIBUTING GROUP FMIN
02462 0020 00 0 02465 10001 TRA NEWF CONTRIBUTING GROUP FPLS
02463 0500 00 0 03333 10001 CLA FMIN NON-CONTRIBUTING GROUP

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BINARY CARD ID. NETSIM77

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02464 0020 00 0 00402 10011 TRA **2
02465 0500 00 0 02337 10001 NEWF CLA FPL CONTRIBUTING GROUP
02466 0621 00 0 02020 10001 STA DG2
02467 0500 00 0 03337 10001 CLA M NO. OF COMPONENTS IN GROUP
02470 0601 00 0 03433 10001 STO MSHCTR
02471 0500 00 0 02475 10001 CLA STRINO INCREMENT STRING NO. FOR NEXT TEXT
02472 0400 00 0 03610 10001 ADD *1
02473 0601 00 0 02475 10001 STO STRINO
02474 0020 00 0 02015 10001 TRA DGO START NORMALIZATION OF THIS GROUP
02475 000000000001 10000 STRINO DEC 1
02476 0600 00 0 02501 10001 ONELEV STZ LVCNTR
02477 0774 00 1 00012 10000 AXI 10,1
02500 0020 00 0 02454 10001 TRA LASLEV
02501 200000000001 00001 LVCNTR BSS 1 NO. OF LEVELS -1
02502 0 00000 0 00000 10000 ABICAD PZE 0
02503 200000000001 00001 GSUMI BSS 1
02504 0100 00 0 02512 10001 NWSST TZE EXNWSST END OF LAST LEVEL
02505 0500 00 0 03433 10001 CLA MSHCTR MORE COMPONENTS THIS LEVEL
02506 0402 00 0 03610 10001 SUB *1 INCREMENT INDEX FOR NO. OF COMP. THIS GROUP

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BINARY CARD ID. NETSIM78

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02507 0601 00 0 03433 10001 STO MSHCTR
02510 4100 00 0 02015 10001 TNZ DGO CONTINUE THIS GROUP
02511 0020 00 0 02457 10001 TRA NFXST* START NEW GROUP
02512 0057 00 0 00400 10000 EXNWSST RIR 4000
02513 0604 00 0 03554 10001 STI INDICT
02514 000000000000 00010 GWPRT CALL GPRT(M,PR,GWPC,CNTR,NEXT,OPSNUM)
02514 0074 00 4 03060 10011
02515 1 00005 0 00407 10011
02516 0 27051 0 02462 10000
02517 0 00000 0 00550 10001
02520 0 00000 0 00551 10001
02521 0 00000 0 00546 10001
02522 0 00000 0 30303 10000
02523 0 00C00 0 03247 10001
02524 0441 00 0 03554 10001 LDI INDICT
02525 0020 00 0 00216 10001 TRA SCHED
02526 000000000200 10000 C12R 128
02527 0634 00 2 02552 10001 WRFS SXA SAV2,2
02530 0500 00 0 03240 10001 CLA OPSNUM

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LNK40746
LNK40743
LNK40747
LNK40748

BINARY CARD ID. NETSIM79

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02531 0767 00 0 00022 10000 ALS 18
02532 0622 00 0 00047 10000 STD SKIP
02533 000000000000 00010 CALL WRTNET(SKIP,NETTAP,NFTMAX)
02533 0074 00 4 05000 10011
02534 1 00C03 0 00405 10011
02535 0 27051 0 02417 10000
02536 0 00C00 0 00047 10000

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LNK40748

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 33

02537	0	00000	0	03544	10001				
02540	0	00000	0	03553	10001				
02541	000000000000			00010		CALL	.FPRN.(RBCD)*2423*		LNR40749
02542	1	00C01	0	04000	10011				
02543	1	00C01	0	04003	10011				
02543	0	27051	0	04567	10000				
02544	0	00000	0	03250	10001				
02545	000000000000			00010		CALL	.FFIL.		LNR40750
02545	0074	00	4	05400	10011				
02546	1	00000	0	00402	10011				
02547	0	27051	0	02474	10000				
02550	0760	00	0	00162	10000	SWT	2		
BINARY CARD ID. NETSIM80									
02551	0020	00	0	01401	10011				
02552	0774	00	2	00000	10011	SAVZ	TRA	NETSIM+1	
							AXT	*-0,2	
									LNR40752
02553	0441	00	0	03554	10001				
02554	0020	00	0	00216	10001				
02555	0500	00	0	03324	10001				
02556	0600	00	0	02606	10001	SETSW	TRA	IND CT	
							CLA	SCHEM	LNR40753
							SYO	ONE	
02557	000000000000			00010		DFLOW	CALL	QADTO	
								.FWRD.(.UN06.,DFBCD)*2435*	LNR40754
02560	1	00C02	0	00404	10011				
02561	0	27051	0	04603	10000				
02562	0	00000	0	14000	10011				
02563	0	00000	0	03571	10001				
02564	0500	00	0	03432	10001				
02565	0074	00	4	14400	10011				
02566	000000000000			00010		CLA	DFLOC		LNR40755
						TSX	.FCNV.,4		LNR40756
						CALL	.FFIL.*2435*		LNR40757
02566	0C74	00	4	05400	10011				
02567	1	00C00	0	00402	10011				
02570	0	27051	0	04603	10000				
BINARY CARD ID. NETSIM81									
02571	0500	00	0	02606	10001				
02572	0100	00	0	00407	10011				
02573	0441	00	0	03554	10001				
02574	0054	00	0	003100	10000				
02575	0020	00	0	02603	10001				
02576	0054	00	0	000200	10000				
02577	0020	00	0	00401	10011				
02600	0020	00	0	00401	10011				
02601	0420	00	0	00401	10011				
02602	0020	00	0	40401	10011				
02603	0500	00	0	03334	10001				
02604	0600	00	0	02606	10001	BIADJ	CLA	OSUM	LNR40759
							STZ	QADTO	
02605	0020	00	0	01365	10001				
02606	0	00C00	0	00000	10000				
02607	0634	00	4	03107	10001	QADTO	PZE	0	
02610	0534	00	1	00726	10001	PRINT	SXA	PRTRA,4	
02611	0634	00	2	03105	10001		LXA	LEVI,1	LNR40760
02612	0634	00	1	03106	10001		SXA	PR2,2	LNR40763
02613	000000000000			00010			SXA	PR2+1,1	
							CALL	.FWRD.(.UN03.)	LNR40764

BINARY CARD ID. NETSIM82

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 34

02613	0074	00	4	10000	10011				
02614	1	00C01	0	00403	10011				
02615	0	27051	0	02532	10000				
02616	0	00000	0	15400	10011				
02617	0500	00	0	03543	10001				
02620	0074	00	4	16000	10011				
02621	0500	00	0	03342	10001				
02622	0074	00	4	16000	10011				
02623	0500	00	0	03550	10001				
02624	0074	00	4	16000	10011				
02625	0500	00	0	03551	10001				
02626	0074	00	4	16000	10011				
02627	0500	00	1	30056	10000				
02630	0074	00	4	16000	10011				
02631	0500	00	1	30055	10000				
02632	0074	00	4	16000	10011				
02633	0500	00	1	30063	10000				
02634	0074	00	4	16000	10011				
02635	0500	00	1	30066	10000				
BINARY CARD ID. NETSIM83									
02636	0621	00	0	02645	10001				
02637	0621	00	0	02743	10001				
02640	0535	00	2	00660	10001				
02641	0754	00	2	00000	10000				
02642	0400	00	0	03330	10001				
02643	0621	00	0	02502	10001				
02644	0737	00	2	00000	10000				
02645	0500	00	2	00000	10000	BQPLPN	PAC	0,2	
02646	0074	00	4	16000	10011	BQPI	CLA	**2	
02647	0500	00	2	00000	10000		TSX	.FBLT.,4	
02650	4120	00	0	02652	10001		CLA*	0,2	
02651	0500	00	2	00000	10000		IMI	BFIN	
02652	0020	00	0	02644	10001		CLA	0,2	
02653	0074	00	4	16400	10011		TRA	BQPLPN	
02654	0534	00	1	00726	10001		TSX	.FWR.,4	
02655	0500	00	1	30055	10000		LXA	LEVI,1	
02656	0601	00	0	03546	10001		CLA	MS,1	
02657	000000000000			00010			STO	AAA	LNR40779
02657	0074	00	4	03400	10011		CALL	ATOF(AAA,=5,AAA)	LNR40780

RELATIVE OUTPUT ADDRESS FOR THIS LEVEL

RELATIVE COMPONENT ADDRESS OF 1ST COMPONENT FOR THIS LEVEL
ABSOLUTE ADDR OF 1ST COMP THIS LEVEL

ABSOLUTE ADDRESS OF COMPONENT
OUTPUT OF COMPONENT

1ST WORD OF NEXT COMPONENT
END LOGICAL BINARY RECORD (PDP TAPE)
1ST WORD OF 1ST COMP OF LEVEL IS MINUS
GET OUTPUT OF NEXT COMPONENT

LNR40765
LNR40766
LNR40767
LNR40768
LNR40769
LNR40770
LNR40771
LNR40772
LNR40773
LNR40774
LNR40775
LNR40776
LNR40777
LNR40778

LNR40779
LNR40780
LNR40781

BINARY CARD ID. NETSIM#
 02660 1 00003 0 00405 10011
 02661 0 27051 0 02577 10000
 02662 0 00000 0 03546 10001
 02663 0 00000 0 03611 10001
 02664 0 00000 0 03546 10001
 02665 0500 00 1 30063 10000
 02666 0601 00 0 03547 10001
 02667 000000000000 00010
 02667 0074 00 4 03400 10011
 02670 1 00003 0 00405 10011
 02671 0 27051 0 02576 10000
 02672 0 00000 0 03547 10001
 02673 0 00000 0 03616 10001
 02674 0 00000 0 03547 10001

CLA RIAS.1
 STD PBB
 CALL RTDF(888,=9,888)

LNK40782
 LNK40783
 LNK40784

NETSIM
 ASSEMBLED TEXT.

11/19/65

PAGE 35

02675 000000000000 00010
 02675 0074 00 4 10400 10011
 02676 1 00002 0 00404 10011
 02677 0 27051 0 02577 10000
 02700 0 00000 0 14000 10011

CALL .FWRD.(UN06.,BIASNO)

BINARY CARD ID. NETSIM#

02701 0 00000 0 03201 10001
 02702 0500 00 0 00541 10001
 02703 0074 00 4 14400 10011
 02704 000000000000 00010
 02704 0074 00 4 05400 10011
 02705 1 00000 0 00402 10011
 02706 0 27051 0 02607 10000
 02707 0600 00 0 00541 10001
 02710 000000000000 00010
 02710 0074 00 4 10400 10011
 02711 1 00002 0 00404 10011
 02712 0 27051 0 04624 10000
 02713 0 00000 0 14000 10011
 02714 0 00000 0 03264 10001
 02715 0500 00 0 03342 10001
 02716 0074 00 4 14400 10011
 02717 0500 00 0 03546 10001
 02720 0074 00 4 14400 10011
 02721 0500 00 0 03547 10001

CLA BIASCH
 TSX .FCNV.,4
 CALL .FFIL.

STZ BIASCH RESET BIAS CHANGE COUNTER ORR LEVEL
 CALL .FWRD.(UN06.,PRCD1)*2452'

LNK40785

CLA LEVCT
 TSX .FCNV.,4
 CLA AAA
 TSX .FCNV.,4
 CLA BBB

LNK40786
 LNK40787
 LNK40788
 LNK40789
 LNK40790

BINARY CARD ID. NETSIM#

02722 0074 00 4 14400 10011
 02723 000000000000 00010
 02723 0074 00 4 05400 10011
 02724 1 00000 0 00407 10011
 02725 0 27051 0 04624 10000
 02726 000000000000 00010
 02726 0074 00 4 10400 10011
 02727 1 00002 0 00404 10011
 02730 0 27051 0 02614 10000
 02731 0 00000 0 14000 10011
 02732 0 00000 0 03233 10001
 02735 000000000000 00010
 02733 0074 00 4 05400 10011
 02734 1 00000 0 00402 10011
 02735 0 27051 0 02615 10000
 02736 0500 00 0 02502 10001
 02737 0774 00 4 00005 10000
 02740 0737 00 2 00000 10000
 02741 0500 00 2 00001 10000

TSX .FCNV.,4
 CALL .FFIL.*2452'

CALL .FWRD.(UN06.,MOLIN)

CALL .FFIL.

OPLP CLA ABICAD
 OQPLPN ART 5,4
 PAC 0,2
 CLA 1,2

LNK40791
 LNK40792

LNK40800
 LNK40802

BINARY CARD ID. NETSIM#

02742 0601 00 4 03441 10001
 02743 0500 00 2 00000 10000
 02744 0601 00 4 03446 10001
 02745 0500 00 2 00000 10000
 02746 4120 00 0 02752 10001
 02747 0500 00 2 00000 10000
 02750 2 00001 4 02740 10001

DOP1 STO NAMS+5,4
 CLA **2 OUTPUT OF COMPONENT
 STO OPT5+5,4
 CLA* 0,2
 TR1 QREF
 CLA 0,2
 TIX DOPLPN,4,1

LNK40803
 LNK40804
 LNK40805
 LNK40809
 LNK40810
 LNK40811

NETSIM
 ASSEMBLED TEXT.

11/19/65

PAGE 36

02751 0020 00 0 02756 10001
 02752 6 00001 4 02756 10001
 02753 0600 00 4 03441 10001
 02754 0600 00 4 03446 10001
 02755 0020 00 0 02752 10001
 02756 000000000000 00010
 02756 0074 00 4 03400 10011
 02757 1 00003 0 00405 10011
 02760 0 27051 0 04670 10000
 02761 0 00000 0 03441 10001
 02762 0 00000 0 03610 10001
 02763 0 00000 0 03441 10001

QBEP TRA QPRNT
 TRX QPRNT,4,1
 STZ NAMS+5,4
 STZ OPT5+5,4
 TR1 QBEP
 OPRNT CALL RTDF(OPTS,=1,OPT5)*2488'

LNK40813
 LNK40814
 LNK40816
 LNK40817
 LNK40818
 LNK40819

BINARY CARD ID. NETSIM88						
02764	000000000000	00010	00010	CALL	BTDF(OPT5+1,=1,OPT5+1)*2488'	LNK40820
02764	0074 00 4 03400	10011	10011			
02765	1 00003 0 00405	10011	10011			
02766	0 27051 0 04670	10000	10000			
02767	0 00000 0 03442	10001	10001			
02770	0 00000 0 03610	10001	10001			
02771	0 00000 0 03442	10001	10001			
02772	000000000000	00010	00010	CALL	BTDF(OPT5+2,=1,OPT5+2)*2488'	LNK40821
02772	0074 00 4 03400	10011	10011			
02773	1 00003 0 00405	10011	10011			
02774	0 27051 0 04670	10000	10000			
02775	0 00000 0 03443	10001	10001			
02776	0 00000 0 03610	10001	10001			
02777	0 00000 0 03443	10001	10001			
03000	000000000000	00010	00010	CALL	BTDF(OPT5+3,=1,OPT5+3)*2488'	LNK40822
03000	0074 00 4 03400	10011	10011			
03001	1 00003 0 00405	10011	10011			
03002	0 27051 0 04670	10000	10000			
03003	0 00000 0 03444	10001	10001			

BINARY CARD ID. NETSIM89						
03004	0 00000 0 03610	10001	10001			
03005	0 00000 0 03444	10001	10001			
03006	000000000000	00010	00010	CALL	BTDF(OPT5+4,=1,OPT5+4)*2488'	LNK40623
03006	0074 00 4 03400	10011	10011			
03007	1 00003 0 00405	10011	10011			
03010	0 27051 0 04670	10000	10000			
03011	0 00000 0 03445	10001	10001			
03012	0 00000 0 03610	10001	10001			
03013	0 00000 0 03445	10001	10001			
03014	000000000000	00010	00010	CALL	.FWRC.(UNDA.,NMFMT)*2488'	LNK40824
03014	0074 00 4 10400	10011	10011			
03015	1 00002 0 00404	10011	10011			
03016	0 27051 0 04670	10000	10000			
03017	0 00000 0 14000	10011	10011			
03020	0 00000 0 03275	10001	10001			
03021	0500 00 0 03434	10001	10001	CLA	NAMS	LNK40825
03022	4734 00 4 00000	10000	10000	PDX	0,4	LNK40826
03023	0634 00 4 03607	10001	10001	SXA	LLEV,4	LNK40827
03024	4320 00 0 03562	10001	10001	ANA	077	LNK40828

BINARY CARD ID. NETSIM90

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 37

03025	0074 00 4 14400	10011	10011	TSX	.FCNV,4	LNK40829
03026	0500 00 0 03607	10001	10001	CLA	LLEV	LNK40830
03027	0074 00 4 14400	10011	10011	TSX	.FCNV,4	LNK40831
03030	0500 00 0 03441	10001	10001	CLA	OPT5	LNK40832
03031	0074 00 4 14400	10011	10011	TSX	.FCNV,4	LNK40833
03032	0500 00 0 03435	10001	10001	.LA	NAMS+1	LNK40834
03033	4734 00 4 00000	10000	10000	PDX	0,4	LNK40835
03034	0634 00 4 03607	10001	10001	SXA	LLEV,4	LNK40836
03035	4320 00 0 03562	10001	10001	ANA	077	LNK40837
03036	0074 00 4 14400	10011	10011	TSX	.FCNV,4	LNK40838
03037	0500 00 0 03607	10001	10001	CLA	LLEV	LNK40839
03040	0074 00 4 14400	10011	10011	TSX	.FCNV,4	LNK40840
03041	0500 00 0 03442	10001	10001	CLA	OPT5+1	LNK40841
03042	0074 00 4 14400	10011	10011	TSX	.FCNV,4	LNK40842
03043	0500 00 0 03436	10001	10001	CLA	NAMS+2	LNK40843
03044	4734 00 4 00000	10000	10000	PDX	0,4	LNK40844
03045	0634 00 4 03607	10001	10001	SXA	LLEV,4	LNK40845
03046	4320 00 0 03562	10001	10001	ANA	077	LNK40846
03047	0074 00 4 14400	10011	10011	TSX	.FCNV,4	LNK40847

BINARY CARD ID. NETSIM91						
03050	0500 00 0 03607	10001	10001	CLA	LLEV	LNK40848
03051	0074 00 4 14400	10011	10011	TSX	.FCNV,4	LNK40849
03052	0500 00 0 03443	10001	10001	CLA	OPT5+2	LNK40850
03053	0074 00 4 14400	10011	10011	TSX	.FCNV,4	LNK40851
03054	0500 00 0 03437	10001	10001	CLA	NAMS+3	LNK40852
03055	4734 00 4 00000	10000	10000	PDX	0,4	LNK40853
03056	0634 00 4 03607	10001	10001	SXA	LLEV,4	LNK40854
03057	4320 00 0 03562	10001	10001	ANA	077	LNK40855
03060	0074 00 4 14400	10011	10011	TSX	.FCNV,4	LNK40856
03061	0500 00 0 03607	10001	10001	CLA	LLEV	LNK40857
03062	0074 00 4 14400	10011	10011	TSX	.FCNV,4	LNK40858
03063	0500 00 0 03444	10001	10001	CLA	OPT5+3	LNK40859
03064	0074 00 4 14400	10011	10011	TSX	.FCNV,4	LNK40860
03065	0500 00 0 03440	10001	10001	CLA	NAMS+4	LNK40861
03066	4734 00 4 00000	10000	10000	PDX	0,4	LNK40862
03067	0634 00 4 03607	10001	10001	SXA	LLEV,4	LNK40863
03070	4320 00 0 03562	10001	10001	ANA	077	LNK40864
03071	0074 00 4 14400	10011	10011	TSX	.FCNV,4	LNK40865
03072	0500 00 0 03607	10001	10001	CLA	LLEV	LNK40866

BINARY CARD ID. NETSIM92						
03073	0074 00 4 14400	10011	10011	TSX	.FCNV,4	LNK40867
03074	0500 00 0 03445	10001	10001	CLA	OPT5+4	LNK40868
03075	0074 00 4 14400	10011	10011	TSX	.FCNV,4	LNK40869
03076	000000000000	00010	00010	CALL	.FFIL.'2488'	LNK40870
03076	0074 00 4 05400	10011	10011			
03077	1 00000 0 00402	10011	10011			
03100	0 27051 0 04670	10000	10000			
03101	0500 60 2 00000	10000	10000	CLA*	0,2	LNK40871
03102	4120 00 0 03105	10001	10001	THI	PR2	LNK40872
03103	0500 00 2 00000	10000	10000	CLA	0,2	LNK40873
03104	0020 00 0 02737	10001	10001	TRA	QPLP	LNK40874
03105	0774 00 2 00000	10000	10000	PR2	AXT	LNK40877
03106	0774 00 1 00000	10000	10000	AXT	**0,1	LNK40878
03107	0774 00 4 00000	10000	10000	PRTRA	AXT	LNK40878

FNC OF LEVEL PRINTOUT

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 30

03110	0020 00 4 00001	10000	TRA	1,4		
03111	0 00000 0 00000	10000	RIGEST	PZE	0	LNK40879
03112	0 00000 0 00000	10000	SGMT	PZE	0	
03113	740130013460	10000	PSKP	BCI	1,(1M1)	
03114	746003043060	10000	BCDF	BCI	9,(34H ENTER NEW MS INTO KEYS FOR LEVEL ,13,///)	LNK40936
BINARY CARD ID. NETSIM93						
03115	254563255160	10000				
03116	45256604462	10000				
03117	603145634660	10000				
03120	422570626026	10000				
03121	465160432565	10000				
03122	254360733103	10000				
03123	736161613460	10000				
03124	746060073060	10000	BCDA	BCI	9,(7H LEVEL ,13,25H NONCONVERGENT. NEW MS = ,F14.0)	LNK40937
03125	432565254360	10000				
03126	733103730205	10000				
03127	306045464523	10000				
03130	464565255127	10000				
03131	254563336045	10000				
03132	256660446260	10000				
03133	136073260104	10000				
03134	331034606060	10000				
03135	746003063060	10000	BCDE1	BCI	9,(36H ENTER NEW BIAS INTO KEYS FOR LEVEL ,13)	LNK40938
03136	254563255160	10000				
03137	452566602231	10000				
BINARY CARD ID. NETSIM94						
03140	216260314563	10000				
03141	466042257062	10000				
03142	602646516043	10000				
03143	256525436073	10000				
03144	310334606060	10000				
03145	746060073060	10000	BCDB	BCI	9,(7H LEVEL ,13,33H OUTPUT OUT OF RANGE, NEW BIAS = .	LNK40939
03146	432565254360	10000				
03147	733103730303	10000				
03150	306046646347	10000				
03151	646360466463	10000				
03152	604626505121	10000				
03153	452725736045	10000				
03154	256660223121	10000				
03155	626013607360	10000				
03156	260104331061	10000	BCI		5,F14.8/5X,12H** CONTROL=,012 1	
03157	056773010230	10000				
03160	545460502346	10000				
03161	456351464313	10000				
03162	734601026034	10000				
BINARY CARD ID. NETSIM95						
03163	740303306047	10000	BBIAS	BCI	7,(33H PCENT IN AJUST GREATER THAN ONE.)	
03164	232545636031	10000				
03165	456021416462	10000				
03166	636027512521	10000				
03167	637551606330	10000				
03170	214560464525	10000				
03171	333460606060	10000				

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 30

03172	746060113060	10000	MISHL	BCI	6,(9H SUM NO. ,13,4H IS ,F10.5)	LNK40941
03173	626444604546	10000				
03174	336073310373	10000				
03175	043060316260	10000				
03176	732601003305	10000				
03177	346060606060	10000				
03200	0 00000 0 00000	10000	KEYS	PZE	0	
03201	741067733104	10000	RTASND	BCI	5,(18X,14,13H BIAS CHANGES //)	
03202	730103306022	10000				
03203	312162602330	10000				
03204	214527256260	10000				
03205	616134606060	10000				
BINARY CARD ID. NETSIM96						
03206	740430005454	10000	BCDC1	BCI	8,(4H0***,14,4X,6HINPUT ,A6,3X,24H IDENTIFICATION	
03207	547331047304	10000				
03210	677306303145	10000				
03211	476463607321	10000				
03212	067303677302	10000				
03213	041060314524	10000				
03214	254563312631	10000				
03215	232163314645	10000				
03216	602346515125	10000	BCI		2, CORRECT.)	
03217	236333603460	10000				
03220	740430005454	10000	BCDD1	BCI	8,(4H0***,14,4X,6HINPUT ,A6,3X,27H IDENTIFICATION	
03221	547331047304	10000				
03222	677306303145	10000				
03223	476463607321	10000				
03224	067303677302	10000				
03225	073060312425	10000				
03226	456331263123	10000				
03227	216331464560	10000				
03230	603145234651	10000	BCI		3, INCORRECT.)	

BINARY CARD ID. NETSIM97

03231	512523633340	10000					
03232	346060606060	10000					
03233	740767730574	10000	HDLIN	BCI	5,(7X,5(16H COMP. OUTPUT,6X))		
03234	010630602346	10000					
03235	444733606060	10000					
03236	604664634764	10000					
03237	637306673434	10000					
03240	0 00000 0 00000	10000	PNPNUM	PZE	0		
03241	740306300045	10000	GMES	BCI	7,(36MONO UNSATURATED G-WTS. DG TOO LARGE.)		LNK40944
03242	466064456221	10000					
03243	636451216325	10000					
03244	246027406663	10000					
03245	62330242760	10000					
03246	636646604321	10000					
03247	512725336034	10000					
03250	740405306051	10000	RBCD	BCI	9,(45H RESTART WRITTEN, LIFT SS2 AND PRESS START TO,		LNK40945
03251	256263215163	10000					
03252	606651316363	10000					
03253	256573604331	10000					

BINARY CARD ID. NETSIM98

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 40

03254	246340626202	10000					
03255	402145246047	10000					
03256	512562626062	10000					
03257	632151636063	10000					
03260	467360606060	10000					
03261	010030602346	10000		BCI	9,(10H CONTINUE.)		LNK40946
03262	456331456425	10000					
03263	336034606060	10000					
03264	741067730630	10000	PBCD1	BCI	9,(8X,6H LEVEL,14,3X,6H MS = ,F14.8,3X,8H BIAS = ,F14.8/)		
03265	604325652543	10000					
03266	733104730367	10000					
03267	730630604462	10000					
03270	601360732601	10000					
03271	043310730367	10000					
03272	731030602231	10000					
03273	216260136073	10000					
03274	260104331061	10000					
03275	740567730574	10000	NMFMT	BCI	5,(5X,5(3X,13,1H.,12,4X,F10.7))		
03276	036773310373	10000					

BINARY CARD ID. NETSIM99

03277	013033733102	10000					
03300	730467732601	10000					
03301	003307343460	10000					
03302	740101306023	10000	PBCD4	BCI	9,(11H COMPONENT ,13,1H.,12,11H G-WEIGHTC)		LNK40950
03303	464447664525	10000					
03304	456360606073	10000					
03305	310373013033	10000					
03306	733102730101	10000					
03307	306060274066	10000					
03310	253127306362	10000					
03311	606060606060	10000					
03312	346060606060	10000					
03313	200000000005	00001	WORD1	BSS	5		LNK40951
03320	0 00170 0 00000	10000	L120	PZE	0,0,120		LNK40952
03321	0 07640 0 00000	10000	L4H	PZE	0,0,4000		LNK40953
					* CONTACTS	FOR CALCULATION AND ADDRESSING	LNK40954
03322	031463146314	10000	TENTH	DEC	.180		LNK40955
03323	0 00000 0 00000	10000	ZERO	PZE			LNK40956
03324	0 00000 0 00001	10000	ONE	PZE	1		LNK40957
03325	0 00000 0 00002	10000	TWO	PZE	2		LNK40958

BINARY CARD ID. NETSIM00

03326	777777000000	10000	MASK	DCI	-377777000000	TO UNPACK G-WEIGHT	LNK40959
03327	0 30303 0 30303	10000	ZNEXT	PZE	NEXT,0,NEXT		LNK40960
03330	0 00000 2 30303	10000	INEXT	PZE	NEXT,2	INITIALIZATION FOR NTAG2	LNK40961
03331	0 00000 2 30303	10000	NTAG2	PZE	NEXT,2		LNK40962
03332	0 00000 0 30057	10000	FPL	PZE	FPLS	USED FOR CORRECT OUTPUT	LNK40963
03333	0 00000 0 30060	10000	FMIN	PZE	FMINs	INCORRECT OUTPUT	LNK40964
					* LOCTIONS	FOR VARIABLE STORAGE	LNK40965
03334	0 00000 0 00000	10000	OSUM			SUM OF OUTPUTS FOR A LEVEL	LNK40966
03335	0 00000 0 00000	10000	TSUM			TEMPORARY SUM	LNK40967
03336	0 00000 0 00000	10000	TRIAL				LNK40968
03337	0 00000 0 00000	10000	M			REDUCTION IN SIZE OF OUTPUT STRING	LNK40969
03340	000002000000	10000	IB18	DEC	1816		LNK40970
03341	0 00000 0 00000	10000	LEVND			INDEX ON LEVEL FOR DG CALCULATION	LNK40971

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 41

03342	0 00000 0 00000	10000	LEVCT				LNK40972
03343	0 00000 0 00000	10000	COMCT				LNK40973
03344	031463146314	10000	SCALF	DEC	.180	NUMBER OF COMPONENTS PER LEVEL	LNK40974
03345	0 00000 0 00000	10000	OIR			INDEX ON OUTPUT WORD	LNK40975
03346	000400000000	10000	RSCAL	DEC	1.89		LNK40976
03347	0 00000 0 00000	10000	GSET			INDEX ON 4 G-SETS	LNK40977
03350	0 00000 0 00000	10000	STRIR			INDEX FOR OUTPUT STRING	LNK40978

BINARY CARD ID.	NETSIM01				USED IN DG NORMALIZATION		
03351	0 0000 0 0000	10000	DIFF			LNK40979	
03352	0 0000 0 0000	10000	QUOT			LNK40980	
03353	0 0000 0 0000	10000	TEMP			LNK40981	
03354	0 0000 0 0000	10000	CMSUM		SUM FOR OUTPUT COMPARISON	LNK40982	
03355	0 0000 0 0000	10000	GLDMS			LNK40983	
03356	0 0000 0 0000	10000	FACT		STORAGE FOR (FX0)	LNK40984	
03357	0 0000 0 0000	10000	GSUM		SUM OF G-WEIGHTS	LNK40985	
03360	0 0000 0 0000	10000	N		NUMBER OF INPUTS	LNK40986	
03361	0 0000 0 0000	10000	MEAN		MEAN OF INPUTS	LNK40987	
03362	200000000050	00001	STRING	BSS	40	STORAGE FOR OUTPUT STRING	LNK40988
03432	0 0000 0 0000	10000	OFLOC	PZE			LNK40989
05433	200000000001	00001	MSHCTR	BSS	1		LNK40990
07434	200000000005	00001	NAMS	BSS	5		LNK40991
03441	200000000005	00001	OPTS	BSS	5		LNK40992
03446	200000000001	00001	XNUMM	BSS	1		LNK40993
03447	200000000074	00001	FFSPC	BSS	60		LNK40994
03543	200000000001	00001	MULEVS	BSS	1		LNK40995
03544	0 0000 0 0001	10000	NETTAP	PZE	9		LNK40996
03545	0 0000 0 0001	10000	AAAA	PZE	1		LNK40997

BINARY CARD ID.	NETSIM02					
03546	0 0000 0 0001	10000	AAA	PZE	1	LNK40998
03547	0 0000 0 0001	10000	BBB	PZE	1	LNK40999
03550	0 0000 0 0001	10000	XXX	PZE	1	LNK41000
03551	0 0000 0 0001	10000	YYY	PZE	1	LNK41001
03552	200000000001	00001	FFSWT	BSS	1	LNK41002
03553	000000057760	10000	NETMAX	DEC	22000	LNK41003
03554	200000000001	00001	INDICT	BSS	1	LNK41004
03555	200000000001	00001	MAX	BSS	1	LNK41007
03556	200000000001	00001	NOCDS	BSS	1	LNK41008
03557	200000000001	00001	XITAY	BSS	1	LNK41010
03560	200000000001	00001	XCENT	BSS	1	LNK41011
03561	606060606060	10000	BLANK	R	1	LNK41012
03562	000000777777	10000	O77	OCT	000000777777	LNK41013
03563	000000000001	10000	O1	DEC	1	LNK41014
03564	000000000005	10000	O5	DEC	5	LNK41015
03565	000000000005	10000	F1V5	DEC	5	
03566	740574010067	10000	CGFMT	BCI	3,(5(10X,F14.8))	LNK41016
03567	732601043310	10000				
03570	343460606060	10000				

BINARY CARD ID.	NETSIM03					
03571	740307306021	10000	OFBCD	BCI	8,(37H ARITHMETIC OVERFLOW OCCURRED AT LOC ,05)	LNK41017
03572	513163304425	10000				
03573	633123236046	10000				
03574	652551264346	10000				
03575	666046232364	10000				

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 42

03576	512524602163	10000				
03577	604346236073	10000				
03600	460534606060	10000				
03601	000000000000	00010	CALL	DUMMY1		LNK41018
03601	0074 00 4 06000	10011				
03602	1 00000 0 00402	10011				
03603	0 27051 0 03063	10000				
03604	000000000000	00010	CALL	DUMMY2		LNK41019
03604	0074 00 4 06400	10011				
03605	1 00000 0 00402	10011				
03606	0 27051 0 03064	10000				
03607	0 00000 0 00001	10000	LLEV	PZE	1	LNK41020
03610	000000000001	10000		LONG		
03611	000000000005	10000				

BINARY CARD ID.	NETSIM04					
03612	377777777777	10000				
03613	010000000000	10000				
03614	377400000000	10000				
03615	377700000000	10000				
03616	000000000011	10000				
03617	000000000006	10000				
03620	000000000002	10000				
03621	200000000000	10000				

BINARY CARD ID.	NETSIM05					
27046	00000027046	00001	STORAGE FOR NETWORK INFORMATION	CRG	11814	LNK41021
27046	200000000001	00001		NOCNT	BSS	1
27047	0 00000 0 00000	10000		INUM		LNK41023
27050	200000000001	00001		KEY	BSS	1
	27051			DATA	EQU	11817
	30047			SKIP	EQU	12327
	30050			DT	EQU	SKIP+1
	30051			FPSLN	EQU	SKIP+2
	30052			MSTEP	EQU	SKIP+3
	30053			GSAT	EQU	SKIP+4
						INPUT IDENTIFICATION
	30054			LEVEL	EQU	SKIP+5
	30055			MS	EQU	LEVEL+1
	30056			MJ	EQU	LEVEL+2
	30057			FPLS	EQU	LEVEL+3
	30060			FMINS	EQU	LEVEL+4
	30061			FPLI	EQU	LEVEL+5
	30062			FMINI	EQU	LEVEL+6
	30063			RIAS	EQU	LEVEL+7
	30064			ESUM	EQU	LEVEL+8
	30065			OFLIP	EQU	LEVEL+9
	30066			OVAL	EQU	LEVEL+10
						STORAGE FOR LEVEL INFORMATION
	30303			NEXT	EQU	LEVEL+151
	30304			SYMR	EQU	NEXT+1
	30305			IVAL	EQU	NEXT+2
	30306			SVAR	EQU	NEXT+3
	30307			CPLS	EQU	NEXT+4
	30310			CMINS	EQU	NEXT+5
	30311			CPLI	EQU	NEXT+6
	30312			CMINI	EQU	NEXT+7
						STORAGE FOR COMPONENT INFORMATION
						TIME INCREMENT FOR DG CALCULATION
						CRITERION FOR CONVERGENCE
						INCREMENT FOR MS
						SATURATION POINT FOR G-WEIGHT
						MULT FOR STATE INPUT
						MULT FOR PRIMARY INPUT
						FIX FOR STATE INPUTS
						FORGET FOR STATE I/P
						FIX FOR PRIMARY I/P
						FORGET FOR PRIMARY I/P
						BIAS TO ADJUST SUM OF OUTPUTS
						EXPECTED SUM OF OUTPUTS
						SYMBOLIC NAME OF THIS CAMP
						VALUE OF COMPUTED I
						VALUE OF COMPUTED S

NETSIM
ASSEMBLED TEXT.

11/19/65

PAGE 43

	30316		XANDY	EQU	NEXT+11			
	30303		LINE1	EQU	NEXT			
27051	000000000000	10000		*LDIR		NO. STATE(ADDR),PRIMARY(DEER)I/P	LNK41053	
27052	452563623144	10000				INPUT ADDR,SIGNED G-WEIGHT	LNK41054	
	00000	01111		END				

NETSIM
CONTROL DICTIONARY

11/19/65

PAGE 44

\$CDICT NETSIM

NETSIM05

BINARY CARD ID. NETSIM06			
003622000000		PREFACE	START=0,LENGTH=1938,TYPE=70%,CMPLX=6
000004000000			
452563623144		NETSIM DECK	LOC=0,LENGTH=1938
003622000000			
452563623144		NETSIM REAL	LOC=0,LENGTH=0
000000000000			
452563623144		NETSIM REAL	LOC=0,LENGTH=0
000000000000			
224746314563		BPOINT VIRTUAL	SECT. 4,CALL
200000100000			
452563233027		NETCHG VIRTUAL	SFCT. 5,CALL
200000100000			
274751636060		GPRT VIRTUAL	SECT. 6,CALL
200000100000			
226346266060		BTOF VIRTUAL	SECT. 7,CALL
200000100000			
332647514533		.FPRN. VIRTUAL	SECT. 8,CALL
200000100000			
512445256360		RDNET VIRTUAL	SECT. 9,CALL
200000100000			
665163452563		WRTNET VIRTUAL	SECT. 10,CALL
200000100000			
BINARY CARD ID. NETSIM07			
332626314333		.FFIL. VIRTUAL	SECT. 11,CALL
200000100000			
246444447001		DUMMY1 VIRTUAL	SECT. 12,CALL
200000100000			
246444447002		DUMMY2 VIRTUAL	SECT. 13,CALL
200000100000			
332622626333		.FBST. VIRTUAL	SECT. 14,CALL
200000100000			
332625266333		.FEFT. VIRTUAL	SFCT. 15,CALL
200000100000			
332666512233		.FWRB. VIRTUAL	SECT. 16,CALL
200000100000			
332666512433		.FWRD. VIRTUAL	SECT. 17,CALL
200000100000			
625051636060		SORT VIRTUAL	SECT. 18,CALL
200000100000			
512521242323		READCC VIRTUAL	SFCT. 19,CALL
200000100000			
634723426060		TPCK VIRTUAL	SECT. 20,CALL
200000100000			
627062434623		SYSLOC VIRTUAL	SECT. 21
200000000000			
BINARY CARD ID. NETSIM08			
334647254560		.OPEN VIRTUAL	SECT. 22
200000000000			
335125212460		.READ VIRTUAL	SECT. 23
200000000000			

NETSIM
CONTROL DICTIONARY

11/19/65

PAGE 45

336445000633		.UN06. VIRTUAL	SECT. 24
200000000000			
332623456533		.FCNV. VIRTUAL	SECT. 25
200000000000			
332343466225		.CLOSE VIRTUAL	SFCT. 26
200000000000			
336445000333		.UM03. VIRTUAL	SECT. 27
200000000000			
332622436333		.FBLT. VIRTUAL	SECT. 28
200000000000			
332666435133		.FNLR. VIRTUAL	SECT. 29
200000000000			

\$DKEND NETSIM

NETSIM09

NO MESSAGES FOR THIS ASSEMBLY

REFERENCES TO DEFINED SYMBOLS.

CLASS	SYMBOL	VALUE	REFERENCES
	1618	C3140	2270
	ZNEAT	03327	1012, 1630
	A1	00547	0,40
	A7	00552	41, 300, 301, 306
	A3	00556	0,45
	A4	00560	0,47
	AAAA	03545	
	AAA	03546	1112, 1116, 1120, 1130, 1536, 1555, 1557, 1567, 1667, 1673, 1675, 1705, 2367, 2377, 2403, 2410, 2412, 2416, 2417, 2423, 2425, 2456, 2662, 2664, 2717
	ABICAD	02502	2643, 2736
	ACEPT	01577	1173, 1174
	ACELT	01636	1636
	ADOUTP	C1152	
	AJ2	01535	1226, 1301, 1317, 1331, 1350, 1364, 1412, 1432, 1450, 1456, 1467, 1475, 1503, 1510
	AJ3	01552	
	AJUST0	C1705	
	AJUST1	01227	1204
	AJUST2	01244	1202
	AJUST4	01302	1251, 1252
	AJUST	01175	1172
	AKT2	00725	664, 772, 1010
	AKT3	00742	674, 745
	AK21	00542	272, 302, 307, 432
	B2	00553	42, 304
	B3	00557	0,46
	B4	00561	0,50
	BACK	C0411	420
	BBB	03547	2666, 2672, 2674, 2721
	BBIAS	03163	1515
	BCDA	C3124	1125
	BCDB	03145	1564
	BCDC1	C3206	1737
	BCDC	C0602	232
	BCDD1	03220	1760
	BCDD	00607	
	BCDE1	03135	
	BCDE	00621	471
	BCDF	03114	
	BCDNTL	01524	1175, 1222, 1276, 1306, 1342, 1352, 1365, 1411, 1571, 1601
	BECON	00664	1057
	BEGIN	00641	245, 251, 265, 317, 334, 351, 371, 401
	BFIN	02653	2650
	BIADJ	C2603	2575
	BIASCH	00541	1542, 1544, 2702, 2707
	BIASNO	03201	2701
	BIAS	30063	653, 1005, 1217, 1220, 1225, 1277, 1316, 1327, 1347, 1355, 1356, 1363, 1406, 1414, 1446, 1454, 1473, 1501, 1535, 2633, 2665
	BIGEST	C3111	
	BITER	01527	1307, 1310, 1315
	BLANK	C3561	
	BUF	00640	

	BQPI	C2645	2636
	BOPLPN	02644	2652
	BSAT	01464	1447
	RI21	00543	274, 276, 305
	C10	00215	165
	C128	02526	
	C253	00540	134
	C2	00554	43, 270
	C4	00562	0, 51
	CGFMT	03566	
	CHGSEN	01523	1332
	CHIOXY	00456	136, 137
	CINIT	00213	
	CHINI	30312	
	CHINS	30310	
	CMP	C1723	1732
	CMSUM	03354	1652, 1726, 1730
	CNTR	00546	2521
	COMCT1	01526	1417, 1423, 1442
	COMCT	03343	662, 666, 670, 1210, 1416, 1441
	CONT	02315	2427
	CPL1	30311	
	CPLS	30307	
	C	C3556	57
	C(2)	00544	257, 261, 271, 434
	D2	00555	44, 266, 311
	DATA	27051	
	DH1	C1530	1216, 1255, 1266, 1273, 1274, 1302, 1326, 1343, 1345, 1353, 1357, 1362, 1403, 1405, 1431, 1445, 1451, 1453, 1457, 1461, 1462, 1470, 1472, 1476, 1500, 1505, 1507
	DG0	C2015	2450, 2453, 2474, 2510
	DG1	02017	2016, 2173
	DG2	02020	1773, 2172, 2466
	DG3.5	02067	2035, 2204
	DG3.6	02070	2043, 2161, 2210, 2226, 2264, 2346
	DG3	02051	2044, 2061, 2211, 2441
	DG4	C2072	2151, 2447
	DG5	02166	2155

DG6	02170	2047
DIFF1B	01533	1205, 1212, 1236, 1246, 1262, 1376
DIFF1	02153	2150
DIFF2B	01534	1176, 1227, 1244, 1245, 1312, 1366
DIFF2	02162	2152
DIFF	03351	2224, 2267, 2306, 2374
DLTSQG	02365	2301
DOSUM	01531	1235, 1261
DOUBSR	00402	262, 277, 330, 375
DOP1	02743	2637
DGPLPN	02740	2750
DT	30050	106, 2076
D12)	00545	254, 256, 267, 436
ELEND	02436	2167, 2205
ELTS	01632	1651
ENDIP	00630	505, 515
EOB2	00212	71, 146, 444
EOB	00211	
EOT	00500	72, 147, 445

NETSIM
SYMBOL REFERENCE DATA

11/19/65

PAGE 48

EP5LN	30051	107, 1052
ESUM	30064	120, 1164, 1167
EKNMST	02512	2504
FI	01773	1753
FACT	03356	2025, 2104, 2200
FCHG	00152	143, 144
FFLL	00155	167
FFL2	00156	160, 161, 163
FFL3	00157	164, 166
FFL4	00170	153
FRSPC	03447	52, 156
FFSWT	03552	53, 152
FILE2	1	67, 71, 146, 423, 444, 501
FIVE	03565	
FIX	01733	
FRINI	30052	117
FRIN	03331	1772, 2463
FRINS	30060	115, 3333
FORGET	01754	1727
FOUR	00214	142, 162
FPLI	30061	116
FPL	03332	1751, 2465
FPLS	30057	114, 3332
GMS	03241	
GNC	02430	2305, 2373
GSAT	30053	111, 2122, 2123, 2233, 2270, 2313, 2316, 2317
GSET	03347	2027, 2046, 2166, 2214, 2347, 2351
GSUM1	02503	2262, 2303, 2371
GSUM	03357	2071, 2140, 2142, 2217, 2227, 2254, 2256, 2261, 2263, 2337, 2341, 2362
GWPC	00551	55, 2520
GWPR	02514	
MDLIN	03233	2732
MHOLD	01141	
MOLD	01160	
11ST	01102	752
12ND	01103	1064
1CHANG	01020	753, 1065
1COMM	00446	457, 461, 462
1NCR	02257	2234, 2235, 2240
INDICT	03554	37, 74, 170, 216, 332, 377, 645, 650, 702, 737, 1062, 1066, 1163, 1537, 1541, 1622, 1625, 1653, 1724, 2001, 2003, 2132, 2145, 2156, 2160, 2163, 2245, 2277, 2331, 2445, 2455, 2513, 2524, 2553, 2573
INEXT	03330	2004, 2642
INPUT	00424	742, 264, 316, 333, 350, 366, 400
INUM	27047	1744, 1765
IPTRA	00451	424, 464
IREAD	00466	72, 147, 445
ISM	00530	33, 123
ISUM	00754	771
ITER01	01433	1415
ITER0	01413	1374
ITER1	01375	
ITER2	01403	1372
ITER4	01310	1200, 1370
ITER	01365	2605
IVAL	30305	1007, 1102, 1103
..0001	00003	12, 13, 14

NETSIM
SYMBOL REFERENCE DATA

11/19/65

PAGE 49

..0002	00005	4, 7
..0003	00007	0
K20	00563	1550
KEY	27050	1716, 2460
KEYS	03200	31, 141, 1547, 1774
L120	03320	
L4M	03321	
LARGE	01511	1264
LASLEV	02454	2457, 2500
LEV1	00726	665, 773, 1075, 1577, 2610, 2654
LEVCT	03342	644, 1126, 1565, 1615, 1616, 2621, 2715
LEVFL	30054	157, 27051, 27051, 27051, 27051, 27051, 27051, 27051, 27051, 27051, 27051, 27051
LEVIR	00660	642, 1101, 1613, 1626, 2640
LEVNO	03341	2037, 2170, 2201, 2443
L1NE1	30303	707, 712, 754, 757
LLEV	03607	3023, 3026, 3034, 3037, 3045, 3050, 3056, 3061, 3067, 3072
LVCNTR	02501	21, 2014, 2451, 2476
MIA	00246	241
M1	00242	247

MTRY	00547	176,243
M3A	00320	314
M3B	00327	323
M3C	00333	326
M3M	00556	200
M3N	00557	202
M3	00516	
M3(M)	00532	0,201,320,331
M3(N)	00533	0,203,324
M4A	00352	346
M4B	00364	360,373
M4C	00372	363
M4M	00560	
M4N	00561	
M4	00345	341
M4(M)	00532	352,376
M4(N)	00533	364
M5A	00256	312
M5B	00264	303,310
M5C	00266	255,260
M5D	00304	275
M5E	00311	253
M5F	00307	273
MASK	03326	2121,2232,2266,2315
MAX	03555	
MEAN	03361	2066,2073
MGPR	00550	56,2517
MINPS	00577	313,315,321,345,347,353
MI	30056	113,777,2627
MISH1	03172	1702
MISH2	01713	1662
MODE1	00240	220
MODE2	00252	222
MODE3	00313	224
MODE4	00335	226
MRCOMP	01056	1036
M	03337	0,1633,2467

NETSIM
SYMBOL REFERENCE DATA

11/19/65

PAGE 50

MSHCTR	03433	1660,1663,1665,1703,2470,2505,2507
MSHEND	01714	1655,1656
MSHLP	01663	1713
MS	30055	112,651,732,1105,1111,1546,2631,2655
MSTEP	30052	110,1106
NAMS	03434	2742,2753,3021,3032,3043,3054,3065
NAMES	00537	27,65
NCYCS	00600	322,325,327,365,372,374
NELT	01645	1635,1647
NETMAX	03553	102,2540
NETSIM	00000	1521,2551
NETTAP	03544	101,2537
NEWAD	01634	1650
NEWF	02465	2462
NEW	01026	1015,1040,1137
NEKSTR	02457	2511
NEXT	30303	121,530,1056,1611,1636,1645,2051,2072,2522,3327,3327,3330,3331,27051,27051,27051,27051,27051,27051,27051,27051
NMFMT	03275	3020
NM	02214	2344
NUCDS	03556	0,154
NUCNT	27046	446,450,527
NUPP	00526	460,654,1334
NUPRI	02204	2033
NORM1	02260	2212,2345
NORM2	02265	2343
NORM3	02334	2271,2272,2275
NORM4	02343	2213
NORM5	02345	2222,2223
NORM	02212	2154,2165
N	03360	2016,2064,2207
NTAG2	03331	2005,2023,2031,2110,2112,2127,2144,2176,2216,2231,2265,2310,2323,2326,2355,2365,2366,2437,2440,2444
NTRA	02353	2153,2164
NUGWTS	02435	2230,2242,2244,2432
NULEVS	03543	17,122,2010,2617
NUMIN	00536	25,64,133
NWSTT	02504	2447
OIEQ02	01476	1233
O1	03563	
O5	03564	
O77	03562	3074,3035,3046,3057,3070
OFBCD	03571	2563
OFF	01045	1044
OFLIP	30065	1011,1076,1100,1604,1607
OFLOC	03432	711,717,731,756,764,776,1004,1031,1051,1053,1541,2022,2054,2077,2103,2111,2137,2175,2253,2336,2360,2400,2564
OFLOW	02557	714,721,735,761,766,1002,1005,2024,2056,2100,2106,2113,2177,2363,2401
OIR	03345	
OLDMS	03355	652,1545
OLD	01037	1013,1042
ONELEV	02476	2013
ONEREC	00527	454
ONE	03324	263,336,343,416,531,643,667,1543,1614,1664,1741,1762,1776,2350,2555
OP2	01140	
OPEND	01732	1715

NETSIM
SYMBOL REFERENCE DATA

11/19/65

PAGE 51

OPSNUM	03240	127,1740,1742,1761,1763,2523,2530
OPTS	03441	2744,2754,2761,2763,2767,2771,2775,2777,3003,3005,3011,3013,3030,3041,3052,3063,3074
OPUT	01010	744,746
OSIZE	00310	
OSUM1	01525	1224,1231,1234,1375,1413,1426,1434
OSUM	03534	661,1032,1034,1170,1223,1230,1433,2603
OUTBSR	00421	402
OVAL	30066	705,747,1602,1606,1620,2015,2040,2202,2635
PBCD1	03264	2714
PBCD4	03302	
PCENTB	01532	1253,1265,1267,1600
PCENT	00562	207,362
PR2	03105	2611,2612,3102
PRINT	02607	1610
PRLIN	00745	701,741
PRTRA	03107	2607
PSRP	03113	
QADTO	02606	2556,2571,2604
QDEF	02752	2746,2755
QMLP	02737	3104
QPANT	02706	2751,2752
QUOT	03352	
RANGE	01522	1304
RBCD	03250	2544
READOP	00535	23,63
READ	00443	
READS	00575	244,246,250
RECSKP	00141	465
RESCY	00601	342,344,354,367
RESET	01351	1340
REVER1	01215	655,1335
REVER2	01314	656,1336
REVSIM	01332	1241,1242,1401,1402,1463
REVS	01457	1443,1444
RSCAL	03346	
LCTR	BLCTR	
QUAL	UNQS	
LCTR	//	
	SAT	01136 1025
	SAV2	02552 2527
	SAVEN	00651 1617
	SAVFDR	02426 2404
	SCALE	03344
	SCHED	00216 172,177,205,210,1777,2525,2554
	SET2	01274 1256,1325
	SETOZE	02322 2312,2314,2402
	SETSM	02555 1033,1443,2141,2255,2340
	SGWT	03112 2241,2250
	SHFOTP	01143
	SHI	01142
	SKIP	30047 100,125,130,131,132,213,415,417,452,454,2532,2536,27051,27051,27051,27051
	SMALC2	01326 1322
	SMALCH	01320 1271
	SMALL	01652 1646
	SNEXT	30303 124
	SOGWT	02354 2134,2247,2333

NETSIM
SYMBOL REFERENCE DATA

11/19/65

PAGE 52

SSUM	00707	724
STABL	01161	1072
STRING	03362	1632,1642,1644,1666,1720,1721,1723
STRINO	02475	2007,2457,2471,2473
STRIR	03350	
SVAL	30306	736,1016
SYMB	30304	
TCYCL	00564	431
TEMP	03353	1166,1171
TENTH	03322	1165
THREE	00534	
TODIG1	01470	1300,1330,1474
TODIG2	01504	1502
TODIG	01451	1437,1440
TOTAL	00576	335,337,356,370
TRIAL	03336	657,1035,1060,1074
TRI	01071	1061
TRYS	00031	1067
TSUM	03335	700,720,722,727,751,765,767,774,2050,2055,2057
TWO	03325	453
ULTIM	01620	1612
UNSI	01105	1104
UNS2	01111	
UNSAT	02231	2260
UNSTA	01104	1073
WDONE	00531	463
WORD1	03313	
WRES	02527	525
X1TRY	03557	175
XANDY	30316	671
XCENT	03560	206
XNUMM	03446	
XXXX	03550	77,2623
Y	03337	54
YYYY	03551	673,2675
ZERO	03323	355,1041,2276
ZITER	00657	1135,1551,1576
ZZZ	00423	414

REFERENCES TO VIRTUAL SYMBOLS.

BPOINT	4	2420
RTOP	7	1113, 1552, 1670, 2405, 2657, 2667, 2756, 2764, 2772, 3000, 3006
DUMMY1	12	3601
DUMMY2	13	3604
GPR1	6	2514
.CLOSE	26	500
.FBLT.	28	2620, 2622, 2674, 2526, 2630, 2632, 2634, 2646
.FBST.	14	411
.FCNV.	25	433, 435, 437, 1127, 1131, 1566, 1570, 1572, 1704, 1706, 1743, 1745, 1764, 1766, 2565, 2703, 2716, 2720, 2722, 3025, 3027, 3031, 3036, 3040, 3042, 3047, 3051, 3053, 3060, 3062, 3064, 3071, 3073, 3075
.FEFT.	15	521
.FFIL.	11	233, 440, 472, 506, 516, 1132, 1516, 1573, 1707, 1746, 1767, 2545, 2566, 2704, 2723, 2733, 3076
.FPRN.	8	227, 466, 502, 2541
.FWLR.	29	2653

NETSIM
SYMBOL REFERENCE DATA

11/19/65

PAGE 53

.FWRB.	16	2613
.FWRD.	17	425, 511, 1121, 1511, 1560, 1676, 1733, 1754, 2557, 2675, 2710, 2726, 3014
.OPEN	22	66
.READ	23	70, 145, 443
.UNO3.	27	524, 2616
.UNO6.	24	430, 514, 1124, 1514, 1563, 1701, 1736, 1757, 2562, 2700, 2713, 2731, 3017
NETCHG	5	103
RDNET	9	75
READCC	19	34
SORT	18	2413
SYSLOC	21	10
TPCK	20	60
WRTNET	10	2533

11/19/65

PAGE 54

\$IBLDR RFADC			11/01/65	READ0000
\$IBLDR TPCK1			11/01/65	TPCK0000
\$IBLDR RONE1			11/01/65	RDNE0000
\$IBLDR WRTNE1			11/01/65	WRTN0000
\$IBLDR GPR11			11/01/65	GFAT0000
\$IBLDR DUMMY1	22 OCT 64	20/34/53		DUMMY100
\$IBLDR DUMMY2	22 OCT 64	20/34/53		DUMMY200
\$IBLDR NETCH			06/22/65	NETC0000
SENTRY	MAIN			

INLCR

11/19/65

PAGE 55

OVERLAY ORIGIN CARDS AND ASSIGNED LINK NUMBERS

\$ORIGIN	BEGINX	IS LINK 1, PARENT LINK IS	0
\$ORIGIN	BEGINX	IS LINK 2, PARENT LINK IS	0
\$ORIGIN	BEGINX	IS LINK 3, PARENT LINK IS	0
\$ORIGIN	BEGINX	IS LINK 4, PARENT LINK IS	0
\$ORIGIN	BFTAXX, 12288	IS LINK 5, PARENT LINK IS	4
\$ORIGIN	GAMPAX, 30000	IS LINK 6, PARENT LINK IS	5

INLCR

11/19/65

PAGE 56

* MEMORY MAP *

SYSTEM		00000 THRU 02717
FILE BLOCK ORIGIN		02720
FILES	1.	UNIT01
	2.	UNIT03
	3.	UNIT04
	4.	UNIT08
	5.	UNIT09
	6.	UNIT10
	7.	UNIT11
	8.	UNIT12
	9.	FILE2
	10.	UNIT05
	11.	UNIT06
FILE LIST ORIGIN		03124
PRE-EXECUTION INITIALIZATION		03152
CALL ON OBJECT PROGRAM		03203
OBJECT PROGRAM		03210 THRU 74057


```

NETA2 32414      NETAS2 34153
4 NETSIM 21022    NETSIM (21022)  NETSIM (21022)
  READC 24644    READCC 25256
  TPCR1 25376    TPCR 25545
  RDMF11 25573   RDMLT 25712
  WRTNF1 25740   WRTNET 26367
  GPRT1 26117   GPRT 26441
5 DUMMY1 30000   DUMMY1 (30000)
6 DUMMY2 72460   DUMMY2 (72460)
  NETCH 72500    NETCHG 73746

```

I/O BUFFERS 74060 THRU 77753

UNUSED CORE 77764 THRU 77777

```

CONTROL CARD
READOP= 2
NUMIN= 36
NAMES= 12
EVS=000000100000
SM=7

```

NETWORK SPECIFICATIONS

```

NO. OF LEVELS= 2
DY= 0.599999994
EPSLN= 0.099999994
NSTEP= 0.100000
GSAT=1.000000
COMG=0.500000

```

READY CONTROL CARD

```

0000000000ICINP2 MAX 1 0 03 -0 12 12 12 1 -0 -0 -0 -0
READOP= 2
NUMIN= 36
NAMES= 12
NINPS=000000000014  NCYCS=000000000014  INDICT=000000000001

```

```

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.12086539
** CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.24960235
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37833931
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.31397083
** CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.28178661
** CONTROL=000000000007
5 BIAS CHANGES

```

LEVEL 1 MS = 0.20000000 BIAS = -0.28178661

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0560676	2. 1	0.	3. 1	0.	4. 1	0.0300034	5. 1	0.7346227
6. 1	0.2043122	7. 1	0.0128990	8. 1	0.2171668	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.1767785
16. 1	0.1134861	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.2201116	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.2503265	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.0112631	32. 1	0.	33. 1	0.	34. 1	0.2442960	35. 1	0.7063614
36. 1	0.4982831	37. 1	0.	38. 1	0.	39. 1	0.1623816	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.0819620	48. 1	0.3509638	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.2283224	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.0639053	63. 1	0.	64. 1	0.1142501	65. 1	0.
66. 1	0.3036441	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

```

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.37386951
** CONTROL=000000000001
1 BIAS CHANGES

```

LEVEL 2 MS = 0.01000000 BIAS = 0.37386951

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5584523	2. 2	0.4415477	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.55845								
SUM NO. 2 IS	0.44155								

```

*** 1 INPUT HI IDENTIFICATION CORRECT
NINPS=000000000013  NCYCS=000000000014  INDICT=000000000001

```

```

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.34493962
** CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.84164593
** CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.33845223

```

** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.0899908
 ** CONTROL=0000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.0899908

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2468480	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.4122943	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.6442276	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.8963225
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.4093587
31. 1	0.3346429	32. 1	0.1332881	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.6878108	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.1454929	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4098358	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.7008188	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.2600507	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000

** CONTROL=0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.95383812

** CONTROL=0000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.72691907

** CONTROL=0000000007

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.72691907

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2896456	2. 2	0.7083905	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.28965								
SUM NO. 2 IS	0.70839								

*** 2 INPUT V1 IDENTIFICATION CORRECT
 MINPS=00000000012 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.09492627

** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.21236171

** CONTROL=0000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.32979715

** CONTROL=0000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.27107944

** CONTROL=0000000007

BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.27107944

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.0707964	5. 1	0.2800895
6. 1	0.	7. 1	0.0560868	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.0890306	20. 1	0.
21. 1	0.0754879	22. 1	0.4217470	23. 1	0.	24. 1	0.	25. 1	0.1459005

26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.2113044	33. 1	0.1419679	34. 1	0.	35. 1	0.
36. 1	0.2710391	37. 1	0.	38. 1	0.7324083	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.0811255	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1660610	55. 1	0.
56. 1	0.	57. 1	0.4613304	58. 1	0.	59. 1	0.	60. 1	0.1833485
61. 1	0.	62. 1	0.	63. 1	0.5178607	64. 1	0.4800267	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.2497721	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.43167292

** CONTROL=0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.86334586

** CONTROL=0000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.64750940

** CONTROL=0000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.75542763

** CONTROL=0000000007

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.75542763

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.8920818	2. 2	0.1064920	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.89208								
SUM NO. 2 IS	0.10649								

*** 3 INPUT H2 IDENTIFICATION CORRECT
 MINPS=00000000011 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.35124192
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.77137485
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.19150779
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.98144132
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.08647455
 ** CONTROL=00000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.08647455

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.6318640	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1246036	24. 1	0.6001412	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.4305101	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.6577417	42. 1	0.8258348	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.4424371	48. 1	0.3559653	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0575133	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.2972596	58. 1	0.	59. 1	0.	60. 1	0.0974367
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.38282470
 ** CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.38282470

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.6171753	2. 2	0.3576731	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.61718								
SUM NO. 2 IS	0.35767								

*** 4 INPUT V2 IDENTIFICATION INCORRECT.
 MINPS=00000000011 NCYCS=00000000013 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.32713445
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.70744336
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.08778226
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.89761281
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.99269754
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.94515517
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.94515517

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.0660949	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.5057980	17. 1	0.	18. 1	0.	19. 1	0.0792052	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1863207	24. 1	0.5314023	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.3502648	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5602327	42. 1	0.9751018	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.3277916	48. 1	0.3174058	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.1505861	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.2866554	58. 1	0.0869453	59. 1	0.	60. 1	0.1710345
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.1714049	72. 1	0.1685986	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.21070910
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.21070910
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.21070910

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 5 INPUT V2 IDENTIFICATION CORRECT
 MINPS=00000000010 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.10253797
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.23771323
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37288849
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.30530086
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.30530086

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.2177785	8. 1	0.	9. 1	0.	10. 1	0.5601566
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.1406946	19. 1	0.	20. 1	0.
21. 1	0.2803529	22. 1	0.5124598	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.4716786	29. 1	0.1876866	30. 1	0.
31. 1	0.	32. 1	0.0326330	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.5483770	39. 1	0.	40. 1	0.1796009
41. 1	0.0079907	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.3497322	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.1431412
56. 1	0.	57. 1	0.4576093	58. 1	0.1993753	59. 1	0.	60. 1	0.2071332
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.3865726
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.23352690
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.46705382
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.46705382

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.00000								
SUM NO. 2 IS	0.								

*** 6 INPUT N3 IDENTIFICATION CORRECT
 NINPS=00000000007 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.45862404
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.95151506
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.44440609
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.19796059
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.07473783
 ** CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.13634920
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.13634920

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1578111	4. 1	0.5258948	5. 1	0.0646013
6. 1	0.6485136	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.7981276
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.3532034	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1111967	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.3002881	29. 1	0.1366763	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.6196771
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.1633742	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.0666302	53. 1	0.0349779	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.1198808	60. 1	0.4180507
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 MS = 0.01000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0787559	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.07876								
SUM NO. 2 IS	0.								

*** 7 INPUT V3 IDENTIFICATION INCORRECT.
 NINPS=00000000007 NCYCS=00000000013 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.43176268
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.89692625
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.36208983
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.12950805
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.01321717
 ** CONTROL=00000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.01321717

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.2040289	4. 1	0.4725170	5. 1	0.2007301
6. 1	0.5400902	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.8772317
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.3210907	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1835963	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.0447666	28. 1	0.2904099	29. 1	0.1696606	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.5307168
41. 1	0.0356478	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.0684806
46. 1	0.1911720	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.

51. 1	0.	52. 1	0.1491471	53. 1	0.1528167	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.0990251	58. 1	0.	59. 1	0.1987714	60. 1	0.2983401
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.0095164	70. 1	0.0540399
71. 1	0.0280449	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 99.43409157
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 49.96704578
 ** CONTROL=60000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 25.23352289
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 12.86676145
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 6.68338072
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 3.59169039
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.04584521
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.27292264
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.88646135
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.07969199
 ** CONTROL=00000000007
 11 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 1.07969199

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4649660	2. 2	0.5847204	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.46497								
SUM NO. 2 IS	0.98472								

*** 8 INPUT V3 IDENTIFICATION CORRECT
 MINPS=000000000006 NCYCS=000000000014 INOICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.07283637
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.17165539
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.27047440
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.22106490
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.19636014
 ** CONTROL=00000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.19636014

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.0521838	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.1311260	10. 1	0.4177594
11. 1	0.	12. 1	0.0166235	13. 1	0.	14. 1	0.3317534	15. 1	0.
16. 1	0.2981156	17. 1	0.0254341	18. 1	0.3585735	19. 1	0.2477063	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.

26. 1	0.	27. 1	0.2505631	28. 1	0.3396001	29. 1	0.1258512	30. 1	0.0840365
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.2526452	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.0267182	50. 1	0.
51. 1	0.	52. 1	0.5442357	53. 1	0.	54. 1	0.	55. 1	0.1354197
56. 1	0.0974203	57. 1	0.	58. 1	0.	59. 1	0.3154006	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.2764782
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.2178328	70. 1	0.3918594
71. 1	0.0094101	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.41092080
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.82184163
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.82164163

	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
SUM NO.	1 IS	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO.	2 IS	1.00000								

*** 9 INPUT M4 IDENTIFICATION INCORRECT.
 MINPS=00000000006 NCYCS=00000000013 INDICT=00000000001

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1922597	4. 1	0.0313555	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.1866879	10. 1	0.1997232
11. 1	0.	12. 1	0.1760588	13. 1	0.	14. 1	0.2538983	15. 1	0.
16. 1	0.3171718	17. 1	0.1801726	18. 1	0.1772898	19. 1	0.1630923	20. 1	0.0403540
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.0463079	27. 1	0.3259604	28. 1	0.1112901	29. 1	0.1486238	30. 1	0.1488124
31. 1	0.0184079	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.2493038	38. 1	0.	39. 1	0.0827000	40. 1	0.1359526
41. 1	0.	42. 1	0.	43. 1	0.0590295	44. 1	0.0157090	45. 1	0.0616079
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.2354236	50. 1	0.
51. 1	0.0528629	52. 1	0.2120585	53. 1	0.0135135	54. 1	0.	55. 1	0.1737688
56. 1	0.1129079	57. 1	0.	58. 1	0.	59. 1	0.1612224	60. 1	0.0541117
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.2550384
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.2706645	70. 1	0.1993510
71. 1	0.2701586	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.50000000
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.00000000
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.25000000
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.12500000
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.18750000
 ** CONTROL=00000000005
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 1.18750000

	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
SUM NO.	1 IS	0.3322678	2. 2	0.6790079	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO.	2 IS	0.33227								
		0.67901								

*** 10 INPUT M4 IDENTIFICATION INCORRECT.
 MINPS=00000000006 NCYCS=00000000012 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.05539745
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.12679400
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.09109573
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.10894486
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.10894486

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.0691843	4. 1	0.0919082	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.0881039	10. 1	0.1154515
11. 1	0.	12. 1	0.1375534	13. 1	0.	14. 1	0.1573900	15. 1	0.0264341
16. 1	0.2791287	17. 1	0.1448340	18. 1	0.1265072	19. 1	0.1205598	20. 1	0.0898488
21. 1	0.1029349	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.0756204	27. 1	0.2840785	28. 1	0.1025498	29. 1	0.0932757	30. 1	0.1202169
31. 1	0.1071086	32. 1	0.	33. 1	0.	34. 1	0.0327698	35. 1	0.
36. 1	0.	37. 1	0.1102325	38. 1	0.	39. 1	0.1729473	40. 1	0.0980661
41. 1	0.	42. 1	0.	43. 1	0.1310935	44. 1	0.0814200	45. 1	0.1152903
46. 1	0.	47. 1	0.0137487	48. 1	0.	49. 1	0.1195927	50. 1	0.
51. 1	0.1382921	52. 1	0.0914446	53. 1	0.1217832	54. 1	0.	55. 1	0.1166225
56. 1	0.1255116	57. 1	0.	58. 1	0.	59. 1	0.1183386	60. 1	0.0639020
61. 1	0.0985314	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.1825791
66. 1	0.	67. 1	0.1264138	68. 1	0.	69. 1	0.1996759	70. 1	0.1005373
71. 1	0.1812586	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.87072501
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.68536252
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.09268127
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.79634066
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.94451097
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.94451097

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5327831	2. 2	0.5304108	0. C	C.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.53278								
SUM NO. 2 IS	0.53041								

*** 11 INPUT M4 IDENTIFICATION CORRECT
 MINPS=00000000005 WCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.38494562
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.01701490
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.25068419
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.03424954
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.14244606
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.08835021
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.09835021

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.6246995	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.4597138
16. 1	0.	17. 1	0.	18. 1	0.0417258	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.1734835	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.0915916	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.4910316	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.3938049
46. 1	0.4561374	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.172477
51. 1	0.6233291	52. 1	0.2968856	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.1136834	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.5653044	68. 1	0.	69. 1	0.1804201	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

0 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9321211	2. 2	0.	0. C	C.	0. 0	0.	0. C	0.
SUM NO. 1 IS	0.93212								
SUM NO. 2 IS	0.								

*** 12 INPUT V4 IDENTIFICATION INCORRECT
 MINPS=00000000005 WCYCS=00000000013 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.34284951
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.73555188
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.12825425
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.93190306
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.93190306

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.5741462	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.3563718
16. 1	0.	17. 1	0.	18. 1	0.1899049	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.2065566	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.2010720	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1371602	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.5238988	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.3198855
46. 1	0.3641348	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2364428
51. 1	0.5410770	52. 1	0.2464258	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.1792058	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0838482	67. 1	0.3614234	68. 1	0.	69. 1	0.2247031	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.05901082
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.27900542
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.88950272
 ** CONTROL=00000000007
 4 BIAS CHANGES

*** 15 INPUT M5 IDENTIFICATION INCORRECT.
 MINPS=00000000004 NCYCS=00000000012 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06685187
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.44375218
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.25530203
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.16107695
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20818949
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.18463323
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.18463323

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.1400798	3. 1	0.0961698	4. 1	0.	5. 1	0.
6. 1	0.1179028	7. 1	0.	8. 1	0.1255105	9. 1	0.1098007	10. 1	0.
11. 1	0.0033675	12. 1	0.1247701	13. 1	0.1641105	14. 1	0.1391879	15. 1	0.1355497
16. 1	0.0177969	17. 1	0.0857618	18. 1	0.1430964	19. 1	0.	20. 1	0.1029299
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.1297694	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0605081	30. 1	0.1663611
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1382964	35. 1	0.
36. 1	0.	37. 1	0.0947808	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.1270898	42. 1	0.1659642	43. 1	0.1306118	44. 1	0.1546223	45. 1	0.1392560
46. 1	0.1733222	47. 1	0.1465658	48. 1	0.	49. 1	0.1502012	50. 1	0.1312777
51. 1	0.	52. 1	0.1230704	53. 1	0.1659312	54. 1	0.	55. 1	0.0735214
56. 1	0.1035204	57. 1	0.	58. 1	0.	59. 1	0.0903965	60. 1	0.
61. 1	0.2244854	62. 1	0.	63. 1	0.0574682	64. 1	0.	65. 1	0.2078564
66. 1	0.1370503	67. 1	0.1788554	68. 1	0.	69. 1	0.1528969	70. 1	0.
71. 1	0.1583944	72. 1	0.1198443	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.47480924
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.94961852
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.71221389
 ** CONTROL=00000000007
 3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.71221389

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.1636015	2. 2	0.7625954	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.16360								
SUM NO. 2 IS	0.76260								

*** 16 INPUT M5 IDENTIFICATION INCORRECT.
 MINPS=00000000004 NCYCS=00000000011 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.00000000
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 11.33837390
 ** CONTROL=00000000003

ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 5.70390916
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.88667682
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.47806063
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.77375254
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.42159849
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.24552147
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.33355998
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.28954072
 ** CONTROL=00000000007
 10 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.28954072

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0657993	2. 1	0.0973878	3. 1	0.0926933	4. 1	0.	5. 1	0.
6. 1	0.110584	7. 1	0.	8. 1	0.0990499	9. 1	0.1565528	10. 1	0.
11. 1	0.0942421	12. 1	0.1179854	13. 1	0.0773575	14. 1	0.1136322	15. 1	0.0683884
16. 1	0.1114789	17. 1	0.1116507	18. 1	0.1259336	19. 1	0.0951266	20. 1	0.1154474
21. 1	0.	22. 1	0.	23. 1	0.0498775	24. 1	0.0709221	25. 1	0.
26. 1	0.0652269	27. 1	0.	28. 1	0.	29. 1	0.1011413	30. 1	0.1073644
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1232488	35. 1	0.
36. 1	0.	37. 1	0.0603374	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.1004208	42. 1	0.1207321	43. 1	0.1195555	44. 1	0.1232398	45. 1	0.1049598
46. 1	0.1020751	47. 1	0.1295748	48. 1	0.	49. 1	0.1137177	50. 1	0.0514107
51. 1	0.	52. 1	0.0967120	53. 1	0.1374993	54. 1	0.	55. 1	0.1334447
56. 1	0.0498892	57. 1	0.	58. 1	0.	59. 1	0.1042727	60. 1	0.
61. 1	0.1976135	62. 1	0.	63. 1	0.0485513	64. 1	0.	65. 1	0.1208499
66. 1	0.1058479	67. 1	0.0455711	68. 1	0.	69. 1	0.1130746	70. 1	0.
71. 1	0.1081267	72. 1	0.1210790	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.5000000
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.47183390
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.98591696
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.74295849
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.86443771
 ** CONTROL=00000000007
 5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.86443771

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4464653	2. 2	0.6221224	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.44647								
SUM NO. 2 IS	0.62212								

*** 17 INPUT MS IDENTIFICATION INCORRECT.
 NIMPS=00000000004 NCVCS=00000000010 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.70833330
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 18.74037457
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 9.47435391
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 4.84134364
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.52483848
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.36658591
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.78745963
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.49789649
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.35311493
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.42550571
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.38931033
 ** CONTROL=00000000007
 12 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.38931033

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1284265	2. 1	0.1057373	3. 1	0.1002096	4. 1	0.0727934	5. 1	0.
6. 1	0.1053948	7. 1	0.	8. 1	0.0862591	9. 1	0.059283	10. 1	0.
11. 1	0.1225451	12. 1	0.0817891	13. 1	0.0846848	14. 1	0.054251	15. 1	0.1009914
16. 1	0.1393000	17. 1	0.0923342	18. 1	0.1147075	19. 1	0.0898567	20. 1	0.0967452
21. 1	0.	22. 1	0.	23. 1	0.1154202	24. 1	0.0882325	25. 1	0.0688479
26. 1	0.1141355	27. 1	0.0301127	28. 1	0.	29. 1	0.1045309	30. 1	0.1016495
31. 1	0.0622486	32. 1	0.0318302	33. 1	0.	34. 1	0.1122544	35. 1	0.
36. 1	0.	37. 1	0.0954619	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0840974	42. 1	0.0959210	43. 1	0.1213466	44. 1	0.1024306	45. 1	0.0961163
46. 1	0.0690428	47. 1	0.1165127	48. 1	0.	49. 1	0.0973273	50. 1	0.0780717
51. 1	0.	52. 1	0.1238957	53. 1	0.1335919	54. 1	0.	55. 1	0.1329392
56. 1	0.0852917	57. 1	0.	58. 1	0.	59. 1	0.1202564	60. 1	0.
61. 1	0.1658866	62. 1	0.	63. 1	0.0932234	64. 1	0.	65. 1	0.0925953
66. 1	0.1048335	67. 1	0.0885032	68. 1	0.0431649	69. 1	0.0974545	70. 1	0.
71. 1	0.094511	72. 1	0.1034946	0. 0	0.	0. 0	0.	0. 0	0.
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =	0.50000000								
** CONTROL=00000000001									
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =	1.33598762								
** CONTROL=00000000003									
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =	0.91799481								
** CONTROL=00000000007									
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =	0.70899741								
** CONTROL=00000000007									
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =	0.81349611								

** CONTROL 00000000007
 5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.81349611

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5295500	2. 2	0.4716966	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.52955								
SUM NO. 2 IS	0.47170								

*** 18 INPUT MS IDENTIFICATION CORRECT
 NIMPS=00000000003 NCVCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.38540535
 ** CONTROL=00C000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.83701277
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.28862019
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.06281649
 ** CONTROL=00C000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.06281649

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.3531490	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.3268355	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.2332335	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	C.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.7149817	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6485812	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.5302852	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.5513875
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.1025222
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.3747192	64. 1	0.2677367	65. 1	0.0862084
66. 1	0.0904917	67. 1	0.6152571	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	C. 0	C.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.22871871
 ** CONTROL=00C000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.45743744
 ** CONTROL=00C000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.45743744

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	C. 0	0.
SUM NO. 1 IS	1.00000								
SUM NO. 2 IS	C.								

*** 19 INPUT V5 IDENTIFICATION INCORRECT.
 MINPS=000'00000003 NCYCS=000000000013 INDICT=00000'000.1

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.35229295
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.76893985
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.18558675
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.97726330
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.87310158
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.92518243
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.92518243

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2625197	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.3121215	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.2466887	15. 1	0.
16. 1	C.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.0743468	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.5896319	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.5753982	35. 1	0.
36. 1	C.	37. 1	0.	38. 1	0.0013580	39. 1	0.3786416	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.1529161	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.4241861
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.1988973
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.3072566	64. 1	0.2800727	65. 1	0.2023373
66. 1	0.1925404	67. 1	0.5435665	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 9.53140426
 ** CONTROL=00C000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 5.01570213
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.75785106
 ** CONTROL=00C000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.62892555
 ** CONTROL=00C000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.06446278
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.34669416
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.44780384
 ** CONTROL=00C000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.41725200
 ** CONTROL=000000000007
 9 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 1.41725200

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.0669115	2. 2	0.9697162	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.06691								
SUM NO. 2 IS	0.96971								

*** 20 INPUT V5 IDENTIFICATION CORRECT
 MINPS=00000000002 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.0655659
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.13343181
 ** CONTROL=00000000003
 ** 2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.13343181

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2401834	3. 1	0.0613534	4. 1	0.	5. 1	0.
6. 1	0.5787833	7. 1	0.	8. 1	0.5359581	9. 1	0.5033501	10. 1	0.
11. 1	0.0777799	12. 1	0.	13. 1	0.3948807	14. 1	0.3242249	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.0327537
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.0353073	25. 1	0.0564746
26. 1	0.1958067	27. 1	0.1375144	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.1886524	32. 1	0.	33. 1	0.	34. 1	0.1285426	35. 1	0.0296700
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.0843540	43. 1	0.	44. 1	0.0731065	45. 1	0.
46. 1	0.1764298	47. 1	0.1066169	48. 1	0.4227104	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.0408852	59. 1	0.	60. 1	0.
61. 1	0.1495070	62. 1	0.1149956	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.2966116	67. 1	0.2768729	68. 1	0.	69. 1	0.1816711	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.48393445
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.96786892
 ** CONTROL=00000000003
 ** 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.96786892

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.0300250	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.03003								
SUM NO. 2 IS	1.00000								

*** 21 INPUT H6 IDENTIFICATION INCORRECT.
 MINPS=00000000002 NCYCS=00000000013 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.01651862
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.03679676
 ** CONTROL=00000000003
 ** 2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.03679676

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0373551	2. 1	0.1591712	3. 1	0.1570194	4. 1	0.	5. 1	0.
6. 1	0.0617996	7. 1	0.	8. 1	0.2344398	9. 1	0.1395712	10. 1	0.
11. 1	0.1295281	12. 1	0.	13. 1	0.	14. 1	0.1267135	15. 1	0.0082471
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.0987706
21. 1	0.	22. 1	0.	23. 1	0.1245663	24. 1	0.0634334	25. 1	0.2044874
26. 1	0.1436074	27. 1	0.2181142	28. 1	0.	29. 1	0.	30. 1	0.1759577
31. 1	0.0644354	32. 1	0.	33. 1	0.	34. 1	0.1571184	35. 1	0.1135668
36. 1	0.2219300	37. 1	0.2071889	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.2123104	42. 1	0.0434507	43. 1	0.1615191	44. 1	0.0485307	45. 1	0.
46. 1	0.1120270	47. 1	0.2352436	48. 1	0.1636721	49. 1	0.0318955	50. 1	0.0065665
51. 1	0.	52. 1	0.	53. 1	0.1300260	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.1679550	59. 1	0.	60. 1	0.
61. 1	0.2782001	62. 1	0.1311971	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0316949	67. 1	0.2326525	68. 1	0.	69. 1	0.190121	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.8578406
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.6787420
 ** CONTROL=00000000007
 ** 3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.67874204

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3632837	2. 2	0.5573021	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.38328								
SUM NO. 2 IS	0.55730								

*** 22 INPUT H6 IDENTIFICATION INCORRECT.
 MINPS=00000000002 NCYCS=00000000012 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06584169
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.22557193
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.14570782
 ** CONTROL=00000000007
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.14570782

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1630869	2. 1	0.1136605	3. 1	0.10436	4. 1	0.	5. 1	0.0365545
6. 1	0.0691009	7. 1	0.	8. 1	0.1402931	9. 1	0.0982562	10. 1	0.
11. 1	0.1140321	12. 1	0.	13. 1	0.0931605	14. 1	0.1036386	15. 1	0.1007917
16. 1	0.0555551	17. 1	0.	18. 1	0.0524791	19. 1	0.	20. 1	0.1612352
21. 1	0.	22. 1	0.	23. 1	0.1562731	24. 1	0.1201458	25. 1	0.1184046
26. 1	0.1293533	27. 1	0.1143647	28. 1	0.	29. 1	0.	30. 1	0.1224103
31. 1	0.1340956	32. 1	0.	33. 1	0.0984805	34. 1	0.1046045	35. 1	0.1016064
36. 1	0.1099260	37. 1	0.0749590	38. 1	0.	39. 1	0.0700211	40. 1	0.
41. 1	0.1397948	42. 1	0.1324454	43. 1	0.1522334	44. 1	0.1209866	45. 1	0.0386205
46. 1	0.1426167	47. 1	0.1005801	48. 1	0.0597405	49. 1	0.0683535	50. 1	0.1358189
51. 1	0.	52. 1	0.	53. 1	0.0962604	54. 1	0.	55. 1	0.
56. 1	0.0739809	57. 1	0.	58. 1	0.1065146	59. 1	0.	60. 1	0.
61. 1	0.1244538	62. 1	0.1395309	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1284084	67. 1	0.0688042	68. 1	0.0367563	69. 1	0.1481622	70. 1	0.
71. 1	0.008-211	72. 1	0.1160100	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.77397826
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.63698913
 ** CONTROL=00000000007
 3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.63698913

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4566874	2. 2	0.4633039	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.45669								
SUM NO. 2 IS	0.46330								

*** 23 INPUT H6 IDENTIFICATION INCORRECT.
 MINPS=00000000002 NCYCS=00000000011 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06899975
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 4.76152571
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.41526249
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.24213114
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.65556547
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.36228263
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.21564122
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.28896192
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.25230157
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.23397140
 ** CONTROL=00000000007
 10 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.73397140

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2751940	2. 1	0.0937422	3. 1	0.1329312	4. 1	0.	5. 1	0.1107529
6. 1	0.1122908	7. 1	0.0731096	8. 1	0.1184096	9. 1	0.0863026	10. 1	0.
11. 1	0.0987537	12. 1	0.0414675	13. 1	0.0948003	14. 1	0.0743381	15. 1	0.0831774
16. 1	0.0787865	17. 1	0.	18. 1	0.0808881	19. 1	0.	20. 1	0.1016396
21. 1	0.	22. 1	0.	23. 1	0.1286353	24. 1	0.1006714	25. 1	0.1038425
26. 1	0.1264212	27. 1	0.0825145	28. 1	0.	29. 1	0.	30. 1	0.0598927
31. 1	0.1217888	32. 1	0.	33. 1	0.0858119	34. 1	0.0917777	35. 1	0.1015524
36. 1	0.0783791	37. 1	0.0723047	38. 1	0.	39. 1	0.0651214	40. 1	0.
41. 1	0.1098560	42. 1	0.0852425	43. 1	0.1378015	44. 1	0.1123297	45. 1	0.0890020
46. 1	0.1374866	47. 1	0.0898712	48. 1	0.0830199	49. 1	0.0854628	50. 1	0.0958509
51. 1	0.	52. 1	0.	53. 1	0.0865536	54. 1	0.0618200	55. 1	0.
56. 1	0.0956487	57. 1	0.	58. 1	0.0749081	59. 1	0.	60. 1	0.
61. 1	0.0889098	62. 1	0.0670928	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1178809	67. 1	0.0736924	68. 1	0.1056624	69. 1	0.1109871	70. 1	0.
71. 1	0.0847633	72. 1	0.1063430	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.83386280
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.66693141

*** CONTROL=00000000007
3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.66693141

SUM NO.	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1 IS	1. 2	0.4174681	2. 2	0.3160137	0. 0	0.	0. 0	0.	0. 0	0.
2 IS	1. 15	0.61747								
	2. 15	0.31601								

*** 24 INPUT M6 IDENTIFICATION CORRECT
NIMPS=00000000001 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.42181873
** CONTROL=00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.92354967
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.42528060
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.17441514
** CONTROL=00000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.04898241
** CONTROL=00000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.11169878
** CONTROL=00000000007
6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.11169878

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3377237	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.3655828	13. 1	0.	14. 1	0.1618958	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.3762282	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2672697
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.3573058	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.4625437	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.1092327	44. 1	0.1176102	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1727166	55. 1	0.7769041
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.6482588	63. 1	0.2533318	64. 1	0.1146934	65. 1	0.4729092
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.18125649
** CONTROL=00000000001
1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.18125649

SUM NO.	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1 IS	1. 2	0.8187435	2. 2	0.0812678	0. 0	0.	0. 0	0.	0. 0	0.
2 IS	1. 15	0.81874								
	2. 15	0.08127								

*** 25 INPUT V6 IDENTIFICATION INCORRECT.
NIMPS=00000000001 NCYCS=00000000013 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.38478307
** CONTROL=00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.82305592
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.26132877
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.04219235
** CONTROL=00000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.93262415
** CONTROL=00000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.98740825
** CONTROL=00000000007
6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.98740825

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2927708	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.3070043	13. 1	0.	14. 1	0.1663375	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.0528784
21. 1	0.2707731	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2638239
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.2968704	32. 1	0.	33. 1	0.0683592	34. 1	0.	35. 1	0.0054071
36. 1	0.4404355	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.1952639	44. 1	0.1604751	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.0592992	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.2030519	55. 1	0.6163836
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.5418272	63. 1	0.2046855	64. 1	0.1682640	65. 1	0.3303981
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.45747104
** CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.91494210
** CONTROL=00000000003
2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.91496210

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.0174904	2. 2	1.0000000	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0

SUM NO. 1 IS 0.01749
SUM NO. 2 IS 1.00000

*** 26 INPUT V6 IDENTIFICATION CORRECT
MINPS=00000000014 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.23535973
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.42090479
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.60644984
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.51367731
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.51367731

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0828330	3. 1	0.	4. 1	0.	5. 1	0.9499795
6. 1	0.4184337	7. 1	0.	8. 1	0.1734916	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.1619428
16. 1	0.2653693	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.0857755	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.3941694	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.2510961	35. 1	0.8958586
36. 1	0.7241460	37. 1	0.	38. 1	0.	39. 1	0.0191643	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.2407496	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.2093493	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.0665247	65. 1	0.
66. 1	0.3692866	67. 1	0.	68. 1	0.	69. 1	0.2085970	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.12267578
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.24535158
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.24535158

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 1.00000
SUM NO. 2 IS 0.

*** 27 INPUT H1 IDENTIFICATION CORRECT
MINPS=00000000013 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.35494484
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.94753624
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.54012765
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.24383195
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.24383195

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1084265	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.3901939	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.6859180	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.7466089
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.4252041
31. 1	0.2849563	32. 1	0.1108828	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.7281438	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.1665496	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4052495	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.7133543	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.0248980	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.24952976
 ** CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.24952976

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3074411	2. 2	0.6925588	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.30744
SUM NO. 2 IS 0.69296

*** 28 INPUT V1 IDENTIFICATION CORRECT
MINPS=00000000012 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.26729409
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.42717932
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.58706455
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.50712194
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.54709324
 ** CONTROL=0000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.54709324

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0005349	3. 1	0.	4. 1	0.	5. 1	0.2322235
6. 1	0.1999945	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.0660628
11. 1	0.	12. 1	0.	13. 1	0.0447300	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.0779639	20. 1	0.
21. 1	0.	22. 1	0.5471705	23. 1	0.	24. 1	0.0229196	25. 1	0.1574084
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.1678454	33. 1	0.0045771	34. 1	0.	35. 1	0.
36. 1	0.4655074	37. 1	0.	38. 1	0.9023413	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.1126425	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.0710272	55. 1	0.
56. 1	0.	57. 1	0.5848495	58. 1	0.	59. 1	0.	60. 1	0.1243924
61. 1	0.	62. 1	0.	63. 1	0.5423843	64. 1	0.6123973	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.1663974	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.06002726
 ** CONTROL=0000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.06002726

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5499772	2. 2	0.4500228	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.54998								
SUM NO. 2 IS	0.45002								

*** 29 INPUT MZ IDENTIFICATION CORRECT
 MINPS=00000000011 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.34883726
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.77167857
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.19451988
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.98309722
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.08880955
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.03595439
 ** CONTROL=0000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.03595439

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.0191302	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.5439692	17. 1	0.	18. 1	0.	19. 1	0.1397900	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1773975	24. 1	0.7007629	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.3788602	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5983081	42. 1	0.8951817	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.4608795	48. 1	0.4635941	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.2718052	58. 1	0.0129361	59. 1	0.	60. 1	0.1782901
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.0171869	72. 1	0.1780732	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.37963179
 ** CONTROL=0000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.37963179

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2399171	2. 2	0.7600829	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.23992								
SUM NO. 2 IS	0.76008								

*** 30 INPUT V2 IDENTIFICATION CORRECT

NEW G-WEIGHTS FROM RESULT OF INPUT 30

COMPONENT 1. 1 G-WEIGHTS

0.49571228	0.51786804	0.50225830	0.49571228	0.49571228
0.49571228	0.50103760	0.49571228	-0.50094604	-0.50094604
-0.50094604	-0.50094604	-0.49337769	-0.50094604	-0.50094604
-0.50094604	0.48864746	0.48864746	0.48864746	0.51881409
0.48864746	0.48864746	0.51881409	0.51881409	-0.50753784
-0.50753784	-0.50753784	-0.50753784	-0.47737122	-0.47737122
-0.50753784	-0.50753784	0.	0.	0.

COMPONENT 2. 1 G-WEIGHTS

0.48185730	0.47029114	0.55636597	0.54914856	0.49382019
0.46132324	0.49937439	0.46769714	-0.49882507	-0.48698425
-0.50936490	-0.47148132	-0.51037598	-0.45155334	-0.47724915
-0.59407043	0.19198408	0.48526001	0.72969055	0.68521118
0.3885498	0.14449910	0.56492615	0.80934143	-0.72045898
-0.57656860	-0.33172607	-0.37620544	-0.37649534	-0.91024780
-0.33172607	-0.37649534	0.	0.	0.

COMPONENT 3. 1 G-WEIGHTS

0.53196716	0.50273132	0.43580427	0.53604126	0.42697144
0.52743420	0.52404785	0.51296997	-0.48892212	-0.44916199
-0.45663452	-0.46134949	-0.54217529	-0.66563414	-0.45745850
-0.45861416	0.42837524	0.82186890	0.79714964	0.26332092
0.28805542	0.90165710	0.23738098	0.26216125	-0.29382324
-0.93834501	-0.29382324	-0.42538452	-0.39950562	-0.29382324
-0.42538452	-0.92984009	0.	0.	0.

COMPONENT 4. 1 G-WEIGHTS

0.51278687	0.49467468	0.49246214	0.49658203	0.49720764
0.49868774	0.49221802	0.51531982	-0.50627136	-0.55032349
-0.47709656	-0.46795654	-0.50581360	-0.50883484	-0.49291992
-0.49076843	0.49348450	0.53388977	0.50903320	0.54827881
0.51562500	0.44529724	0.48573303	0.44861267	-0.58778381
-0.50978088	-0.48643494	-0.45498657	-0.48764038	-0.46934509
-0.49423218	-0.50978088	0.	0.	0.

COMPONENT 5. 1 G-WEIGHTS

0.44826796	0.44450378	0.45837402	0.46313477	0.60037415
0.44450378	0.59889221	0.44188354	-0.49087524	-0.54928589
-0.52561951	-0.40524292	-0.55213928	-0.54908752	-0.48764038
-0.44007874	0.77799988	0.82803345	0.20208740	0.
0.63314819	0.82803345	0.58085637	0.14979553	-0.61392212
-0.42095747	0.	-0.64340210	-0.61392212	-0.42095947
-0.64340210	-0.64340210	0.	0.	0.

COMPONENT 6. 1 G-WEIGHTS

0.57875061	0.54138184	0.46746826	0.49928284	0.52128601
0.56826782	0.43646240	0.38671875	-0.49189758	-0.62269592
-0.43115234	-0.57672791	-0.48176575	-0.42048645	-0.33039551
-0.48449767	0.18026733	0.57130432	1.00000000	0.
0.57130432	1.00000000	0.67710876	0.	-0.49452209
-0.38549805	-0.49348450	-0.03086853	-0.38549805	-0.49348450
-0.72300720	-0.99362183	0.	0.	0.

COMPONENT 7. 1 G-WEIGHTS

0.62045288	0.57682800	0.50093079	0.44549397	0.44488414
0.57413940	0.44171143	0.44331360	-0.54782104	-0.24046326
-0.54766846	-0.54576111	-0.54708862	-0.54310608	-0.48063860
-0.54740506	0.56263733	0.55387878	0.62222290	0.55387878
0.62222290	0.55767822	0.22128296	0.30616760	-0.43464661
-0.53330944	-0.49922180	-0.49424744	-0.50300598	-0.53330944
-0.49922180	-0.50300598	0.	0.	0.

COMPONENT 8. 1 G-WEIGHTS

0.50198364	0.47888184	0.51875305	0.50143433	0.50355530
0.49111938	0.49467468	0.50953674	-0.44833374	-0.56744385
-0.50155640	-0.45118713	-0.45172119	-0.61553955	-0.49839783
-0.46580505	0.68190002	0.59303284	0.10792542	0.42344466
0.68190002	0.10792542	0.45933533	0.94448853	-0.44465637
-0.53582764	-0.44465637	-0.44465637	-0.53582764	-0.93519592
-0.21444702	-0.44465637	0.	0.	0.

COMPONENT 9. 1 G-WEIGHTS

0.39865662	0.50201416	0.52038574	0.51159668	0.54626465
0.456116	0.51826477	0.47821045	-0.50120544	-0.53228760
-0.47746277	-0.47831726	-0.50526428	-0.51971436	-0.49961853
-0.48688398	0.62271118	0.30639644	0.37907410	0.62271118
0.37907410	0.55004883	0.37907410	0.76084900	-0.49000549
-0.80627441	-0.35183716	-0.56268311	-0.73362732	-0.35183716
-0.35183716	-0.35183716	0.	0.	0.

COMPONENT 10. 1 G-WEIGHTS

0.48107910	0.43376160	0.56216431	0.45736694	0.66007996
0.48852649	0.46131897	0.45767212	-0.49629211	-0.56321716
-0.50834656	-0.50222778	-0.49478149	-0.42317200	-0.50970459
-0.50222778	0.83934021	0.51542644	0.16952515	0.45793152
0.49343877	0.83934021	0.51542644	0.16952515	-0.48001099
-0.48001099	-0.48001099	-0.44450378	-0.42248535	-0.76840210
-0.48001099	-0.44450378	0.	0.	0.

COMPONENT 11. 1 G-WEIGHTS

0.44011353	0.44244385	0.44083069	0.45272827	0.44471741
0.44331360	0.74649048	0.54930115	-0.55746480	-0.57310486
-0.56404004	-0.57420349	-0.55480847	-0.55593872	-0.05268860
-0.56370544	0.59243774	0.54243774	0.50033569	0.59243774
0.59243774	0.60310364	0.51100159	0.01576233	-0.48098755
-0.47029114	-0.56239319	-0.57307434	-0.48098755	-0.48098755
-0.47029114	-0.48098755	0.	0.	0.

COMPONENT 12. 1 G-WEIGHTS

0.49925232	0.51409912	0.50633240	0.51361084	0.44413647
0.51275281	0.51190186	0.49638367	-0.41330546	-0.54786682
-0.48207092	-0.50230408	-0.50253296	-0.50546265	-0.47090149
-0.47550944	0.56196594	0.46234131	0.55892944	0.40368652
0.45932007	0.55892944	0.53546143	0.45932007	-0.43336487
-0.45680237	-0.58857727	-0.53295898	-0.43336487	-0.53295898
-0.58857727	-0.43336487	0.	0.	0.

COMPONENT 13. 1 G-WEIGHTS

0.40553284	0.44085693	0.45077515	0.57740413	0.55899028
0.56303406	0.43898010	0.56522528	-0.54716492	-0.48710637
-0.45227051	-0.53002930	-0.45426941	-0.45222473	-0.59132385
-0.48556519	0.22732544	0.88647441	0.45533752	0.22732544
0.63432312	0.88647441	0.45533752	0.22732544	-0.29640198
-0.70336914	-0.93138123	-0.52441406	-0.29640198	-0.70336914
-0.27226257	-0.27226257	0.	0.	0.

COMPONENT 14. 1 G-WEIGHTS

0.47113037	0.49856567	0.49978638	0.53979492	0.54202271
0.38265991	0.53818223	0.52780151	-0.48274231	-0.53545979
-0.53227234	-0.44836424	-0.53684998	-0.45397949	-0.47509766
-0.53500364	0.32075500	0.32676497	0.60981750	0.87648010
0.32423401	0.61318970	0.60713196	0.32159424	-0.85140991
-0.56233215	-0.29570007	-0.29570007	-0.84107971	-0.56233215
-0.29570007	-0.29570007	0.	0.	0.

COMPONENT 15. 1 G-WEIGHTS

0.49583435	0.48652649	0.56654358	0.50334167	0.50007629
0.49504089	0.44570923	0.50888171	-0.36363220	-0.51698503
-0.51973643	-0.52090454	-0.52674866	-0.52482605	-0.51399231
-0.51303101	0.48709106	0.39080811	0.36213684	0.60009766
0.61375427	0.44520569	0.39080811	0.71003723	-0.49981689
-0.48481750	-0.53923035	-0.56790161	-0.31625366	-0.48481750
-0.53923035	-0.56790161	0.	0.	0.

COMPONENT 16. 1 G-WEIGHTS

0.6710144	0.46731567	0.46543884	0.40106201	0.43612671
0.46026611	0.59730530	0.56533813	-0.50912476	-0.51731873
-0.40357971	-0.49983215	-0.53427124	-0.47139925	-0.54090881
-0.52357483	0.63687134	0.49215698	0.34231567	0.50639343
0.63687134	0.49215698	0.33804321	0.55514526	-0.54090881
-0.52674866	-0.54090881	-0.39627075	-0.54090881	-0.52674866
-0.33630676	-0.54090881	0.	0.	0.

COMPONENT 17. 1 G-WEIGHTS

0.52438354	0.49758911	0.47924805	0.52438354	0.52438354
0.44443176	0.45703125	0.52799988	-0.52865601	-0.46054077
-0.44832275	-0.48559570	-0.55763245	-0.54785156	-0.47160339
-0.47927856	0.31577713	0.71258545	0.31533813	0.71258545
0.47533875	0.67533875	0.31533813	0.27807617	-0.39135742
-0.39135742	-0.42866516	-0.39135742	-0.82589722	-0.39135742
-0.7884051	-0.39135742	0.	0.	0.

COMPONENT 18. 1 G-WEIGHTS

0.49034119	0.49012756	0.51741028	0.46118164	0.49259949
0.51919556	0.51292419	0.51618958	-0.49780273	-0.49038870
-0.42594092	-0.51716614	-0.51170349	-0.49742176	-0.54336548
-0.50653076	0.66609192	0.43391418	0.71662903	0.48446655
0.23609924	0.48385620	0.69780252	0.28181458	-0.53385925
-0.41687012	-0.43240356	-0.35154724	-0.58378601	-0.83219910
-0.41687012	-0.43240356	0.	0.	0.

COMPONENT 19. 1 G-WEIGHTS

0.49788066	0.50419617	0.46739197	0.47770691	0.57231140
0.44557190	0.49337769	0.54171753	-0.54081726	-0.48390188
-0.49723816	-0.48811340	-0.49180603	-0.48428345	-0.49285889
-0.52093506	0.33023071	0.69151306	0.69151306	0.44474792
0.60176086	0.57699585	0.33296204	0.37023071	-0.48385620
-0.48114014	-0.39408875	-0.63816833	-0.48385620	-0.39408875
-0.64088490	-0.48385620	0.	0.	0.

COMPONENT 20. 1 G-WEIGHTS

0.53593445	0.46092224	0.46833801	0.51293945	0.53575134
0.53465271	0.52436829	0.42704773	-0.49859042	-0.50407410
-0.38024902	-0.49510193	-0.50286865	-0.58564758	-0.51055908
-0.52291870	0.53117371	0.60475159	0.60475159	0.42573547
0.51110840	0.60441589	0.40567017	0.31236267	-0.43930054
-0.41967144	-0.61836243	-0.43930054	-0.43930054	-0.41967144
-0.71165566	-0.51287842	0.	0.	0.

COMPONENT 21. 1 G-WEIGHTS

0.47909545	0.53547668	0.48008728	0.44172668	0.56756592
0.51918130	0.49168396	0.44513794	-0.51428223	-0.41428223
-0.53522756	-0.50552364	-0.5938339	-0.42324829	-0.50444031
-0.44886271	0.58630371	0.59278670	0.44075012	0.38282776
0.52464000	0.34098816	0.62807089	0.63516235	-0.51464044
-0.51260132	-0.57260132	-0.52114588	-0.39911011	-0.36262512
-0.51424444	-0.57260132	0.	0.	0.

COMPONENT 22. 1 G-WEIGHTS

0.45509338	0.49978638	0.45509338	0.45509338	0.60630798
0.56423375	0.45509338	0.56524458	-0.54429626	-0.56332397
-0.57891446	0.	-0.47891446	-0.57891446	-0.57891446
-0.57891446	0.53747913	0.75814819	0.75614819	0.32524109
0.10503676	0.50265503	0.72782415	0.78991899	-0.66326904
-0.66326904	-0.66326904	-0.21033342	-0.01016235	-0.44309998
-0.66326904	-0.66326904	0.	0.	0.

COMPONENT 23. 1 G-WEIGHTS

0.49820665	0.50166321	0.49073747	0.53152406	0.48986816
0.48883257	0.50473022	0.52645120	-0.50460815	-0.46302795
-0.49596326	-0.47544861	-0.52555607	-0.51599121	-0.50448608
-0.52275145	0.47920227	0.47920227	0.65873714	0.51164266
0.46635327	0.46635327	0.54219255	0.39506531	-0.52247620
-0.44111159	-0.51161194	-0.51161194	-0.51161194	-0.51161194
-0.51161194	-0.47827148	0.	0.	0.

COMPONENT 24. 1 G-WEIGHTS

0.45780945	0.56271362	0.57740604	0.32106018	0.58944275
0.53163147	0.56354812	0.42332458	-0.33534241	-0.51380920
-0.41011047	-0.49444360	-0.53581238	-0.49273682	-0.49668884
-0.71701050	0.71541504	0.71616221	0.39520264	0.34465027
0.78161621	0.78161621	0.39520264	0.34465027	-0.44300842
-0.38247681	-0.39215088	-0.78233337	-0.78233337	-0.44300842
-0.39247681	-0.39215088	0.	0.	0.

COMPONENT 25. 1 G-WEIGHTS

0.62539673	0.48935754	0.49921204	0.46585083	0.49531555
0.46280071	0.47492941	0.49822122	-0.52491760	-0.44234755
-0.55143738	-0.50418091	-0.44522035	-0.43087769	-0.55594451
0.56100464	0.62345846	0.50179149	0.34928894	0.31149292
0.62345846	0.34928894	0.64044444	0.40594448	-0.17013555
-0.47924405	-0.35530090	-0.62953147	-0.68729736	-0.35530090
-0.51701355	-0.47924405	0.	0.	0.

COMPONENT 26. 1 G-WEIGHTS

0.51219177	0.51306152	0.50614222	0.51568604	0.50460815
0.48970342	0.50741140	0.44873747	-0.49807739	-0.49569702
-0.47326680	-0.50737000	-0.50849397	-0.51968384	-0.49969397
-0.49804688	0.34429932	0.53302027	0.55227661	0.58469999
0.34429932	0.53302027	0.55227661	0.55616760	-0.46809387
-0.46809387	-0.44891357	-0.41653442	-0.62481200	-0.65481458
-0.46809387	-0.44891357	0.	0.	0.

COMPONENT 27. 1 G-WEIGHTS

0.43296814	0.46536255	0.47555442	0.47285461	0.53645325
0.66275024	0.47506714	0.47894287	-0.50869751	-0.50518799
-0.49699402	-0.48344421	-0.51718140	-0.51716614	-0.44792175
-0.52339172	0.24368288	0.58584534	0.78868103	0.45500183
0.28826304	0.58584534	0.28826904	0.76435452	-0.54275513
-0.72972107	-0.20906007	-0.54275513	-0.72972107	-0.54275513
-0.18476866	-0.51843262	0.	0.	0.

COMPONENT 28. 1 G-WEIGHTS

0.50376892	0.40348814	0.48559570	0.48243713	0.61734009
0.53614807	0.48559570	0.48561096	-0.49913025	-0.48918152
-0.50563647	-0.48077393	-0.51208496	-0.50863647	-0.48580931
-0.51571655	0.49945068	0.25964155	0.50735474	0.74713135
0.55615234	0.31634521	0.53254700	0.58132935	-0.59973145
-0.27566223	-0.65643311	-0.46542358	-0.65643311	-0.46542358
-0.46542358	-0.46542358	0.	0.	0.

COMPONENT 29. 1 G-WEIGHTS

0.52560425	0.48774719	0.48132324	0.48497009	0.46661377
0.50532532	0.58296663	0.46308899	-0.4851146	-0.46083069
-0.52757263	-0.50651550	-0.50547791	-0.51049805	-0.5085337
-0.49543762	0.52830505	0.41548157	0.54017639	0.62622070
0.42732739	0.51341248	0.43150330	0.51754761	-0.49557495
-0.48068237	-0.48068237	-0.48068237	-0.59350596	-0.50741577
-0.48068237	-0.48068237	0.	0.	0.

COMPONENT 30. 1 G-WEIGHTS

0.46463013	0.45564270	0.77422388	0.47383118	0.44119263
0.46110535	0.44680786	0.48352051	-0.56550598	-0.50811768
-0.50830078	-0.26766968	-0.53036499	-0.50477600	-0.55348206
-0.56175232	0.36387634	0.10094775	0.61790466	0.47282410
0.41728210	0.61790466	0.72776794	0.67344666	-0.70556641
-0.39505005	-0.39505005	-0.65002441	-0.50491333	-0.49505005
-0.44938660	-0.50491333	0.	0.	0.

COMPONENT 31. 1 G-WEIGHTS

0.50315857	0.51730347	0.52127075	0.45672607	0.50007629
0.47064700	0.51240376	0.51876851	-0.51788330	-0.53137207
-0.51931703	-0.30600159	-0.45491028	-0.51371765	-0.54924011
-0.52751180	0.38668823	0.52430725	0.51921082	0.56488037
0.56605530	0.38273621	0.43894958	0.61714172	-0.22048950
-0.40376282	-0.51017761	-0.69344053	-0.55186462	-0.51135254
-0.55185462	-0.55699158	0.	0.	0.

COMPONENT 32. 1 G-WEIGHTS

0.63795471	0.44174622	0.46333313	0.46339417	0.55780029
0.46376038	0.48405457	0.46794128	-0.54862976	-0.47103887
-0.54945374	-0.43646240	-0.45405579	-0.55091858	-0.44030762
-0.54911804	0.31999207	0.31964111	0.61614990	0.63275146
0.43957520	0.42294312	0.61614990	0.62725146	0.43737793
-0.57353210	-0.36370850	-0.55729675	-0.55690002	-0.55729675
-0.57353210	-0.38032532	0.	0.	0.

COMPONENT 33. 1 G-WEIGHTS

0.49942017	0.49691772	0.50314331	0.50880432	0.49842834
0.49815369	0.49773696	0.49731445	-0.51033020	-0.49984741
-0.49705505	-0.51063538	-0.50996399	-0.45043945	-0.51002502
-0.51167297	0.45579529	0.45579529	0.44909668	0.56828308
0.48532164	0.56828308	0.56828308	0.44909668	-0.50700378
-0.50700378	-0.51373291	-0.51373291	-0.43072510	-0.50700378
-0.51373291	-0.50700378	0.	0.	0.

COMPONENT 34. 1 G-WEIGHTS

0.51394653	0.45906067	0.52542114	0.53190613	0.50041199
0.46412659	0.51147461	0.49360657	-0.50157166	-0.52940100
-0.50668335	-0.50041199	-0.48370361	-0.49919128	-0.49980164
-0.48822021	0.57763724	0.73625183	0.46707153	0.38546753
0.49761963	0.40609741	0.12770081	0.80209351	-0.50724792
-0.48812866	-0.50724792	-0.39684059	-0.23828125	-0.50724792
-0.58862305	-0.74631165	0.	0.	0.

COMPONENT 35. 1 G-WEIGHTS

0.50399780	0.48919678	0.48661804	0.47767639	0.46763611
0.48085022	0.47135925	0.62263489	-0.38476563	-0.52925110
-0.52925110	-0.53898621	-0.41226196	-0.53477478	-0.54138184
-0.52925110	0.70260620	0.11772156	0.76481628	0.76716614
0.12005615	0.70495605	0.12005615	0.70260620	-0.54533386
-0.54533386	-0.54533386	0.	-0.54533386	-0.60620117
-0.60620117	-0.60620117	0.	0.	0.

COMPONENT 36. 1 G-WEIGHTS

0.40348816	0.50305176	0.95422363	0.40248108	0.47860118
0.42875671	0.39956665	0.42979431	-0.57148743	-0.36335754
-0.56303406	-0.57777405	-0.57296753	-0.37857056	-0.61797622
-0.35478210	0.96052551	0.48051453	0.	0.53288743
0.96052551	0.10499573	0.	0.96052551	-0.26487732
-0.62622070	-0.62622070	-0.21795654	-0.26487732	-0.62622070
-0.62622070	-0.74732971	0.	0.	0.

COMPONENT 37. 1 G-WEIGHTS

0.55043030	0.55213928	0.56987000	0.46046448	0.47380066
0.57470703	0.47563171	0.34292603	-0.46162415	-0.50457764
-0.46160889	-0.49748230	-0.52339172	-0.54432678	-0.47665405
-0.53030396	0.77642822	0.64369202	0.35626221	0.64369202
0.22351074	0.35626221	0.22351074	0.77642822	-0.27677917
-0.52281189	-0.81022644	-0.39007568	-0.27677917	-0.52281189
-0.81022644	-0.39007568	0.	0.	0.

COMPONENT 38. 1 G-WEIGHTS

0.52311707	0.44973755	0.57128906	0.46118164	0.58628645
0.45018005	0.44973755	0.50842285	-0.55500793	-0.21485901
-0.55500793	-0.55262756	-0.55490112	-0.56939647	-0.46652222
-0.53164672	0.65121460	0.82482910	0.	0.
0.65182495	0.82482910	0.22244263	0.82482910	-0.60261536
-0.60319519	0.	-0.60319519	-0.60319519	-0.38139343
-0.60319519	-0.60319519	0.	0.	0.

COMPONENT 39. 1 G-WEIGHTS

0.51855469	0.50535583	0.50894165	0.50932312	0.50808716
0.49452209	0.44749451	0.50767517	-0.50367737	-0.51280712
-0.43345642	-0.51211548	-0.50942993	-0.51217651	-0.50480652
-0.51152039	0.58573914	0.49603271	0.49868774	0.44721985
0.49603271	0.44721985	0.39179993	0.63722229	-0.53826904
-0.48548889	-0.54087830	-0.43666077	-0.43403625	-0.53826904
-0.48548889	-0.54087830	0.	0.	0.

COMPONENT 40. 1 G-WEIGHTS

0.49809265	0.47837810	0.49105835	0.49847412	0.52929688
0.50054932	0.51202393	0.49208069	-0.49806213	-0.49919128
-0.50234987	-0.50234985	-0.44920349	-0.54408264	-0.50234985
-0.50234987	0.44886780	0.44886780	0.55590820	0.53546143
0.42842102	0.53546143	0.44886780	0.59802246	-0.41909799
-0.52615356	-0.50570679	-0.50570679	-0.50570679	-0.52615356
-0.50570679	-0.50570679	0.	0.	0.

COMPONENT 41. 1 G-WEIGHTS

0.49635115	0.40521851	0.49298096	0.49897766	0.26325145
0.44679260	0.47388892	0.49649048	-0.50505066	-0.52178955
-0.49957275	-0.54356384	-0.50509644	-0.41323853	-0.50192261
-0.50973511	0.56578064	0.56578064	0.50102234	0.39707947
0.58091736	0.51614380	0.41220093	0.46104431	-0.45420837
-0.45420837	-0.51895142	-0.45758057	-0.45420837	-0.51895142
-0.51895142	-0.62287903	0.	0.	0.

COMPONENT 42. 1 G-WEIGHTS

0.45869444	0.46553040	0.50936890	0.49473572	0.44493103
0.49374340	0.62359619	0.50936890	-0.52593520	-0.53373718
-0.54063416	-0.34018418	-0.57533264	-0.55606079	-0.58573914
-0.34233093	0.53474426	0.59924316	0.59924316	0.35607910
0.53474426	0.59924316	0.42059326	0.35607910	-0.60978699
-0.43115234	-0.43115234	-0.67417908	-0.49568176	-0.43115234
-0.43115234	-0.49568176	0.	0.	0.

COMPONENT 43. 1 G-WEIGHTS

0.55880737	0.43305969	0.47006226	0.42726135	0.78044128
0.43325806	0.44528198	0.4578223	-0.50447083	-0.50599670
-0.50484755	-0.49644470	-0.52247620	-0.49978638	-0.52383423
-0.44204290	0.61450195	0.61450195	0.64302063	0.52206421
0.42332458	0.58364868	0.58364868	0.01525879	-0.44810913
-0.46810913	-0.56056213	-0.53829916	-0.46810913	-0.46810913
-0.56056213	-0.46810913	0.	0.	0.

COMPONENT 44. 1 G-WEIGHTS

0.51705933	0.49632263	0.47866785	0.50869751	0.47254944
0.49890137	0.51533508	0.51272583	-0.51268005	-0.46303284
-0.51341248	-0.51289368	-0.48545837	-0.52558899	-0.51004028
-0.47198486	0.59382629	0.36311340	0.57969666	0.61331177
0.38258362	0.43095351	0.50141907	0.53506470	-0.53927612
-0.53620911	-0.46578979	-0.43214417	-0.66281128	-0.46578979
-0.46578979	-0.43214417	0.	0.	0.

COMPONENT 45. 1 G-WEIGHTS

0.54362488	0.43879346	0.48872375	0.48728943	0.48495483
0.51806641	0.52416992	0.51484680	-0.50614929	-0.45823669
-0.46362305	-0.45854187	-0.45198059	-0.51698303	-0.52024841
-0.62419128	0.37770081	0.3702590	0.68533325	0.71910095
0.28807068	0.67001343	0.64303589	0.24578857	-0.39079285
-0.38401794	-0.81500244	-0.39079285	-0.4180090	-0.41780090
-0.80824280	-0.37551800	0.	0.	0.

COMPONENT 46. 1 G-WEIGHTS

0.53215027	0.44586182	0.54640198	0.51364136	0.43016052
0.46864119	0.52671814	0.53637695	-0.54180908	-0.49125671
-0.50141907	-0.49827576	-0.45474243	-0.53713989	-0.49858093
-0.47673035	0.74928284	0.29330444	0.65020752	0.65020752
0.35913086	0.47467041	0.63955688	0.18360901	-0.40661621
-0.40661621	-0.40661621	-0.86259460	-0.40661621	-0.40661621
-0.40661621	-0.69770813	0.	0.	0.

COMPONENT 47. 1 G-WEIGHTS

0.51480103	0.49198914	0.50811768	0.50102234	0.54739380
0.46603394	0.48843384	0.48217773	-0.51455688	-0.49874878
-0.50878906	-0.52035522	0.5070959	-0.50970679	-0.51142883
-0.45367432	0.21940613	0.46749878	0.63124074	0.59677124
0.51235962	0.46749878	0.59677124	0.50842285	-0.45568848
-0.70384216	-0.41481018	-0.44927979	-0.41481018	-0.53369141
-0.57855225	-0.44927979	0.	0.	0.

COMPONENT 48. 1 G-WEIGHTS

0.47583008	0.55656433	0.42030334	0.53800964	0.57247925
0.48115540	0.50637817	0.44924927	-0.49638367	-0.59944153
-0.26715562	-0.65367126	-0.40867615	-0.51240540	-0.59060669
-0.47166443	0.11984253	0.56463621	0.56291199	0.56463623
0.85009766	0.65341187	0.30166626	0.38276672	-0.35804749
-0.44709778	-0.44709778	-0.70407104	-0.44540405	-0.44709778
-0.44709778	-0.70407104	0.	0.	0.

COMPONENT 49. 1 G-WEIGHTS

0.49826050	0.50726318	0.51315308	0.39697266	0.52749634
0.52850342	0.31657104	0.51173401	-0.51837158	-0.46977234
-0.53370067	-0.51925659	-0.51296997	-0.50675964	-0.47129822
-0.46781921	0.52394104	0.20300793	0.27490234	0.76466370
0.36439514	0.72752380	0.73495483	0.40658569	-0.40455627
-0.17715576	-0.79742432	-0.77547913	-0.40455627	-0.39715576
-0.39715576	-0.47648671	0.	0.	0.

COMPONENT 50. 1 G-WEIGHTS

0.51335144	0.54930115	0.50122070	0.48431394	0.44551086
0.53779602	0.49482727	0.47366333	-0.53959656	-0.48083496
-0.48023987	-0.55772400	-0.46080017	-0.48181152	-0.52125549
-0.47772217	0.49089050	0.6123962	0.66123962	0.38446045
0.35879517	0.43015747	0.32771301	0.48548869	-0.65760803
-0.35520935	-0.63194275	-0.35520935	-0.35520935	-0.35520935
-0.64194275	-0.65763803	0.	0.	0.

COMPONENT 51. 1 G-WEIGHTS

0.54576111	0.50328064	0.50328064	0.50442505	0.51383977
0.46944716	0.45661926	0.50328064	-0.51325989	-0.49046376
-0.54234314	-0.48419189	-0.42742920	-0.51126099	-0.51550293
-0.51550293	0.36389160	0.56419373	0.61657715	0.36389160
0.36389160	0.61657715	0.41629028	0.69661060	-0.49234009
-0.54440308	-0.54440308	-0.29324341	-0.49234009	-0.54440308
-0.54440308	-0.54440308	0.	0.	0.

COMPONENT 52. 1 G-WEIGHTS

0.42222595	0.55062866	0.49057007	0.41848755	0.52740479
0.53386089	0.48396301	0.57302856	-0.46679688	-0.55738831
-0.45593262	-0.47920227	-0.56971741	-0.54399109	-0.47309875
-0.45382590	0.41171265	0.31512451	0.78849792	0.37005615
0.27346802	0.73924255	0.32080078	0.78088379	-0.37121582
-0.37121582	-0.78964233	-0.46781921	-0.37121582	-0.37121582
-0.78964233	-0.46781921	0.	0.	0.

COMPONENT 53. 1 G-WEIGHTS

0.51643372	0.48789978	0.49563599	0.50288391	0.50096130
0.49751282	0.49006653	0.50856018	-0.45324707	-0.48124695
-0.52754211	-0.48605347	-0.52954102	-0.49070740	-0.53518677
-0.49644470	0.58601379	0.58601379	0.25877380	0.45887756
0.32153320	0.52497864	0.60144043	0.66232300	-0.50984192
-0.43341064	-0.43341064	-0.62332153	-0.76058960	-0.43341064
-0.43341064	-0.37255859	0.	0.	0.

COMPONENT 54. 1 G-WEIGHTS

0.47117615	0.56648254	0.55393982	0.50331116	0.47117615
0.47404480	0.48419189	0.47563171	-0.43568470	-0.51641846
-0.51441556	-0.51376343	-0.47959900	-0.51660156	-0.50839233
-0.51566042	0.13299561	0.65296936	0.73686218	0.55905151
0.44758606	0.72860718	0.43934631	0.30253601	-0.58264160
-0.58264160	-0.55506897	-0.29341125	-0.55506897	-0.37727356
-0.47120667	-0.58264160	0.	0.	0.

COMPONENT 55. 1 G-WEIGHTS

0.50979614	0.49482727	0.46388245	0.51959229	0.53677368
0.53688049	0.46022034	0.47798157	-0.46389771	-0.49266052
-0.49989319	-0.51310730	-0.51531982	-0.50743103	-0.51275281
-0.49540710	0.58529663	0.50296021	0.59422302	0.46852112
0.45547485	0.44555664	0.53680420	0.41111755	-0.47952271
-0.47952271	-0.38824463	-0.51394653	-0.65269470	-0.52700806
-0.47952271	-0.47952271	0.	0.	0.

COMPONENT 56. 1 G-WEIGHTS

0.48313404	0.48626709	0.53540039	0.53221130	0.49467468
0.47921753	0.53221130	0.45686340	-0.46922302	-0.46153259
-0.53315137	-0.52934265	-0.56016968	-0.45983887	-0.47586060
-0.49383545	0.69560242	0.24726868	0.28143311	0.34341431
0.74147034	0.72978210	0.67948914	0.28143311	-0.74104309
-0.38879395	-0.38879395	-0.43907161	-0.83717346	-0.38879395
-0.43907166	-0.37709045	0.	0.	0.

COMPONENT 57. 1 G-WEIGHTS

0.45872498	0.45872498	0.45872498	0.51586914	0.51141357
0.53926086	0.55342102	0.50384521	-0.46368408	-0.56044006
-0.55801392	-0.42620850	-0.46307373	-0.56044006	-0.44514465
-0.52294922	0.72613525	0.30622464	0.59153748	0.76780701
0.34790039	0.17184612	0.47705078	0.61164856	-0.47277832
-0.64904785	-0.64904785	-0.05285645	-0.64904785	-0.64904785
-0.64904785	-0.22912598	0.	0.	0.

COMPONENT 58. 1 G-WEIGHTS

0.47306824	0.55163574	0.51188660	0.53471375	0.47521973
0.48425293	0.49389648	0.47618103	-0.51293945	-0.50978088
-0.51101685	-0.46884155	-0.50650024	-0.51284790	-0.50399780
-0.47492981	0.60397339	0.37039185	0.65615845	0.42256165
0.54948779	0.42256155	0.37039185	0.60397339	-0.46546936
-0.59291077	-0.46546936	-0.35934448	-0.46546936	-0.59291077
-0.46546936	-0.59291077	0.	0.	0.

COMPONENT 59. 1 G-WEIGHTS

0.51927185	0.44250488	0.51226807	0.44943237	0.50157166
0.52732849	0.50874329	0.53895569	-0.47949219	-0.48561096
-0.47698975	-0.49703979	-0.56144714	-0.48168945	-0.53834534
-0.47949219	0.59934998	0.39569092	0.63861084	0.43495178
0.34658813	0.55024719	0.43495178	0.59934998	-0.71903952
-0.42695618	-0.47695618	-0.61066101	-0.42695618	-0.51335088
-0.42695618	-0.42695618	0.	0.	0.

COMPONENT 60. 1 G-WEIGHTS

0.51637268	0.44713175	0.51626587	0.48381706	0.48498555
0.42386024	0.54378718	1.48628964	-0.35148621	-0.54711914
-0.41542053	-0.24748208	-0.54853984	-0.53739929	-0.50740051
-0.54490667	0.51831158	0.57575389	0.68420410	0.53518677
0.47189026	0.29632568	0.55859375	0.40962219	-0.62831116
-0.53672791	0.179932	-0.53672791	-0.53672791	-0.27445984
-0.42346668	-0.53179932	0.	0.	0.

COMPONENT 61. 1 G-WEIGHTS

0.77588819	0.47160339	0.42970276	0.47865295	0.44868469
0.48054504	0.44477844	0.47013955	-0.53068542	-0.50955200
-0.50126642	-0.52342061	-0.52738553	-0.51049805	-0.42410278
-0.47286387	0.55049113	0.75328064	0.75328064	0.31156921
0.55049133	0.75328064	0.31156921	0.01597595	-0.43615723
-0.40824890	-0.76573181	-0.43615723	-0.43615723	-0.43615723
-0.64518738	-0.43615723	0.	0.	0.

COMPONENT 62. 1 G-WEIGHTS

0.51275635	0.50068665	0.48536682	0.51275635	0.49328613
0.45368958	0.51275635	0.52865601	-0.47598267	-0.52391052
-0.48812866	-0.50968933	-0.44655701	-0.48782349	-0.51271057
-0.51516724	0.56423950	0.36344910	0.40356445	0.40437012
0.56423950	0.56423950	0.36344910	0.57241821	-0.42971802
-0.63050842	-0.59036255	-0.42971802	-0.42971802	-0.42971802
-0.42971802	-0.63050842	0.	0.	0.

COMPONENT 63. 1 G-WEIGHTS

0.47451611	0.44380188	0.76879883	0.47355652	0.47126770
0.45251465	0.48229950	0.43356323	-0.50823975	-0.50245467
-0.56737000	-0.54853821	-0.47949219	-0.44006780	-0.52168274
0.48330628	0.33474731	0.64320068	0.30197144	0.81028768
0.30183411	0.26905823	0.26905823	0.86981201	-0.48027039
-0.51303101	-0.51303101	-0.48027039	-0.48027039	-0.48027039
-0.51303101	-0.53979492	0.	0.	0.

COMPONENT 64. 1 G-WEIGHTS

0.48181152	0.48982239	0.47259521	0.47259521	0.52256775
0.47752380	0.51098633	0.57206726	-0.57974243	-0.56607056
-0.56607056	-0.56039429	-0.45317078	-0.52024841	-0.48736572
-0.26690674	0.71192932	0.13107300	0.73396301	0.65384963
0.15312195	0.15312195	0.74246216	0.72042847	-0.56512451
-0.14445496	-0.64520264	-0.64520264	-0.56512451	-0.14445496
-0.64520264	-0.64520264	0.	0.	0.

COMPONENT 65. 1 G-WEIGHTS

0.52204895	0.53103638	0.51849365	0.42292786	0.53878784
0.46089172	0.53768921	0.46810913	-0.46577454	-0.40076904
-0.51986694	-0.44980981	-0.44152832	-0.50848389	-0.52813721
-0.43659773	0.80889893	0.29017639	0.68768311	0.47062226
0.38659668	0.62507629	0.40745544	0.32398987	-0.39750671
-0.61517334	-0.69860840	-0.39750671	-0.39750671	-0.69860840
-0.39750671	-0.39750671	0.	0.	0.

COMPONENT 66. 1 G-WEIGHTS

0.77651978	0.48313904	0.45402527	0.39341736	0.41731262
0.53652254	0.46861267	0.47041321	-0.53137207	-0.50068665
-0.45899963	-0.52000677	-0.51512146	-0.54052734	-0.42324829
-0.50999451	0.33126831	0.61483765	0.79327393	0.20187378
0.41610718	0.41610718	0.52403259	0.70245361	-0.51983643
-0.77587891	-0.36288452	-0.51983643	-0.51983643	-0.18443298
-0.51983643	-0.59742737	0.	0.	0.

COMPONENT 67. 1 G-WEIGHTS

0.53268433	0.50607300	0.53041077	0.38447266	0.44157410
0.40505981	0.51113897	0.48834065	-0.47544861	-0.54130554
-0.48713884	-0.47331238	-0.51655579	-0.49786377	-0.53460693
-0.47372437	0.54873761	0.68722534	0.68722534	0.78372192
0.40763855	0.02461243	0.61842346	0.24234009	-0.36486816
-0.36486816	-0.26652527	-0.36486816	-0.36486816	-0.64996338
-0.96553040	-0.65846252	0.	0.	0.

COMPONENT 68. 1 G-WEIGHTS

0.449711609	0.54985046	0.49230957	0.49185181	0.49214172
0.49020386	0.49546811	0.49101257	-0.50050354	-0.49925232
-0.49943542	-0.50672913	-0.50431824	-0.50239563	-0.48635974
-0.50296021	0.59310913	0.43650818	0.37724304	0.59310913
0.40011597	0.41362000	0.59310913	0.59310913	-0.57162476
-0.54876709	-0.55523254	-0.35578918	-0.54876709	-0.51235962
-0.57162476	-0.35578918	0.	0.	0.

COMPONENT 69. 1 G-WEIGHTS

0.49891663	0.46946716	0.47647095	0.44712830	0.53884888
0.48867308	0.55441284	0.52758789	-0.45565796	-0.51296997
-0.52008057	-0.52799988	-0.52559009	-0.49284363	-0.48895264
-0.47744751	0.27023315	0.27470093	0.85382080	0.28794861
0.67532043	0.84806824	0.28224182	0.60763550	-0.39442444
-0.89471436	-0.50608826	-0.28224182	-0.39442444	-0.84916687
-0.28335571	-0.39442444	0.	0.	0.

COMPONENT 70. 1 G-WEIGHTS

0.51287842	0.52833557	0.51876931	0.46958923	0.51287842
0.51431274	0.43031311	0.51787642	-0.50669861	-0.50759888
-0.50286865	-0.49977112	-0.50491333	-0.50669861	-0.58142090
-0.38996827	0.44567671	0.24142456	0.55430603	0.75857544
0.47945569	0.27220154	0.52354431	0.72776794	-0.53283691
-0.73709166	-0.45500183	-0.45500183	-0.45500183	-0.45500183
-0.45500183	-0.45500183	0.	0.	0.

COMPONENT 71. 1 G-WEIGHTS

0.52154541	0.51179504	0.51266479	0.50952148	0.50349476
0.52372742	0.44645857	0.47654724	-0.48332214	-0.52835083
-0.48629761	-0.47817993	-0.52415466	-0.48669434	-0.48912048
-0.50384949	0.59971619	0.36671448	0.28440857	0.38226318
0.63423157	0.53636169	0.41845274	0.57762146	-0.67790222
-0.40385437	-0.44488525	-0.50177602	-0.67790222	-0.40385437
-0.44488525	-0.44488525	0.	0.	0.

COMPONENT 72. 1 G-WEIGHTS

0.49913025	0.49288440	0.53913879	0.50503540	0.45037842
0.44464111	0.57586670	0.49288940	-0.46940613	-0.51019287
-0.51133728	-0.51261902	-0.49050961	-0.57389832	-0.51261902
-0.41938782	0.22715759	0.67366029	0.67854309	0.39497373
0.39009094	0.54193115	0.54679871	0.54679871	-0.30140686
-0.58493042	-0.47412109	-0.75765991	-0.47412109	-0.46923828
-0.46923828	-0.46923828	0.	0.	0.

COMPONENT 1. 2 G-WEIGHTS

0.50000000	-0.50000000	0.22578430	0.48072815	-0.42454224
0.66851807	0.53059387	0.55436707	0.68743896	0.01918640
0.53408813	0.40344238	0.40006254	0.56623840	0.59745789
0.42216492	0.99084473	1.00000000	0.79936218	0.27745056
0.18496704	0.38182068	0.43675232	0.67633057	0.29883801
0.60513086	0.65635481	0.30527156	0.50280762	0.36631775
0.02909851	0.69636536	0.65026455	1.00000000	0.70660400
0.36224365	0.38754272	0.50455393	1.00000000	0.57572937
0.17768860	0.99084473	0.85542247	0.02687073	0.41847065
0.68037415	0.10780334	0.23196411	0.55090332	0.59849548
0.75674438	0.56556702	0.08793640	0.28509521	0.16331487
0.61534119	0.21484375	0.97235107	0.21925354	0.60476685
0.32196045	0.04199219	0.49304199	0.32310486	-0.41999817
-0.60943604	-0.50363159	-0.45965576	-0.63040161	-0.71087646
-0.47279358	-0.73670959	-0.44012451	-0.46240234	-0.16426086
-0.97828674	-0.45925903	-0.64552307	-0.83892922	-0.37028503
-0.40486145	-0.78938293	-0.48777771	-0.79974417	-0.42985535
-0.38682556	-0.71875000	-0.53479004	-0.79666138	-0.28437205
-0.94180298	-0.43542480	-0.70104980	-0.53089905	-0.41763306
-0.33775330	-0.66751099	-0.61035156	-0.50329590	-0.70156860
-0.52865601	-0.83853149	-0.60925293	-0.61395264	-0.59567261
-0.36296082	-0.74053955	-0.05636487	-0.65667725	-0.34642029
-0.25761414	-0.30793762	-0.38989258	0.	-0.54306030
-0.37319946	-0.48416138	-0.35493469	-0.01144409	-0.02028225
-0.01821899	0.	-0.24980164	-0.74403381	-0.57666016
-0.43400574	0.	0.	0.	0.

COMPONENT 2. 2 G-WEIGHTS

0.50000000	-0.50000000	0.65010071	0.28701782	0.
0.26817322	0.52938843	0.02972412	0.15182659	0.
0.02453613	0.75588989	0.67191748	0.55514526	0.62646484
0.50830078	0.43109131	0.64547026	0.32057190	0.49902344
0.71113586	1.00000000	0.90988159	0.46922302	0.25418091
0.63415527	0.23472595	0.74894714	0.13952637	0.33067322
0.96476746	0.91936646	0.31541443	0.41436768	0.37170410
0.54527283	0.52713013	0.21266174	0.87318420	0.51306152
0.81137085	0.	0.82690430	0.	0.51803589
0.66389465	1.00000000	0.61183167	0.10409546	0.82073975
0.22427368	0.59611511	0.50649861	0.27845764	0.75115967
0.08573914	0.79347229	0.88916016	0.59686279	0.59283447
0.30247498	0.74452261	0.54743958	0.78390503	-0.36109924
-0.73670959	-0.51106262	-0.99639893	-0.74758911	-0.49665833
-0.64630127	-0.08641052	-0.4772463	-0.99639893	-0.98071289
-0.49075317	-0.27143860	-0.94726563	-0.34028625	-0.38899231
-0.19158936	-0.42044067	-0.51829529	-0.49172974	-0.30346680
0.	-0.11317444	-0.77343750	-0.72230530	-0.27917480
-0.38981628	-0.40510559	-0.26350407	-0.69589233	-0.19236755
-0.80384827	-0.43354797	-0.36036582	-0.76152039	-0.43493652
-0.61148071	-0.26301575	-0.87548822	-0.99639893	-0.81533813
-0.15130615	-0.50082397	-0.21835327	-0.99639893	-0.42291260
-0.70085144	-0.99639893	-0.35084534	0.	-0.19900513
-0.92758179	-0.23287164	-0.48699951	-0.64562988	-0.22154236
-0.46345520	-0.51119995	-0.37092590	-0.79682922	-0.03442383
-0.17980757	0.	0.	0.	0.

MINPS=000000000010 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.24209275
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40872397
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.57535568
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.57535568

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.0482998	8. 1	0.	9. 1	0.	10. 1	0.7008889
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.0665746	18. 1	0.0561781	19. 1	0.	20. 1	0.
21. 1	0.3423290	22. 1	0.7030932	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.5603077	29. 1	0.0396706	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.6273523	39. 1	0.	40. 1	0.0161153
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.4356111	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.5338438	58. 1	0.1937323	59. 1	0.	60. 1	0.2391210
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.3134740
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.22824942
 ** CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.22824942

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9229596	2. 2	0.0770402	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.92296								
SUM NO. 2 IS	0.07704								

*** 31 INPUT M3 IDENTIFICATION CORRECT
 MINPS=00000000007 NCYCS=00000000014 IN ICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.45470835
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.93800925
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.42131014
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.17965969
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.05983448
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.11924708
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.11924708

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.2301911	4. 1	0.4185274	5. 1	0.1116207
6. 1	0.7964064	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.8010783
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.3683957	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1378477	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.0506958	28. 1	0.2540761	29. 1	0.1836793	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.5790510
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.7912590	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.1318226	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0952564	60. 1	0.3647274
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.42118737
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.46054370
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.98029687
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.98029687

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4046886	2. 2	0.6868071	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.40469								
SUM NO. 2 IS	0.68681								

*** 32 INPUT M3 IDENTIFICATION CORRECT
 MINPS=00000000006 NCYCS=00000000014 IN ICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.01346451
** CONTROL=00000000001
1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.01346451

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.029617	4. 1	0.0511748	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.0255923	9. 1	0.4101597	10. 1	0.4253695
11. 1	0.	12. 1	0.0845876	13. 1	0.	14. 1	0.2537556	15. 1	0.
16. 1	0.3460369	17. 1	0.1958693	18. 1	0.1136897	19. 1	0.0174950	20. 1	0.
21. 1	0.1087294	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.2121392	27. 1	0.2953040	28. 1	0.1491239	29. 1	0.0820494	30. 1	0.0837327
31. 1	0.2465617	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.2611225	38. 1	0.	39. 1	0.	40. 1	0.0879418
41. 1	0.	42. 1	0.	43. 1	0.0444724	44. 1	0.1227255	45. 1	0.0112915
46. 1	0.	47. 1	0.0958226	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.2174937	52. 1	0.0278048	53. 1	0.1107907	54. 1	0.	55. 1	0.1742574
56. 1	0.	57. 1	0.	58. 1	0.0373527	59. 1	0.1187700	60. 1	0.
61. 1	0.0823223	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.2620758
66. 1	0.	67. 1	0.1883857	68. 1	0.	69. 1	0.	70. 1	0.1488509
71. 1	0.1236225	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000

** CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.21676414

** CONTROL=00000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.85838208

** CONTROL=00000000007

LEVEL 2 MS = 0.01000000 BIAS = 0.85838208

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.7893081	2. 2	0.2551371	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.78931								
SUM NO. 2 IS	0.25519								

*** 33 INPUT V4 IDENTIFICATION CORRECT
MINPS=00000000005 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37958981

** CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.80675241

** CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.23391502

** CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.02033172

** CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.12717437

** CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.07372905

** CONTROL=00000000007

LEVEL 1 MS = 0.20000000 BIAS = -1.07372905

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.6447317	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.4057391
16. 1	0.	17. 1	0.	18. 1	0.0003187	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.1685669	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.0962025	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0601598	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.407363	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.5130792
46. 1	0.4004789	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2344066
51. 1	0.5686808	52. 1	0.2970937	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6513737	68. 1	0.	69. 1	0.3751016	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000

** CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.83963476

** CONTROL=00000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.16981739

** CONTROL=00000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.83490971

** CONTROL=00000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.00236304

** CONTROL=00000000007

LEVEL 2 MS = 0.01000000 BIAS = 1.00236304

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2354061	2. 2	0.7741561	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.23541								
SUM NO. 2 IS	0.77416								

*** 34 INPUT V4 IDENTIFICATION CORRECT
MINPS=00000000004 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06802950
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.75675930
 ** CONTROL=0000000001
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.91234445
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.49021202
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.27912002
 ** CONTROL=0000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.27912002

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.00197100	2. 1	0.	3. 1	0.2543755	4. 1	0.0026418	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.1123213	10. 1	0.0480305
11. 1	0.1690019	12. 1	0.1036040	13. 1	0.	14. 1	0.1682720	15. 1	0.0108742
16. 1	0.2139333	17. 1	0.0571176	18. 1	0.1993490	19. 1	0.0939632	20. 1	0.2347865
21. 1	0.	22. 1	0.	23. 1	0.0662076	24. 1	0.2703249	25. 1	0.
26. 1	0.0985054	27. 1	0.	28. 1	0.	29. 1	0.2321506	30. 1	0.2062121
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.0253054	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.1161339	42. 1	0.2036391	43. 1	0.2791163	44. 1	0.0431849	45. 1	0.1341274
46. 1	0.	47. 1	0.0456642	48. 1	0.	49. 1	0.1255055	50. 1	0.0033634
51. 1	0.	52. 1	0.0880492	53. 1	0.1009625	54. 1	0.	55. 1	0.2663359
56. 1	0.0609197	57. 1	0.	58. 1	0.	59. 1	0.1070195	60. 1	0.
61. 1	0.1613137	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.0692022
66. 1	0.	67. 1	0.0299237	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.1404744	72. 1	0.1183689	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.23672413
 ** CONTROL=0000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.47345628
 ** CONTROL=0000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.47345628

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 35 INPUT MS IDENTIFICATION INCORRECT.
 RINPS=0000000004 NCVCS=00000000013 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 33.91556740
 ** CONTROL=0000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 17.06195045
 ** CONTROL=0000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 8.63514185
 ** CONTROL=0000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 4.42173761
 ** CONTROL=0000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.31503546
 ** CONTROL=0000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.26168439
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.73500885
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.47167109
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.34000221
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.40583064
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.37291943
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.38937803
 ** CONTROL=0000000007
 14 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.38937803

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1404903	2. 1	0.	3. 1	0.1375158	4. 1	0.1184831	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.1480287	10. 1	0.1035933
11. 1	0.0858013	12. 1	0.0889506	13. 1	0.0708421	14. 1	0.0753910	15. 1	0.1278032
16. 1	0.1341282	17. 1	0.1270947	18. 1	0.0666951	19. 1	0.0795996	20. 1	0.0871173
21. 1	0.	22. 1	0.	23. 1	0.1349009	24. 1	0.1094912	25. 1	0.
26. 1	0.1665784	27. 1	0.	28. 1	0.	29. 1	0.1045192	30. 1	0.1170743
31. 1	0.0235244	32. 1	0.0000658	33. 1	0.	34. 1	0.0074314	35. 1	0.
36. 1	0.	37. 1	0.1169977	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.1067379	42. 1	0.1212685	43. 1	0.1697301	44. 1	0.0949346	45. 1	0.0976021
46. 1	0.1370917	47. 1	0.0884811	48. 1	0.	49. 1	0.0826402	50. 1	0.1272147
51. 1	0.	52. 1	0.1560367	53. 1	0.1343722	54. 1	0.	55. 1	0.1288410
56. 1	0.1247150	57. 1	0.	58. 1	0.	59. 1	0.1731585	60. 1	0.
61. 1	0.1665190	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.1069900
66. 1	0.	67. 1	0.0875936	68. 1	0.0241443	69. 1	0.0799949	70. 1	0.
71. 1	0.1062494	72. 1	0.1084246	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.31964490
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.31020993
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.33920963

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 38 INPUT M4 IDENTIFICATION CORRECT
 MINPS=00000000002 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.05502772
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20275486
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.12089179
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.16582307
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.14735719
 ** CONTROL=00000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.14735719

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2199192	2. 1	0.2073374	3. 1	0.2229180	4. 1	0.	5. 1	0.1072721
6. 1	0.1751852	7. 1	0.2355529	8. 1	0.2201796	9. 1	0.	10. 1	0.
11. 1	0.0182401	12. 1	0.	13. 1	0.1102436	14. 1	0.	15. 1	0.1819554
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.1683696
21. 1	0.	22. 1	0.	23. 1	0.1766386	24. 1	0.1055541	25. 1	0.0186998
26. 1	0.0194080	27. 1	0.0576190	28. 1	0.	29. 1	0.	30. 1	0.0616295
31. 1	0.1234134	32. 1	0.	33. 1	0.0937629	34. 1	0.2702865	35. 1	0.3069537
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.0737433	40. 1	0.
41. 1	0.0719727	42. 1	0.1260002	43. 1	0.0454874	44. 1	0.0535028	45. 1	0.0502401
46. 1	0.1954239	47. 1	0.2649353	48. 1	0.0975183	49. 1	0.0579175	50. 1	0.1971387
51. 1	0.	52. 1	0.	53. 1	0.0245296	54. 1	0.	55. 1	0.
56. 1	0.0391608	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1165768	62. 1	0.0368574	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.2932431	67. 1	0.0768953	68. 1	0.0401392	69. 1	0.1018461	70. 1	0.
71. 1	0.0005394	72. 1	0.1539834	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.42730057
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.05460116
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.64095087
 ** CONTROL=00000000007
 3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.64095087

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2066147	2. 2	0.7863497	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.20661								
SUM NO. 2 IS	0.78635								

*** 39 INPUT M6 IDENTIFICATION INCORRECT
 MINPS=00000000002 NCYCS=00000000013 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06900007
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.64320728
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW DECLARED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.35610119
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.71255064
 ** CONTROL=00000000005
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.39077537
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.22988774
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.31033155
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.27010465
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.24999870
 ** CONTROL=00000000007
 9 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.24999870

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2803069	2. 1	0.0549183	3. 1	0.1531481	4. 1	0.	5. 1	0.1138563
6. 1	0.0955480	7. 1	0.1029295	8. 1	0.1288878	9. 1	0.	10. 1	0.
11. 1	0.1570852	12. 1	0.0353953	13. 1	0.0905773	14. 1	0.0523474	15. 1	0.0676492
16. 1	0.	17. 1	0.	18. 1	0.0061329	19. 1	0.	20. 1	0.0897217

21. 1	0.	22. 1	0.	23. 1	0.1781258	24. 1	0.0920812	25. 1	0.1519774
26. 1	0.1433909	27. 1	0.0744286	28. 1	0.	29. 1	0.	30. 1	0.1104457
31. 1	0.0911034	32. 1	0.	33. 1	0.0693748	34. 1	0.1372888	35. 1	0.1054310
36. 1	0.0501271	37. 1	0.	38. 1	0.	39. 1	0.0708351	40. 1	0.
41. 1	0.1869199	42. 1	0.0699651	43. 1	0.1469735	44. 1	0.1061680	45. 1	0.1165796
46. 1	0.0985198	47. 1	0.1190720	48. 1	0.1572222	49. 1	0.1092984	50. 1	0.0331594
51. 1	0.	52. 1	0.	53. 1	0.1013640	54. 1	0.0673339	55. 1	0.
56. 1	0.1455419	57. 1	0.	58. 1	0.0523775	59. 1	0.	60. 1	0.
61. 1	0.1576144	62. 1	0.0990480	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0772561	67. 1	0.1314711	68. 1	0.1294911	69. 1	0.1295312	70. 1	0.
71. 1	0.0851237	72. 1	0.0517051	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000

.. CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.78670967

.. CONTROL=00000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.64335483

.. CONTROL=00000000007

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.64335483

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4112494	2. 2	0.5110187	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.41125								
SUM NO. 2 IS	0.51102								

*** 40 INPUT H6 IDENTIFICATION INCORRECT.
 MINPS=00000000002 NCYCS=00000000012 INDICT=0 000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06899975

.. CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 4.96798265

.. CONTROL=00000000003

ARITHMETIC OVERFLOW OCCURED AT LOC 22054

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.51849121

.. CONTROL=00000000003

ARITHMETIC OVERFLOW OCCURED AT LOC 22054

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.29374549

.. CONTROL=00000000003

ARITHMETIC OVERFLOW OCCURED AT LOC 22054

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.68137263

.. CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.37518620

.. CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.22209300

.. CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.29863960

.. CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.33691289

.. CONTROL=00000000007

9 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.33691.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.3854040	2. 1	0.0890733	3. 1	0.1269749	4. 1	0.0240024	5. 1	0.1280424
6. 1	0.0722633	7. 1	0.0815817	8. 1	0.1181513	9. 1	0.0446606	10. 1	0.
11. 1	0.1018390	12. 1	0.0757397	13. 1	0.0811342	14. 1	0.0983822	15. 1	0.0970263
16. 1	0.0071509	17. 1	0.	18. 1	0.0784261	19. 1	0.	20. 1	0.1027610

21. 1	0.	22. 1	0.	23. 1	0.1211267	24. 1	0.0721067	25. 1	0.0671883
26. 1	0.1119796	27. 1	0.1055044	28. 1	0.	29. 1	0.	30. 1	0.0953271
31. 1	0.0921474	32. 1	0.	33. 1	0.0985844	34. 1	0.0638097	35. 1	0.1000268
36. 1	0.1062166	37. 1	0.0493112	38. 1	0.	39. 1	0.0684845	40. 1	0.0193991
41. 1	0.1265567	42. 1	0.1180854	43. 1	0.1492661	44. 1	0.1165959	45. 1	0.0914135
46. 1	0.1155249	47. 1	0.0803721	48. 1	0.0587584	49. 1	0.0774640	50. 1	0.1114050
51. 1	0.	52. 1	0.	53. 1	0.0784766	54. 1	0.0764060	55. 1	0.
56. 1	0.1111995	57. 1	0.	58. 1	0.0941480	59. 1	0.	60. 1	0.
61. 1	0.0995044	62. 1	0.0856114	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1188464	67. 1	0.0555488	68. 1	0.1147870	69. 1	0.0912507	70. 1	0.
71. 1	0.0774969	72. 1	0.1140019	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.46756767

.. CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.93513535

.. CONTROL=00000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.70135151

.. CONTROL=00000000007

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.70135151

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.7662167	2. 2	0.1727786	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.76627								
SUM NO. 2 IS	0.17278								

*** 41 INPUT H6 IDENTIFICATION CORRECT
 MINPS=00000000001 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41020603
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.84795887
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.38571171
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.14183530
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.01989710
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.08086620
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.08086620

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3526930	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.3357602	13. 1	0.	14. 1	0.1567979	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.0153374
21. 1	0.2206770	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2292136
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.3491743	32. 1	0.	33. 1	0.0225404	34. 1	0.	35. 1	0.
36. 1	0.3891170	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.7050848	44. 1	0.1665744	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.2195101	55. 1	0.7015014
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.6134794	63. 1	0.2129763	64. 1	0.1518798	65. 1	0.3634279
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.05658022
 ** CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.05658022

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0565802	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
 SUM NO. 2 IS 1.05658

*** 42 INPUT V6 IDENTIFICATION CORRECT
 MINPS=00000000014 NCYCS=00000000014 INDCT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.26065448
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.48765603
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.71465658
 ** CONTROL=00000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.71465658

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	1.0610930
6. 1	0.3818021	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0269126
16. 1	0.0615953	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.4466171	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	1.0000935
36. 1	0.8527231	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.1395535	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1149323	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.4200247	67. 1	0.	68. 1	0.	69. 1	0.1484707	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.97834936
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.73917466
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.73917466

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0643952	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 1.06440
 SUM NO. 2 IS 0.

*** 43 INPUT H1 IDENTIFICATION CORRECT
 MINPS=00000000013 NCYCS=00000000014 INDCT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.36179814
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.03127668
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.70075923
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.36601897
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.19564884
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.28233390
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.28233390

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0579728	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.5148539	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.7843239	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.7064882
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.5591998
31. 1	0.3321625	32. 1	0.1518456	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.8053764	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.2104906	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4870282	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.7782473	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.15702242
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.31404485
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.31404485

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 44 INPUT V1 IDENTIFICATION CORRECT
 MINPS=00000000012 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.30434041
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.49238741
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.68042441
 ** CONTROL=00000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.25000000 BIAS = -0.68042441

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.1286205
6. 1	0.2443183	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.1090433	20. 1	0.
21. 1	0.	22. 1	0.6937383	23. 1	0.	24. 1	0.	25. 1	0.1167223
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.1851306	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.4560152	37. 1	0.	38. 1	0.8954197	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.1340233	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.0464424	55. 1	0.
56. 1	0.	57. 1	0.6949155	58. 1	0.	59. 1	0.	60. 1	0.1055569
61. 1	0.	62. 1	0.	63. 1	0.5250328	64. 1	0.8093879	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.1542652	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.17826748
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.12458714
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.32458714

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9357259	2. 2	0.0319479	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.93573								
SUM NO. 2 IS	0.03195								

*** 45 INPUT H2 IDENTIFICATION CORRECT
 MINPS=00000000011 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.36446752
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.83207486
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.29968671
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.06588154
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.18278387
 ** CONTROL=00000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.18278387

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.5724829	17. 1	0.	18. 1	0.	19. 1	0.0594916	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1744752	24. 1	0.7438178	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.3360795	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5500010	42. 1	0.7646712	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.5281249	48. 1	0.5465751	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.1655442	58. 1	0.	59. 1	0.	60. 1	0.0697730
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.1549122	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.05285372
 ** CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.05285372

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2255470	2. 2	0.7744530	3. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.22555
 SUM NO. 2 IS 0.77445

*** 46 INPUT V2 IDENTIFICATION CORRECT
 MINPS=00000000010 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.31864952
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.51854779
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.71844487
 ** CONTROL=00000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.71844487

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.8058570
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.1125676	18. 1	0.0897140	19. 1	0.	20. 1	0.
21. 1	0.4343933	22. 1	0.7877618	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.6937202	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.5369728	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.4665396	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.5957461	58. 1	0.1769685	59. 1	0.	60. 1	0.1436388
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.4266520
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.72490622
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.86786181
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.86786181

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0958596	2. 2	0.	3. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 1.09536
 SUM NO. 2 IS 0.

*** 47 INPUT H3 IDENTIFICATION CORRECT
 MINPS=00000000007 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.47491038
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.97203402
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.46915767
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.22059585
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.22059585

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1592814	4. 1	0.5101042	5. 1	0.
6. 1	0.8254630	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.7752236
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.4203776	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.0183665	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.0750018	28. 1	0.2464444	29. 1	0.1055496	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.6286872
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.2700560	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.1043045	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0174765	60. 1	0.4198885
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.72488934
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.61244467
 ** CONTROL=00000000007
 3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.61244467

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	1	0.3237068	2	2	0.5909430	0	0	0.	0	0	0.
2	1	0.32371									
2	1	0.59094									

*** 48 INPUT V3 IDENTIFICATION CORRECT
 MINPS=00000000006 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.08020513
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.15545382
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.23070250
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.19307816
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.19307816

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.0029509	9. 1	0.5503001	10. 1	0.5164500
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.1835239	15. 1	0.
16. 1	0.3293482	17. 1	0.2401404	18. 1	0.0276378	19. 1	0.	20. 1	0.
21. 1	0.0701845	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.2097609	27. 1	0.1454358	28. 1	0.2953265	29. 1	0.	30. 1	0.
31. 1	0.2951986	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.2650594	38. 1	0.	39. 1	0.1478049	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.0892385	45. 1	0.
46. 1	0.	47. 1	0.0997328	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.3865403	52. 1	0.	53. 1	0.040669	54. 1	0.	55. 1	0.0232266
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0659761	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.2549302
66. 1	0.	67. 1	0.1604993	68. 1	0.	69. 1	0.	70. 1	0.2126449
71. 1	0.0216245	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 MS = 0.01000000 BIAS = 0.

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	1	0.9489727	2	2	0.	0	0	0.	0	0	0.
2	1	0.94897									
2	1	0.									

*** 49 INPUT H4 IDENTIFICATION CORRECT
 MINPS=00000000005 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40621449
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.89742775
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.38864101
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.14303438
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.76583770
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.20443605
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.20443605

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.6285691	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.4446113
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.0569467	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0492415	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.2706964	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.6274981
46. 1	0.3821107	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2339487
51. 1	0.6084643	52. 1	0.3478228	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.7306700	68. 1	0.	69. 1	0.4771515	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.34522854
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.64044109
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.69044109

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 50 INPUT V4 IDENTIFICATION CORRECT
 MINPS=00000000004 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06871457
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.85814705
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.46343082
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.76607271
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BI = 0.41739365
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.24305414
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.33027389
 ** CONTROL=00000000007
 7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.33027389

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0867846	2. 1	0.0413660	3. 1	0.2418317	4. 1	0.1503358	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.2113435	10. 1	0.2350737
11. 1	0.1100403	12. 1	0.0314561	13. 1	0.0055043	14. 1	0.2601090	15. 1	0.0337870
16. 1	0.2554947	17. 1	0.	18. 1	0.1578359	19. 1	0.	20. 1	0.2158701
21. 1	0.	22. 1	0.	23. 1	0.0096927	24. 1	0.3761378	25. 1	0.
26. 1	0.1646804	27. 1	0.	28. 1	0.	29. 1	0.1846133	30. 1	0.1222533
31. 1	0.0903574	32. 1	0.	33. 1	0.	34. 1	0.0399137	35. 1	0.
36. 1	0.	37. 1	0.0146447	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0726970	42. 1	0.2020198	43. 1	0.1879758	44. 1	0.0734423	45. 1	0.0045828
46. 1	0.0262147	47. 1	0.0313392	48. 1	0.	49. 1	0.0638005	50. 1	0.0205732
51. 1	0.	52. 1	0.0859121	53. 1	0.0930018	54. 1	0.	55. 1	0.1157272
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0904820	60. 1	0.
61. 1	0.1764640	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.0838186
66. 1	0.	67. 1	0.2633305	68. 1	0.	69. 1	0.0196482	70. 1	0.
71. 1	0.0155528	72. 1	0.0950545	0. 0	0.	0. 0	0.	0. 0	0.
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =	0.11596055								
** CONTROL=00000000001									
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =	0.23192112								
** CONTROL=00000000003									
2 BIAS CHANGES									

LEVEL 2 MS = 0.01000000 BIAS = 0.23192112

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 51 INPUT H5 IDENTIFICATION INCORRECT.
 MINPS=00000000004 NCYCS=00000000013 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 24.74210262
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 12.47521806
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 6.34177566
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 3.27505448
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.74169391
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.97501363
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.59167349
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.40000343
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.49581846
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.44792095
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.42396219
 ** CONTROL=00000000007
 13 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.42396219

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1738845	2. 1	0.1453089	3. 1	0.1537791	4. 1	0.1311737	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.1223456	10. 1	0.1204548
11. 1	0.0712733	12. 1	0.0890406	13. 1	0.1074514	14. 1	0.0520295	15. 1	0.1173491
16. 1	0.0654563	17. 1	0.0559703	18. 1	0.0491782	19. 1	0.0184806	20. 1	0.0654398
21. 1	0.	22. 1	0.	23. 1	0.1188685	24. 1	0.0924660	25. 1	0.
26. 1	0.1748338	27. 1	0.	28. 1	0.	29. 1	0.0550214	30. 1	0.0796851
31. 1	0.1405923	32. 1	0.0043579	33. 1	0.	34. 1	0.0918193	35. 1	0.
36. 1	0.	37. 1	0.1262096	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0817027	42. 1	0.0718450	43. 1	0.1332150	44. 1	0.0847383	45. 1	0.0794533
46. 1	0.1317579	47. 1	0.0891968	48. 1	0.	49. 1	0.0851516	50. 1	0.1175680
51. 1	0.	52. 1	0.1200894	53. 1	0.0986143	54. 1	0.	55. 1	0.0993350
56. 1	0.0752319	57. 1	0.	58. 1	0.	59. 1	0.1508670	60. 1	0.
61. 1	0.2045613	62. 1	0.	63. 1	0.0481120	64. 1	0.	65. 1	0.0971512
66. 1	0.	67. 1	0.1307280	68. 1	0.0449918	69. 1	0.0991094	70. 1	0.
71. 1	0.1039865	72. 1	0.0841455	U. C	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.03706470
 CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.26851237
 CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.88426620
 CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.07639928
 CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.98033275
 CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.98013275

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3390436	2. 2	0.7257840	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.33904								
SUM NO. 2 IS	0.72578								

*** 52 INPUT M5 IDENTIFICATION INCORRECT.
 MINPS=000000000004 NCYCS=030000000012 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
 CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.48611103
 CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.60235173
 CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.54423138
 CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.51517121
 CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.51517121

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2406216	2. 1	0.0931839	3. 1	0.0653498	4. 1	0.1045564	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.1705049	10. 1	0.0909244
11. 1	0.1027673	12. 1	0.0855695	13. 1	0.0605388	14. 1	0.1013905	15. 1	0.0594977
16. 1	0.0490043	17. 1	0.0943993	18. 1	0.1072654	19. 1	0.0842798	20. 1	0.0914989
21. 1	0.	22. 1	0.	23. 1	0.1415593	24. 1	0.0845741	25. 1	0.0683002
26. 1	0.1620825	27. 1	0.	28. 1	0.	29. 1	0.0793069	30. 1	0.0924693
31. 1	0.0856304	32. 1	0.0907013	33. 1	0.	34. 1	0.1115801	35. 1	0.
36. 1	0.	37. 1	0.0734721	38. 1	0.	39. 1	0.	40. 1	0.0502759
41. 1	0.0658723	42. 1	0.0961391	43. 1	0.0987613	44. 1	0.1244628	45. 1	0.0976725
46. 1	0.0814521	47. 1	0.1321320	48. 1	0.	49. 1	0.0917294	50. 1	0.0471361
51. 1	0.	52. 1	0.0821047	53. 1	0.1072529	54. 1	0.	55. 1	0.1199621
56. 1	0.0872937	57. 1	0.	58. 1	0.	59. 1	0.1221616	60. 1	0.
61. 1	0.1649676	62. 1	0.	63. 1	0.0966519	64. 1	0.	65. 1	0.1062384
66. 1	0.	67. 1	0.1067381	68. 1	0.0870036	69. 1	0.1090292	70. 1	0.
71. 1	0.1105610	72. 1	0.1048618	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 13.28969967
 CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 6.89484990
 CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 3.69742495
 CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.09871250
 CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.24935628
 CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.89967817
 CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.09951723
 CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.99954770
 CONTROL=000000000007
 9 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.99959770

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5372208	2. 2	0.3920142	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
SUM NO. 1 IS	0.53722								
SUM NO. 2 IS	0.39201								

*** 53 INPUT M5 IDENTIFICATION CORRECT
M.NPS=00000000003 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.38545276
** CONTROL=00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.84735717
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.30926158
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.07830937
** CONTROL=00000000007
4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.07830937

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3799412	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.3089983	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0430983	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.8188247	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6591372	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.5395586	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.0372850	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.6772297
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.1418342
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.3054912	64. 1	0.0824066	65. 1	0.2065714
66. 1	0.0210157	67. 1	0.6672811	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.18752401
** CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.37504804
** CONTROL=00000000003
2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.37504804

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 54 INPUT V5 IDENTIFICATION CORRECT
M.NPS=00000000002 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06174741
** CONTROL=00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.41892801
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.24008772
** CONTROL=00000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.15066758
** CONTROL=00000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.19537765
** CONTROL=00000000007
5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.19537765

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2744041	2. 1	0.1408225	3. 1	0.2078619	4. 1	0.	5. 1	0.2215642
6. 1	0.3984942	7. 1	0.0322859	8. 1	0.1778322	9. 1	0.	10. 1	0.
11. 1	0.0432210	12. 1	0.0808421	13. 1	0.0403803	14. 1	0.0207147	15. 1	0.1259630
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.1333393
21. 1	0.	22. 1	0.	23. 1	0.0749997	24. 1	0.0588742	25. 1	0.0199732
26. 1	0.	27. 1	0.0783422	28. 1	0.	29. 1	0.	30. 1	0.1349871
31. 1	0.	32. 1	0.	33. 1	0.0724703	34. 1	0.1370671	35. 1	0.3834311
36. 1	0.1827648	37. 1	0.	38. 1	0.	39. 1	0.0518594	40. 1	0.
41. 1	0.0927351	42. 1	0.1673256	43. 1	0.0972480	44. 1	0.0514865	45. 1	0.1121456
46. 1	0.1112565	47. 1	0.0683354	48. 1	0.0333801	49. 1	0.0211026	50. 1	0.1448114
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.0435171	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1752536	62. 1	0.0141713	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.2833382	67. 1	0.0440520	68. 1	0.0160996	69. 1	0.0635535	70. 1	0.
71. 1	0.015752	72. 1	0.1053765	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
** CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.95221786
** CONTROL=00000000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.72611894
** CONTROL=00000000007
3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.72611894

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.7028830	2. 2	0.2744338	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.70288								
SUM NO. 2 IS	0.27443								

*** 55 INPUT #6 IDENTIFICATION CORRECT
 MINPS=00000000001 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.43413353
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.96627654
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.49841955
 ** CONTROL=00000000005
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.23234805
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.09931231
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.16583018
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.16583018

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3414850	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.4248490	13. 1	0.	14. 1	0.1611464	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.1370204	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2315063
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.3702440	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.3372765	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.1772413	44. 1	0.1850384	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.2284009	55. 1	0.7548956
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.6682120	63. 1	0.2201643	64. 1	0.1090554	65. 1	0.4131317
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.45612516
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.91225033
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.91225033

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 56 INPUT #6 IDENTIFICATION CORRECT
 MINPS=000000000014 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.79024951
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.54116918
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.79203886
 ** CONTROL=00000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.79203886

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	1.1794706
6. 1	0.2326568	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.7205394	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	1.1689290
36. 1	0.9689221	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0895895	54. 1	0.0895895	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.7480306	67. 1	0.	68. 1	0.	69. 1	0.1350483	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991
 ** CONTROL=00000000005
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C. 9645351	2. 2	C.	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	C. 96454								
SUM NO. 2 IS	C.								

*** 57 INPUT M1 IDENTIFICATION CORRECT
 MINPS=00000000013 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.17150900
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.13214584
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.89278267
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.51246426
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.32230505
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.41736465
 ** CONTROL=00000000007
 ** BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.41738465

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	C.	7. 1	0.5505613	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.6863190	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	C.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.5753375

21. 1	C.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.5851367
31. 1	0.2470300	32. 1	0.1182899	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	C.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	C.	42. 1	0.	43. 1	0.6746019	44. 1	0.	45. 1	0.
46. 1	C.	47. 1	0.	48. 1	0.	49. 1	0.1734128	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4617000	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	C.633018A	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	C.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.07620911
 ** CONTROL=00000000001
 ** BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.07620911

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.	2. 2	1.0762091	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	C.								
SUM NO. 2 IS	1.07621								

*** 58 INPUT V1 IDENTIFICATION CORRECT
 MINPS=00000000012 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.30360167
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.51734173
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.73108180
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.94482186
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.83795184
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.78451683
 ** CONTROL=00000000007
 ** BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.78451683

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	C.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	C.	7. 1	C.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	C.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	C.	17. 1	0.	18. 1	0.	19. 1	0.1174862	20. 1	0.
21. 1	0.	22. 1	0.6870687	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	C.	27. 1	C.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	C.	32. 1	0.2473495	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	C.3814704	37. 1	C.	38. 1	0.4731061	39. 1	0.	40. 1	0.
41. 1	C.	42. 1	C.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	C.	47. 1	C.	48. 1	0.0178943	49. 1	0.	50. 1	0.
51. 1	C.	52. 1	C.	53. 1	0.	54. 1	0.380259	55. 1	0.
56. 1	C.	57. 1	0.6881923	58. 1	0.	59. 1	0.	60. 1	0.0815430
61. 1	C.	62. 1	C.	63. 1	0.5192086	64. 1	0.005696	65. 1	0.
66. 1	C.	67. 1	C.	68. 1	0.1471400	69. 1	0.	70. 1	0.
71. 1	C.	72. 1	C.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.2255625
 ** CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.0695782C
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.0695782C

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9311506	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.93115								
SUM NO. 2 IS	C.								

*** 59 INPUT M2 IDENTIFICATION CORRECT
 NIMPS=00000000011 NCYCS=00000000014 INDICT=00000000000

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37444285
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.87910351
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.38376418
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.13143384
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.25759901
 ** CONTROL=00000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.25759901

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
4. 1	C.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.6407300	17. 1	0.	18. 1	0.	19. 1	0.0173737	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1349488	24. 1	0.6968281	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.3402129	30. 1	0.
31. 1	C.	32. 1	C.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	C.5665324	42. 1	0.7082713	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	C.220584	48. 1	0.5552226	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.0051476	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.1696852	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.11742076
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.23484156
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.23484156

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	C.								
SUM NO. 2 IS	1.00000								

*** 60 INPUT V2 IDENTIFICATION CORRECT
 NEW G-WEIGHTS FROM RESULT OF INPUT 60

COMPONENT 1. 1 G-WEIGHTS

0.49565125	0.51780701	0.50219727	0.49565125	0.49565125
0.49565125	0.50097656	0.49565125	-0.50091553	-0.50091553
-0.50091553	-0.50091553	-0.49334717	-0.50091553	-0.50091553
-0.50091553	0.48858643	0.48858643	0.48858643	0.51875305
0.48858643	0.48858643	0.51875305	0.51875305	-0.50749207
-0.50749207	-0.50749207	-0.50749207	-0.47732544	-0.47732544
-0.50749207	-0.50749207	0.	0.	0.

COMPONENT 2. 1 G-WEIGHTS

0.63209534	0.40474265	0.50080872	0.58238220	0.43537903
0.40184021	0.42634583	0.61676025	-0.61860657	-0.25668335
-0.62615967	-0.58100781	-0.37916565	-0.46920776	-0.57934570
-0.48779297	0.11038208	0.59930420	0.74444580	0.71768188
0.51420593	0.36923218	0.39979553	0.54489136	-0.40293884
-0.57723999	-0.43054199	-0.45749901	-0.45765686	-0.78588867
-0.43054199	-0.45765686	0.	0.	0.

COMPONENT 3. 1 G-WEIGHTS

0.52638245	0.50256348	-0.40661621	0.52166748	0.40502930
0.52384949	0.64662170	0.46722412	-0.22111511	-0.53451538
-0.41580200	-0.47523499	-0.61260986	-0.76823425	-0.46182251
-0.51062012	0.	0.98759460	0.89830017	0.38375854
0.38853455	0.89830017	0.21934509	0.22412109	-0.32196045
-0.86653137	-0.32196045	-0.39871216	-0.39549255	-0.32196045
-0.39871216	-0.97459412	0.	0.	0.

COMPONENT 4. 1 G-WEIGHTS

0.55307007	0.47036743	0.48800659	0.50215149	0.49519348
0.49433899	0.48637390	0.51046753	-0.55560303	-0.26081848
-0.54505920	-0.54545593	-0.59031677	-0.41226196	-0.54602051
-0.54441833	0.52673340	0.54237166	0.54833984	0.45381165
0.42118835	0.49572754	0.51138106	0.40039673	-0.28823853
-0.51074219	-0.50607300	-0.58366394	-0.61628723	-0.49507141
-0.48913574	-0.51074219	0.	0.	0.

COMPONENT 5. 1 G-WEIGHTS

0.4224096A	0.42068421	0.44470764	0.44534302	0.78895679
0.42068421	0.62516785	0.44401550	-0.440820	-0.57011414
-0.55854797	-0.39941079	-0.58479309	-0.58499146	-0.58920105
-0.29910278	0.79998779	0.79998779	0.	0.
0.79998779	0.79998779	0.79998779	0.	-0.56221008
-0.48168945	0.	-0.63739014	-0.56221008	-0.48168945
-0.63739014	-0.63739014	0.	0.	0.

COMPONENT 6. 1 G-WEIGHTS

0.50520325	0.46245544	0.38372803	0.59025574	0.88647461
0.49244630	0.35559082	0.31628418	-0.53921509	-0.68193054
-0.50123448	-0.25708482	-0.54754639	-0.44117737	-0.60643005
-0.42535460	0.06289473	0.77062988	0.68190002	0.23594666
0.77062988	0.68190002	0.56010437	0.23594666	-0.32296753
-0.47978210	-0.62025452	-0.13813782	-0.47978210	-0.62025452
-0.73493140	-0.60286424	0.	0.	0.

COMPONENT 7. 1 G-WEIGHTS

0.87548828	0.66505432	0.50645447	0.37452698	0.37506104
0.48871948	0.36799017	0.36761475	-0.59341431	0.
-0.59635925	-0.59523010	-0.55741211	-0.59773254	-0.42694092
-0.59288025	0.63593374	0.63448987	0.69963074	0.63648987
0.69963074	0.63250732	0.	0.05939721	-0.43827820
-0.52214050	-0.50573730	-0.50241089	-0.50175476	-0.52214050
-0.50573730	-0.50175476	0.	0.	0.

COMPONENT 8. 1 G-WEIGHTS

0.4820792	0.45516968	0.55415344	0.47763062	0.48498535
0.56736755	0.48692322	0.49166870	-0.46943884	-0.49342346
-0.53361511	-0.47188013	-0.47747903	-0.55750667	-0.52372742
-0.47711182	0.73149109	0.65914917	0.27103333	0.48782349
0.73149109	0.23103333	0.25614929	0.67179871	-0.45854187
-0.53535461	-0.47143555	-0.45854187	-0.53535461	-0.79182437
-0.27745056	-0.47143555	0.	0.	0.

COMPONENT 9. 1 G-WEIGHTS

0.42179871	0.58250427	0.57870483	0.46527100	0.53855896
0.48846545	0.41044817	0.51620493	-0.53189250	-0.41236877
-0.49349976	-0.41372881	-0.53634644	-0.54533813	-0.54261780
-0.50439453	0.94024458	0.06904602	0.24954224	0.94024458
0.24954224	0.72233582	0.24954224	0.57952200	-0.09019470
-0.93095398	-0.46374512	-0.31854748	-0.80529785	-0.46374512
-0.46374512	-0.46374512	0.	0.	0.

COMPONENT 10. 1 G-WEIGHTS

0.50885010	0.22218325	0.86964417	0.27886859	0.88642446
0.72975159	0.24491882	0.25917053	-0.63032532	-0.70005798
-0.62141418	-0.64822388	-0.21928406	-0.51943976	-0.00372314
-0.65748596	0.62837214	0.88905334	0.29682922	0.17869568
0.19255066	0.62837219	0.88905334	0.29682922	-0.54791687
-0.72576904	-0.56791687	-0.55696106	-0.01228807	-0.44419861
-0.56791687	-0.55696106	0.	0.	0.

COMPONENT 11. 1 G-WEIGHTS

0.41346741	0.40147400	0.40414429	0.36105347	0.40084639
0.38117961	1.00000000	0.63781738	-0.56542969	-0.58212280
-0.57101440	-0.57551575	-0.56965637	-0.56077576	0.
-0.57543945	0.60455322	0.60455322	0.55355835	0.60455322
0.60455322	0.53954656	0.48858643	0.	-0.46087646
-0.52885601	-0.58345032	0.51568604	-0.46087646	-0.46087646
-0.52885601	-0.46087646	0.	0.	0.

COMPONENT 12. 1 G-WEIGHTS

0.45286724	0.46633911	0.45603743	0.56065369	0.69317627
0.46359253	0.46324158	0.44427490	-0.31802368	-0.45561218
-0.55621438	0.57351685	-0.57911682	-0.42921448	-0.55070496
-0.53756714	0.32249451	0.18563679	0.67245483	0.47430470
0.53582764	0.67245483	0.60074904	0.53582764	-0.40733337
-0.47900341	-0.60548401	-0.54397583	-0.40733337	-0.54397583
-0.60548401	-0.40733337	0.	0.	0.

COMPONENT 13. 1 G-WEIGHTS

0.39131165	0.43215942	0.45848083	0.57939148	0.56202698
0.57008836	0.44879150	0.55775452	-0.54443359	-0.47796631
-0.44688816	-0.53489685	-0.45358276	-0.45846559	-0.59776306
-0.48594666	0.20439148	0.90771484	0.48367310	0.20439148
0.60403442	0.90771484	0.48367310	0.20439148	-0.28713989
-0.68803406	-0.95684814	-0.56729126	-0.28713989	-0.68803406
-0.26274109	-0.26274109	0.	0.	0.

COMPONENT 14. 1 G-WEIGHTS

0.49682617	0.43926294	0.58935547	0.51976013	0.51751709
0.41716003	0.50785828	0.51321411	-0.50370789	-0.53523254
-0.54779053	-0.41239779	-0.52988647	-0.45819092	-0.47030640
-0.51245544	0.24042898	0.11985779	0.61363953	0.87467957
0.27571106	0.60758977	0.77603040	0.37011719	-0.78843689
-0.53556824	-0.34454346	-0.34454346	-0.76222229	-0.53556824
-0.34454346	-0.34454346	0.	0.	0.

COMPONENT 15. 1 G-WEIGHTS

0.44525146	0.42782593	0.51448059	0.63385010	0.44828796
0.43074036	0.65266418	0.44685364	-0.35382080	-0.52357483
-0.53717041	-0.53030396	-0.53007507	-0.53594971	-0.51849365
-0.47056580	0.17990112	0.47241211	0.45008850	0.70440674
0.71583557	0.58132935	0.47241211	0.42333984	-0.46624756
-0.45536804	-0.56428528	-0.58666992	-0.32083130	-0.45536204
-0.56428528	-0.58666992	0.	0.	0.

COMPONENT 16. 1 G-WEIGHTS

0.90466309	0.42988586	0.47915644	0.40959167	0.33062744
0.39103699	0.54524231	0.50975017	-0.55209351	-0.54151917
-0.11532593	-0.51641846	-0.59712219	-0.51196289	-0.59027100
-0.57525635	0.62602708	0.52714539	0.50999651	0.36898804
0.62602708	0.52714539	0.67587760	0.13880920	-0.48612976
-0.64430237	-0.48612976	-0.38726807	-0.48612976	-0.64430237
-0.37956238	-0.48612976	0.	0.	0.

COMPONENT 17. 1 G-WEIGHTS

0.53669739	0.50161743	0.47090149	0.51507568	0.51507568
0.49147034	0.44450378	0.52462769	-0.53343201	-0.46566772
-0.47523449	-0.48782349	-0.56207275	-0.50576782	-0.48422241
-0.48574829	0.18074036	0.60354614	0.18074036	0.69744873
0.89115906	0.89115906	0.18074036	0.37443542	-0.46617126
-0.37223816	-0.17861938	-0.46617126	-0.69534302	-0.46617126
-0.88905334	-0.46617126	0.	0.	0.

COMPONENT 18. 1 G-WEIGHTS

0.45108032	0.43028423	0.52191162	0.50755310	0.51977537
0.53715515	0.51239014	0.52000427	-0.53572087	-0.53649902
-0.41973877	-0.28523254	-0.54383850	-0.53720196	-0.59703064
-0.54464722	0.7370251	0.63383484	0.77246094	0.67059326
0.30549622	0.45159912	0.39076233	0.03952026	-0.62953186
-0.41952188	-0.46455383	-0.34219360	-0.44500038	-0.81419373
-0.41952188	-0.46455383	0.	0.	0.

COMPONENT 19. 1 G-WEIGHTS

0.47538757	0.48434448	0.43659973	0.45104980	0.63519287
0.41998291	0.46868676	0.62904358	-0.54272461	-0.48588562
-0.50415039	-0.48167419	-0.49217224	-0.47514363	-0.49736023
-0.52119446	0.26841736	0.78237915	0.78237915	0.41920471
0.56121826	0.63157654	0.28636169	0.26841736	-0.52427673
-0.50633240	-0.30307007	-0.64836121	-0.52427673	-0.30307007
-0.66629028	-0.52427673	0.	0.	0.

COMPONENT 20. 1 G-WEIGHTS

0.52682495	0.47802734	0.48423767	0.50314331	0.55209351
0.55952454	0.53265311	0.36346436	-0.50166321	-0.54287720
-0.27825928	-0.50263977	-0.50978088	-0.59895325	-0.52590942
-0.53988647	0.58035278	0.61466980	0.61466980	0.36647144
0.56439209	0.60989380	0.34849540	0.30302429	-0.43406677
-0.42276001	-0.68635559	-0.43406677	-0.43406677	-0.42276001
-0.69647639	-0.46945190	0.	0.	0.

COMPONENT 21. 1 G-WEIGHTS

0.39065552	0.66343689	0.39323425	0.50282288	0.71249390
0.48852539	0.44419861	0.40457153	-0.48364868	-0.58364868
-0.53276062	-0.57206726	-0.53405762	-0.13615417	-0.52197266
-0.53564453	0.75578308	0.84501648	0.37051392	0.24087524
0.24842834	0.20802307	0.62106323	0.71028137	-0.54768372
-0.67732239	-0.67732239	-0.63691711	-0.16246033	-0.07324219
-0.54768372	-0.67732239	0.	0.	0.

COMPONENT 22. 1 G-WEIGHTS

0.42434692	0.48350525	0.34866333	0.34866333	0.99343872
0.42068481	0.34866333	0.63198853	-0.55039978	-0.55966187
-0.57833862	0.	-0.57833862	-0.57833862	-0.57833862
-0.57833862	0.45874023	0.90344238	0.90344238	0.29307556
0.	0.35176086	0.90344238	0.18608093	-0.75439453
-0.75439453	-0.75439453	-0.03280640	0.	-0.19515991
-0.75439453	-0.75439453	0.	0.	0.

COMPONENT 23. 1 G-WEIGHTS

0.47869873	0.48884692	0.48829651	0.60238647	0.47229004
0.47949573	0.48872375	0.50277313	-0.51564026	-0.44812012
-0.49188232	-0.44210815	-0.54328918	-0.52249146	-0.49934387
-0.53707886	0.49145508	0.49145508	0.72146606	0.59371948
0.48605347	0.36900330	0.48728743	0.35949707	-0.50723267
-0.49232483	-0.50184631	-0.50184631	-0.50184631	-0.50184631
-0.50184631	-0.49119568	0.	0.	0.

COMPONENT 24. 1 G-WEIGHTS

0.47189331	0.59271240	0.58247175	0.22985840	0.60014343
0.55043030	0.53396606	0.43846133	0.	-0.59178162
-0.40890503	-0.57585144	-0.62069702	-0.51765447	-0.52633667
-0.75874379	0.	0.78704434	0.78704434	0.34279724
0.78704434	0.78704434	0.43661497	0.38279724	-0.44406128
-0.38110152	-0.38739445	-0.78689575	-0.78689575	-0.44406128
0.38110152	-0.38739445	0.	0.	0.

COMPONENT 25. 1 G-WEIGHTS				
0.68035889	0.47608948	0.48634338	0.45274353	0.48956299
0.45692444	0.46603394	0.49189758	-0.54856873	-0.42527771
-0.58272961	-0.52621460	-0.37893677	-0.37336731	-0.57054138
-0.59423337	0.68655346	0.49470520	0.41561890	0.33235168
0.68655396	0.41561890	0.48426819	0.48426819	-0.53858948
-0.45535278	-0.34672546	-0.61767578	-0.70094299	-0.34672546
-0.51858948	-0.45535278	0.	0.	0.
COMPONENT 26. 1 G-WEIGHTS				
0.49856567	0.49836731	0.47547438	0.49870300	0.56262207
0.45013428	0.49160767	0.52447510	-0.51023865	-0.48939514
-0.45249439	-0.51210022	-0.56031799	-0.51634216	-0.44393971
-0.51513672	0.42944336	0.54949951	0.70112610	0.62490845
0.42944336	0.54949951	0.70112610	0.01490784	-0.50778198
-0.50778198	-0.35618591	-0.43238831	-0.70405579	-0.62783813
-0.50778198	-0.35618591	0.	0.	0.
COMPONENT 27. 1 G-WEIGHTS				
0.38496399	0.45803833	0.40859985	0.40898132	0.46376038
1.00000000	0.40811157	0.46749878	-0.52006531	-0.51173401
-0.48812866	-0.49787903	-0.51539612	-0.51213074	-0.41345215
-0.54118347	0.	0.82386780	0.91003418	0.14347839
0.20925903	0.82386780	0.20925903	0.88020325	-0.64137268
-0.75228867	0.	-0.64137268	-0.75228867	-0.64137268
0.	-0.57125854	0.	0.	0.
COMPONENT 28. 1 G-WEIGHTS				
0.44763184	0.35240172	0.41700745	0.41378784	0.93736267
0.59773254	0.41700745	0.41702271	-0.57838440	-0.49096680
-0.58799744	-0.25404358	-0.57521057	-0.58799744	-0.47492981
-0.45042419	0.84738159	0.23419189	0.19268799	0.77052307
0.92012024	0.30696106	0.00033569	0.72775269	-0.42808533
-0.12030029	-0.49810791	-0.61384583	-0.49810791	-0.61384583
-0.61384583	-0.61384583	0.	0.	0.
COMPONENT 29. 1 G-WEIGHTS				
0.60877991	0.41661072	0.44168091	0.43481445	0.45571899
0.46830750	0.73063660	0.44343567	-0.45707703	-0.38819885
-0.59371948	-0.53253174	-0.52827454	-0.54119873	-0.53146362
-0.42749023	0.60678430	0.33332825	0.67897034	0.75376892
0.45935059	0.48632813	0.30630493	0.38111877	-0.51275635
-0.44609070	-0.44609070	-0.39431543	-0.66574097	-0.63876343
-0.44609070	-0.44609070	0.	0.	0.
COMPONENT 30. 1 G-WEIGHTS				
0.42518616	0.40908813	1.00000000	0.45744324	0.41738892
0.44514465	0.40843201	0.43728638	-0.61434937	-0.54563904
-0.54583740	0.	-0.55378723	-0.54000854	-0.60340881
-0.59693909	0.08819580	0.	0.72203064	0.49250793
0.45971680	0.72203064	0.76063538	0.75482178	-0.73204041
-0.41354170	-0.41354370	-0.69573975	-0.45594788	-0.41354370
-0.41966248	-0.45594788	0.	0.	0.
COMPONENT 31. 1 G-WEIGHTS				
0.43218994	0.48043823	0.47660828	0.55744934	0.62654114
0.41952515	0.45808411	0.54913330	-0.59835815	-0.64714030
-0.60253906	-0.28561401	-0.23477173	-0.60260010	-0.49057007
-0.53834534	0.40571594	0.53013611	0.52703857	0.76013184
0.72381592	0.36630249	0.16619873	0.52061462	-0.05255127
-0.42904005	-0.44470215	-0.79939270	-0.63635254	-0.40821838
-0.63635254	-0.63946533	0.	0.	0.
COMPONENT 32. 1 G-WEIGHTS				
0.79914856	0.41224670	0.41949463	0.42288208	0.62957764
0.42573547	0.47236633	0.41850241	-0.60267639	-0.45481873
-0.60717173	-0.33695984	-0.39726257	-0.61599731	-0.37315369
-0.61192322	0.12400818	0.20709229	0.73400879	0.74851990
0.35914612	0.34465027	0.73400879	0.74851990	-0.40693665
-0.65655518	-0.25268555	-0.55897522	-0.64205933	-0.55897522
-0.65655518	-0.26719666	0.	0.	0.
COMPONENT 33. 1 G-WEIGHTS				
0.49627686	0.49525452	0.50561011	0.51177979	0.50181580
0.49749756	0.49774170	0.49394226	-0.50949097	-0.49914551
-0.49485779	-0.51948547	-0.50611877	-0.44921875	-0.51092529
-0.51072693	0.44831848	0.44831848	0.44613647	0.57235111
0.49424744	0.57235111	0.57235111	0.44613647	-0.50863647
-0.50863647	-0.51084900	-0.51084900	-0.43281555	-0.50863647
-0.51084900	-0.50863647	0.	0.	0.
COMPONENT 34. 1 G-WEIGHTS				
0.54294173	0.43119707	0.48663660	0.54277039	0.49775696
0.43804732	0.60925233	0.46536255	-0.51333618	-0.53263855
-0.51461742	-0.51222229	-0.41273499	-0.49739975	-0.51162720
-0.50540101	0.57615662	0.73394444	0.57951355	0.54930114
0.49034119	0.50489807	0.29115245	0.27117700	-0.49163818
-0.46043823	-0.49163818	-0.49504189	-0.33415222	-0.49163818
-0.52165222	-0.67378662	0.	0.	0.

COMPONENT 35. 1 G-WEIGHTS

0.49813843	0.48828125	0.48373413	0.47547913	0.46781921
0.49739075	0.45715332	0.63197327	-0.35221863	-0.53009033
-0.53009033	-0.53979492	-0.42781067	-0.54232788	-0.54753113
-0.53009033	0.79998779	0.	0.79998779	0.79998779
0.	0.79998779	0.	0.79998779	-0.58389282
-0.58389282	-0.58389282	0.	-0.58389282	-0.55479431
-0.55479431	-0.55479431	0.	0.	0.

COMPONENT 36. 1 G-WEIGHTS

0.50495911	0.58291199	1.00000000	0.33409119	0.43403625
0.36521912	0.34007263	0.45838928	-0.87512512	-0.34857178
-0.67625427	-0.67428589	-0.68911743	-0.30541992	-0.45991516
-0.17124939	0.94012451	0.37577820	0.	0.80381775
0.94012451	0.	0.	0.94012451	-0.20825195
-0.70687866	-0.70687866	-0.07345581	-0.20825195	-0.70687866
-0.70687866	-0.68247986	0.	0.	0.

COMPONENT 37. 1 G-WEIGHTS

0.54351807	0.53964233	0.55557251	0.51153564	0.49690247
0.56712341	0.47508240	0.31079102	-0.50247192	-0.54815674
-0.50370789	-0.53550720	-0.43626404	-0.46398926	-0.52273560
-0.48733521	0.67167664	0.79304504	0.20695496	0.79304504
0.32829285	0.20695496	C.32829285	0.67167664	-0.35302734
-0.31317139	-0.89926147	-0.43453979	-0.35302734	-0.31317139
-0.89926147	-0.43453979	0.	0.	0.

COMPONENT 38. 1 G-WEIGHTS

0.52651978	0.40219116	0.78195190	0.41429138	0.60591125
0.40267944	0.40219116	0.46421814	-0.64073181	0.
-0.64073181	-0.63830566	-0.64062500	-0.44528198	-0.46578979
-0.52850342	0.67349243	0.82453918	0.	0.
0.67370605	0.82453918	0.17913818	0.82453918	-0.62640381
-0.62661743	0.	-0.62661743	-0.62661743	-0.24047852
-0.62661743	-0.62661743	0.	0.	0.

COMPONENT 39. 1 G-WEIGHTS

0.55712891	0.44107056	0.44450378	0.44723511	0.44006348
0.49215698	0.73887634	0.43891907	-0.51278697	-0.53793335
-0.45643616	-0.45184326	-0.45251465	-0.53691101	-0.51435852
-0.53715515	0.34265137	0.53703308	0.56691309	0.65275574
0.53703308	0.65275574	0.46606445	0.25080872	-0.54949951
-0.30665771	-0.57336426	-0.50241089	-0.47851563	-0.54949951
-0.30665771	-0.57336426	0.	0.	0.

COMPONENT 40. 1 G-WEIGHTS

0.44471741	0.68969727	0.43820190	0.44602966	0.48132324
0.50090027	0.55551147	0.44357300	-0.53680420	-0.55039978
-0.55499268	-0.55497742	-0.49754333	-0.19764709	-0.55218506
-0.55541992	0.50915527	0.50102234	0.57151794	0.59580994
0.55264282	0.59580994	0.53648376	0.13752747	-0.43984985
-0.48301697	-0.49916077	-0.49916077	-0.53463745	-0.48301697
-0.52648926	-0.53463745	0.	0.	0.

COMPONENT 41. 1 G-WEIGHTS

0.48757935	0.51202393	0.48538208	0.48860168	0.61396790
0.42375183	0.48294067	0.50573730	-0.51271057	-0.52496338
-0.51057434	-0.56245422	-0.52874756	-0.33244324	-0.51132202
-0.51675415	0.64317322	0.64317322	0.50828552	0.43704224
0.65266418	0.51780701	0.46548466	0.15126038	-0.42338562
-0.42338562	-0.55825806	-0.42550659	-0.42338562	-0.55825806
-0.55825806	-0.62953186	0.	0.	0.

COMPONENT 42. 1 G-WEIGHTS

0.46936035	0.44059753	0.48696899	0.50028992	0.41291809
0.49626160	0.67176819	0.52180481	-0.59849548	-0.60212708
-0.64440918	-0.16416931	-0.68252563	-0.63727229	-0.67100525
0.	0.58904607	0.58209229	0.58209229	0.36062458
0.58904607	0.58209229	0.35383606	0.36082458	-0.67430115
-0.44567708	-0.44587708	-0.66419983	-0.43896484	-0.44587708
-0.44587708	-0.43896484	0.	0.	0.

COMPONENT 43. 1 G-WEIGHTS

0.64649963	0.38871765	0.43753052	0.3594285	1.00000000
0.37690735	0.41049194	0.38026428	-0.52609253	-0.40060425
-0.48124695	-0.49191284	-0.52978516	-0.51837158	-0.56546021
-0.48649577	0.66333008	0.66333008	0.68727534	0.47634888
0.44638062	0.53167725	0.53167725	0.	-0.45014954
-0.45014954	-0.64541626	-0.45837402	-0.45014954	-0.45014954
-0.64541626	-0.45014954	0.	0.	0.

COMPONENT 44. 1 G-WEIGHTS

0.50004578	0.49485779	0.50834656	0.56857300	0.45135498
0.48800659	0.49786377	0.49090578	-0.54768372	-0.43133545
-0.55404663	-0.45275879	-0.47836304	-0.53144838	-0.54638677
-0.45796204	0.54206848	0.22032166	0.60212708	0.73158264
0.40985107	0.41824341	0.47314453	0.60261536	-0.34255981
-0.57902577	-0.52418518	-0.39469910	-0.71638489	-0.52418518
-0.52418518	-0.39469910	0.	0.	0.

COMPONENT 45. 1 G-WEIGHTS

0.48428345	0.36111450
0.43666077	0.46195984
-0.53889465	-0.53764343
-0.33197021	0.03575134
0.45355225	0.77111707
-0.41372681	-0.74224854
-0.76113892	-0.41209412

0.79457092
0.44001770
-0.52835087
0.06608582
0.72752380
-0.39485168
0.

0.61141968
-0.59793091
-0.32942200
0.75601196
0.42506409
-0.44052124
0.

0.40994263
-0.53950500
-0.59623718
0.76286316
-0.39485168
-0.44052124
0.

COMPONENT 46. 1 G-WEIGHTS

0.47856140	0.38652039
0.57575989	0.47544861
-0.52172852	-0.48567200
-0.48764038	0.52191162
0.54347229	0.44194031
-0.42378235	-0.42378235
-0.42378235	-0.66680908

0.71495056
0.53152466
-0.37014771
0.15518188
0.56582228
-0.79045105
0.

0.46536255
-0.56582662
-0.54896545
0.78649902
0.19885254
-0.42378235
0.

0.37182617
-0.49807739
-0.52191162
0.78649902
-0.42378235
-0.42378235
0.

COMPONENT 47. 1 G-WEIGHTS

0.47294617	0.45770264
0.41400146	0.44540405
-0.52522278	-0.53007507
-0.39471436	0.
0.65298462	0.55265808
-0.67839399	-0.46765137
-0.58341980	-0.1343689

0.47724915
0.43496704
-0.50161907
0.55265808
0.71914673
-0.1343689
0.

0.46731567
-0.52899170
-0.51211548
0.66595459
0.13743591
-0.46765137
0.

0.83038330
-0.47827148
-0.57915955
0.71914673
-0.49462891
-0.48138428
0.

COMPONENT 48. 1 G-WEIGHTS

0.45249939	0.57189941
0.45971680	0.49171448
-0.19670105	-0.76466370
-0.48759460	0.
0.80433655	0.75048828
-0.46362305	-0.46362305
-0.46362305	-0.68394470

0.38078308
0.43052673
-0.10124207
0.65562439
0.40324402
-0.68394470
0.

0.57133484
-0.48617554
-0.56256104
0.62803650
0.10261536
-0.43513489
0.

0.64149475
-0.70855713
-0.69245911
0.65562439
-0.34248352
-0.46362305
0.

COMPONENT 49. 1 G-WEIGHTS

0.50415039	0.44357605
0.53009033	0.52671814
-0.50354004	-0.52192688
-0.45921326	0.45782471
0.41821289	0.79884338
-0.37373352	-0.82026672
0.37373352	-0.44538879

0.51179504
0.49876404
-0.52073669
0.08294678
0.83787537
-0.78759766
0.

0.40051270
-0.53594971
-0.51527405
0.11555481
0.42398071
-0.41276550
0.

0.53436279
-0.47563171
-0.46768188
0.86473083
-0.41276550
-0.37373352
0.

COMPONENT 50. 1 G-WEIGHTS

0.56632496	0.50409936
0.45198059	0.59646606
-0.53598022	-0.13342285
-0.53175354	0.22296143
0.60490417	0.61183167
-0.40255737	-0.60655212
-0.60655212	-0.58831787

0.52197266
0.38777161
-0.50976563
0.76402283
0.47189026
-0.40255737
0.

0.39909363
-0.60479736
-0.54821777
0.76402283
0.02270508
-0.40255737
0.

0.57225037
-0.59439758
-0.58161926
0.58763123
-0.58831787
-0.40255737
0.

COMPONENT 51. 1 G-WEIGHTS

0.48300171	0.40284729
0.73580933	0.60470581
-0.44794556	-0.60165405
-0.66439819	0.26046753
0.26046753	0.83441162
-0.62979126	-0.62979126
-0.62979126	-0.62979126

0.40284729
0.40284729
-0.29026794
0.69302368
0.55033875
-0.11163330
0.

0.49809265
-0.66207886
-0.62921143
0.83441162
0.30638123
-0.36967468
0.

0.46978760
0.
-0.66439819
0.26046753
-0.36967468
-0.62979126
0.

COMPONENT 52. 1 G-WEIGHTS

0.37419128	0.0738525
0.48335103	0.61535645
-0.46364444	-0.47296143
-0.44687941	0.28089905
0.33496094	0.82910156
-0.36643982	-0.64377136
-0.67377136	-0.57325745

0.65867615
0.51051331
-0.56397681
0.07412720
0.50175476
-0.57325745
0.

0.38114929
-0.46040344
-0.5736877
0.86906433
0.56826782
-0.36643982
0.

0.47006226
-0.56040955
-0.48916626
0.54171753
-0.36643982
-0.36643982
0.

COMPONENT 53. 1 G-WEIGHTS

0.51521301	0.48289490
0.44058533	0.47845459
-0.54109142	-0.49667358
-0.49624634	0.53283691
0.27714534	0.57185364
-0.42549133	-0.42549133
-0.42549133	-0.28718567

0.48991394
0.51200867
-0.53230335
0.53283691
0.66897583
-0.62643433
0.

0.52507019
-0.37104797
-0.50068665
0.09649658
0.80741149
-0.86178589
0.

0.50581360
-0.50653076
-0.54846191
0.51255748
-0.52261353
-0.42549133
0.

COMPONENT 54. 1 G-WEIGHTS

0.44233213	0.60435974
0.44581604	0.54011536
-0.52986165	-0.48521423
-0.52690125	0.00929260
0.57055667	0.69038391
-0.47451355	-0.56037903
-0.47451355	-0.57451355

0.59046936
0.44694519
-0.44760986
0.77395630
0.40066528
-0.29011536
0.

0.48138428
-0.40832520
-0.52510071
0.85543823
0.02366638
-0.56037903
0.

0.44293213
-0.52607727
-0.51487732
0.67601013
-0.57951355
-0.37637329
0.

COMPONENT 55. 1 G-WEIGHTS

0.39390564	0.38415527	0.67710876	0.44802856	0.46046448
0.56871033	0.65138245	0.41622925	-0.48667908	-0.41094971
-0.50958252	-0.55599976	-0.53990173	-0.52754211	-0.54981995
-0.41946411	0.10173035	0.60934448	0.65393066	0.64729309
0.48387146	0.47375488	0.51832581	0.51170349	-0.47810364
-0.47810364	-0.43354797	-0.44017029	-0.61019897	-0.60359192
-0.47810364	-0.47810364	0.	0.	0.

COMPONENT 56. 1 G-WEIGHTS

0.47967529	0.48255920	0.54127502	0.53877258	0.49092102
0.46977234	0.53877258	0.45823669	-0.46003723	-0.45529175
-0.53045354	-0.53278760	-0.59617615	-0.45841980	-0.47355652
-0.49372464	0.73141479	0.21870422	0.25338745	0.30010986
0.181030	0.76609802	0.71505737	0.25338745	-0.80001831
-0.36869812	-0.36869812	-0.41977351	-0.88145447	-0.36869812
-0.41972351	-0.37294006	0.	0.	0.

COMPONENT 57. 1 G-WEIGHTS

0.39741516	0.39741516	0.39741516	0.53785706	0.49757385
0.57231140	0.73820496	0.46176147	-0.45210266	-0.65147400
-0.64898482	-0.12065125	-0.4920984	-0.65147400	-0.36920166
-0.61286926	0.88386536	0.22695923	0.53013611	0.88386536
0.25024414	0.02777100	0.35768127	0.83943176	-0.28457642
-0.73501587	-0.73501587	-0.01566260	-0.73501587	-0.73501587
-0.73501587	-0.02366638	0.	0.	0.

COMPONENT 58. 1 G-WEIGHTS

0.46232605	0.64993286	0.49775696	0.52014160	0.46102905
0.47109985	0.47694397	0.46075439	-0.52740479	-0.52604675
-0.57340698	-0.39045715	-0.57305603	-0.52659607	-0.51914978
-0.46382141	0.72332764	0.31031799	0.75329590	0.35997009
0.45941162	0.35997009	0.31031799	0.72332764	-0.48712158
-0.60627747	-0.50680542	-0.19325256	-0.48712158	-0.60627747
-0.50680542	-0.60627747	0.	0.	0.

COMPONENT 59. 1 G-WEIGHTS

0.52107239	0.45381165	0.50556946	0.46632495	0.48666387
0.52479553	0.50164795	0.54208374	-0.47709656	-0.48143005
-0.48841858	-0.50044250	-0.55369568	-0.49197388	-0.52980042
-0.47709656	0.54338074	0.44950867	0.63792419	0.54403687
0.32183838	0.41571045	0.54403687	0.54338074	-0.73710632
-0.42092896	-0.42092896	-0.51487732	-0.42092896	-0.64317322
-0.42092896	-0.42092896	0.	0.	0.

COMPONENT 60. 1 G-WEIGHTS

0.51393127	0.47985840	0.67858887	0.44538879	0.44676208
0.44541768	0.54776001	0.44206238	-0.20831299	-0.58139038
-0.42140198	-0.58216858	-0.58262634	-0.57171015	-0.47315979
-0.57920837	0.16512634	0.60215759	0.79191589	0.60098267
0.40752847	0.29162598	0.67553711	0.48468018	-0.34005737
-0.60623169	-0.60287476	-0.60623169	-0.60623169	-0.22230530
-0.41313171	-0.60287476	0.	0.	0.

COMPONENT 61. 1 G-WEIGHTS

1.00000000	0.41908264	0.38873291	0.45129395	0.42454529
0.45317078	0.41395569	0.44917297	-0.54669189	-0.50003052
-0.54243469	-0.49453735	-0.50881958	-0.51116943	-0.43968201
-0.45660400	0.62467957	0.68512671	0.68612671	0.34611511
0.62467957	0.68612671	0.34611511	0.	-0.46011353
-0.41720581	-0.71267709	-0.46011353	-0.46011353	-0.46011353
-0.56953430	-0.46011353	0.	0.	0.

COMPONENT 62. 1 G-WEIGHTS

0.48191833	0.46641541	0.45121765	0.48191833	0.46043396
0.67094421	0.48191833	0.50518799	-0.52595520	-0.31311035
-0.53309631	-0.56083679	-0.40011597	-0.53588867	-0.56198120
-0.56896973	0.60180664	0.47279358	0.49647522	0.62551880
0.60180664	0.60180664	0.47279358	0.12698364	-0.45457458
-0.58360291	-0.55989075	-0.45457458	-0.45457458	-0.45457458
-0.45457458	-0.58360291	0.	0.	0.

COMPONENT 63. 1 G-WEIGHTS

0.35890198	0.54937744	0.98133850	0.35368347	0.35568237
0.49456787	0.38252258	0.52389526	-0.54727173	-0.54716497
-0.54597473	-0.46509033	-0.52082725	-0.43244934	-0.47470093
-0.52647400	0.15406799	0.90615845	0.16697693	0.93072510
0.31347656	0.32638550	0.32638550	0.87577820	-0.52777100
-0.51513672	-0.51513672	-0.52777100	-0.52777100	-0.52777100
-0.51513672	-0.34346008	0.	0.	0.

COMPONENT 64. 1 G-WEIGHTS

0.48358154	0.45448303	0.41594360	0.43594360	0.61050415
0.44259644	0.50505066	0.185120	-0.56985474	-0.66047664
-0.66047668	-0.60299683	-0.31690979	-0.61080933	-0.57844543
0.	0.80799866	0.	0.80799866	0.80799866
0.	0.	0.80799866	0.76797485	-0.63932800
0.	-0.68032837	-0.68032837	-0.63932800	0.
-0.68032837	-0.68032837	0.	0.	0.

COMPONENT 65.1 G-WEIGHTS

0.41416731	0.55018616	0.44830327	0.68307495	0.44752502
0.37863159	0.44116211	0.63691711	-0.38456200	-0.40699768
-0.55462546	-0.59133911	-0.52456665	-0.37411449	-0.63787842
-0.52587891	0.46017446	0.27378845	0.71040344	0.77108765
0.46334839	0.50251770	0.56317139	0.25547791	-0.44581604
-0.38517761	-0.69285583	-0.44581604	-0.44581604	-0.69285583
-0.44581604	-0.44581604	0.	0.	0.

COMPONENT 66.1 G-WEIGHTS

1.00000000	0.61386108	0.40252486	0.31974792	0.36985779
0.47505188	0.41145325	0.40747070	-0.53321838	-0.50575256
-0.47717285	-0.52362061	-0.47334290	-0.55451965	-0.41940308
-0.51293945	0.04997253	0.93716431	0.93716431	0.01608776
0.15527344	0.15527344	0.81185913	0.93716431	-0.63357544
-0.79254150	0.	-0.63357544	-0.63357544	0.
-0.63357544	-0.67314148	0.	0.	0.

COMPONENT 67.1 G-WEIGHTS

0.37203479	0.33862305	0.35684204	0.49186707	0.70535278
0.53431762	0.38186846	0.81887817	-0.50457764	-0.57729614
-0.51850891	-0.50027466	-0.32292175	-0.48698425	-0.57461948
-0.51959229	0.24417114	0.75148010	0.75148010	0.75148010
0.60829163	0.35481262	0.33447754	0.19876099	-0.44042969
-0.44042969	-0.31585693	-0.44042969	-0.44042969	-0.59463501
-0.74789273	-0.57994080	0.	0.	0.

COMPONENT 68.1 G-WEIGHTS

0.49963379	0.55377197	0.49876404	0.49035645	0.48881531
0.49174500	0.49047852	0.48631287	-0.49017334	-0.50077820
-0.49598694	-0.50971985	-0.50152588	-0.50366211	-0.49579355
-0.51046753	0.65937805	0.38896179	0.29228210	0.65937805
0.37371826	0.30749512	0.65937805	0.65937805	-0.62612911
-0.54464722	-0.61088562	-0.25904846	-0.54464722	-0.52940369
-0.62612915	-0.25904846	0.	0.	0.

COMPONENT 69.1 G-WEIGHTS

0.43220520	0.66558838	0.40783691	0.37509155	0.74247742
0.41558838	0.50135803	0.45980835	-0.51419556	-0.58573914
-0.58413696	-0.28466797	-0.37303167	-0.55725098	-0.55358355
-0.54235840	0.04110718	0.02742004	0.91552734	0.44140625
0.81112671	0.91552734	0.43695068	0.41088667	-0.46687317
-0.86349487	-0.44218445	-0.24307251	-0.46687317	-0.80749512
-0.24307251	-0.46687317	0.	0.	0.

COMPONENT 70.1 G-WEIGHTS

0.49238586	0.51243541	0.49845886	0.54463359	0.49238586
0.49388123	0.47355652	0.49238586	-0.55456543	-0.51416016
-0.49688884	-0.54745483	-0.55271912	-0.55456543	-0.57963562
-0.20016479	0.71913147	0.20489502	0.28085327	0.79512024
0.74453135	0.23028564	0.25546265	0.76968384	-0.08795168
-0.60220337	-0.55163574	-0.55163574	-0.55163574	-0.55163574
-0.55163574	-0.55163574	0.	0.	0.

COMPONENT 71.1 G-WEIGHTS

0.53567505	0.52392578	0.49940491	0.49780273	0.51188660
0.52169400	0.43237305	0.47720137	-0.46163940	-0.53921509
-0.48698425	-0.47489929	-0.53767395	-0.48832703	-0.48989868
-0.52133179	0.61013794	0.24966956	0.28776550	0.31123352
0.64871216	0.62521362	0.63311768	0.58802795	-0.74978638
-0.39028931	-0.43533325	-0.1377758	-0.74978638	-0.39028931
-0.43533325	-0.43533325	0.	0.	0.

COMPONENT 72.1 G-WEIGHTS

0.51118469	0.49598694	0.56300354	0.49890137	0.44505310
0.43487549	0.55496216	0.49598694	-0.40296936	-0.52685547
-0.54494817	-0.53533936	-0.50205994	-0.60020447	-0.53533936
-0.35220337	0.04901123	0.71838779	0.71376038	0.36399841
0.36863708	0.59851074	0.59382629	0.59382629	-0.17807007
-0.52777100	-0.48840332	-0.48840332	-0.48840332	-0.49305725
-0.48840332	-0.48840332	0.	0.	0.

COMPONENT 1.2 G-WEIGHTS

0.40000000	-0.50000000	0.	0.61903381	0.52355957
0.54240417	0.62794695	0.71353149	0.87489319	0.50292969
0.44673157	0.11240823	0.96160889	0.52807617	0.58212280
0.29371643	1.00000000	1.00000000	0.98229980	0.13026428
0.	0.13961792	0.33850098	0.65414429	0.
0.50785991	0.68861874	0.06173990	0.59544373	0.38560486
7.00000000	0.77244568	0.61322621	1.00000000	1.00000000
0.13343567	0.20893880	0.80551147	1.00000000	0.43420410
0.28662213	1.00000000	1.00000000	1.00000000	0.37899780
0.58613154	0.	0.73533630	0.	0.99324036
1.00000000	0.47239685	0.98320007	0.45520020	0.
0.52851868	0.02690098	1.00000000	0.38232422	0.
0.13768005	0.	0.24747767	0.	0.99302673
-0.66487939	-0.58563232	-0.53718573	0.03936768	-0.53996277
-0.53274536	-0.57914734	-0.46177319	-0.13543701	-0.91676331
-0.94779988	-0.4494768	-0.76463318	-0.66320801	0.
-0.91756150	-0.31840352	-0.47919312	-0.94587708	-0.46818542
-1.44554138	-0.84953735	-0.47434336	-0.82513628	-0.55488586
-0.87749688	-0.2100369	-0.75588314	-0.94779988	0.
-0.10394287	-0.7373521	0.61147775	0.43263245	0.54502869
-0.13800294	-0.64475037	-0.66825886	-0.45428667	0.83950961
-0.54985657	0.84966531	0.48772286	-0.61758423	0.64505006
0.7714576	0.13543701	-0.29641124	-0.74212952	-0.36510522
0.54267305	0.9013678	0.24933111	0.	0.72660828
-0.14212752	0.	0.84417888	0.84417888	0.04212952
-0.1348359	0.	0.	0.	0.69403748

COMPONENT 2.2 G-WEIGHTS

0.50000000	-0.50000000	0.79731750	0.	0.09835815
0.	0.14979553	0.20027161	0.14599609	0.
0.	0.75440979	0.34326177	0.58903503	0.
0.53344727	0.55513000	0.60548401	0.	0.89759827
0.87940979	0.98994446	0.94822693	0.	0.73352666
0.95108032	0.63440857	0.87940979	0.30314636	0.42070007
0.94822693	0.92401123	0.64549255	0.04093933	0.
0.61723328	0.51843262	0.	0.89759827	0.11547852
0.79121399	0.	0.94822693	0.94822693	0.42091370
0.89759827	0.98994446	0.88417053	0.	0.66921997
0.	0.71731567	0.18914795	0.	0.75585938
0.	0.83383179	0.82771301	0.07591248	0.66432190
0.44815063	0.90269470	0.34585571	0.36192322	0.88629150
-0.99967957	-0.80825806	-0.87875366	0.92401123	-0.2315430
-0.87966919	-0.04211426	-0.41293335	-0.92979431	-0.84419250
-0.49475098	-0.25395203	-0.99967957	-0.95257957	-0.98287964
-0.04211426	-0.64462200	-0.30195618	-0.65083313	-0.1194744
0.	-0.04211426	-0.60095215	-0.34999084	-0.14451599
-0.06835938	-0.13021851	-0.14451599	-0.56823730	-0.10925293
-0.99967957	-0.30944824	-0.07728577	-0.99967957	-0.26329041
-0.22172546	-0.35037231	-0.86589050	-0.99967957	-0.99967957
-0.04211426	-0.58891296	-0.21524048	-0.99967957	-0.99967957
-0.99967957	-0.99967957	-0.11645508	-0.99967957	-0.12818909
-0.99967957	-0.07728577	-0.44407654	0.	-0.07728577
-0.43458557	-0.48637390	-0.41268921	-0.89222717	-0.19941711
-0.14451599	0.	0.	-0.93696594	-0.04211426

MINPS=00000000010 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.35817437
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.61771074
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.87724711
 ** CONTROL=00000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.87724711

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.8194884
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.1010528	18. 1	0.1003260	19. 1	0.	20. 1	0.
21. 1	0.5929533	22. 1	0.7826257	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.7902155	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.4320761	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.3672326	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.5929723	58. 1	0.1396624	59. 1	0.	60. 1	0.1344327
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.5761901
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=00000000005
 4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.49999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0195116	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.01951								
SUM NO. 2 IS	0.								

*** 61 INPUT H3 IDENTIFICATION CORRECT
 MINPS=00000000007 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.48307796
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.00505014
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.52702732
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.26603623
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.26603623

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1226479	4. 1	0.5409186	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.8019515
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.5131714	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.0528641	28. 1	0.2094394	29. 1	0.0717395	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.7195730
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.2220883	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.1056129	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.5313574
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.70515406
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.10287704
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.89143853
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.95215778
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.87679815
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.87679815

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	2	0.3741974	2	2	0.6699236	0	0	0	0	0	0
2	15	0.37420									
2	15	0.66992									

*** 62 INPUT V3 IDENTIFICATION CORRECT
 MINPS=00000000006 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.11294673
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.23703223
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.36111774
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.29907499
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.29907499

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.8849361	10. 1	0.5140450
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.1509262	15. 1	0.
16. 1	0.3357891	17. 1	0.3641726	18. 1	0.0125391	19. 1	0.	20. 1	0.
21. 1	0.0334644	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.1735602	27. 1	0.	28. 1	0.	29. 1	0.4275836	30. 1	0.
31. 1	0.3326684	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.3793367	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.0136273	45. 1	0.
46. 1	0.	47. 1	0.0486981	48. 1	0.	49. 1	0.0776192	50. 1	0.
51. 1	0.4694936	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0129147	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.0124645	68. 1	0.	69. 1	0.	70. 1	0.2623674
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.3832059

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -5.96200275
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.23106138
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.86550069
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.18275034
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.52412552
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.35343793
 ** CONTROL=00000000007
 7 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.35343793

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	2	1.0626476	2	2	0.	0	0	0.
2	15	1.06270						
2	15	0.						

*** 63 INPUT M4 IDENTIFICATION CORRECT
 MINPS=00000000005 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.43367051
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.94739207
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.54111363
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.26425286
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 RIAS = -1.26425286

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.6868979	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.6003018
21. 1	0.	22. 1	0.0118176	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0103176	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.7050572	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.7583191
46. 1	0.4114755	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2707949
51. 1	0.6768823	52. 1	0.4507750	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.7244560	68. 1	0.	69. 1	0.6088493	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.16436063
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.3287127
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.3287127

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
 SUM NO. 2 IS 1.00000

*** 64 INPUT V4 IDENTIFICATION CORRECT
 MINPS=00000000064 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06782120
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.23027707
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.64904664
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.35843393
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.21312758
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.28578076
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.32210734
 ** CONTROL=000000000007
 7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.32210734

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0831299	2. 1	0.2495119	3. 1	0.3008617	4. 1	0.0593282	5. 1	0.
6. 1	0.0342653	7. 1	0.	8. 1	0.	9. 1	0.3681388	10. 1	0.2384678
11. 1	0.0596045	12. 1	0.	13. 1	0.	14. 1	0.1315851	15. 1	0.0782590
16. 1	0.2311660	17. 1	0.	18. 1	0.1192173	19. 1	0.	20. 1	0.1783085
21. 1	0.	22. 1	0.	23. 1	0.0568076	24. 1	0.3714395	25. 1	0.
26. 1	0.0842589	27. 1	0.	28. 1	0.	29. 1	0.1365009	30. 1	0.1424525
31. 1	0.0861796	32. 1	0.	33. 1	0.	34. 1	0.1416027	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.1214049	42. 1	0.1982459	43. 1	0.1495701	44. 1	0.0988512	45. 1	0.0912630
46. 1	0.1033704	47. 1	0.1033558	48. 1	0.	49. 1	0.0359876	50. 1	0.1125644
51. 1	0.	52. 1	0.0447025	53. 1	0.0129104	54. 1	0.	55. 1	0.0192107
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0262750	60. 1	0.
61. 1	0.1978395	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.0675351
66. 1	0.	67. 1	0.3284317	68. 1	0.	69. 1	0.1002505	70. 1	0.
71. 1	0.0157817	72. 1	0.0320543	0. 0	0.	0. 0	0.	0. 0	0.

0 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0593695	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
 SUM NO. 2 IS 1.05937

*** 65 INPUT M5 IDENTIFICATION INCORRECT.
 MINPS=00000000004 NCYCS=00000000013 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 5.86099309
 ** CONTROL=000000000003

ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 3.03466320
 ** CONTROL=0000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.62149826
 ** CONTROL=0000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.91491579
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.56162456
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.38497895
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.47330175
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.42914036
 ** CONTROL=0000000007
 10 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.42914036

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1672027	2. 1	0.1232721	3. 1	0.1578461	4. 1	0.1397897	5. 1	0.
6. 1	0.1361624	7. 1	0.	8. 1	0.0277917	9. 1	0.2749674	10. 1	0.1232333
11. 1	0.1124650	12. 1	0.1260543	13. 1	0.0968052	14. 1	0.0867800	15. 1	0.0706643
16. 1	0.0634183	17. 1	0.0881742	18. 1	0.0988715	19. 1	0.	20. 1	0.0783448
21. 1	0.	22. 1	0.	23. 1	0.1567781	24. 1	0.0845679	25. 1	0.0989996
26. 1	0.1879277	27. 1	0.	28. 1	0.	29. 1	0.0569385	30. 1	0.1200550
31. 1	0.1664563	32. 1	0.	33. 1	0.	34. 1	0.1513243	35. 1	0.
36. 1	0.	37. 1	0.0426885	38. 1	0.	39. 1	0.	40. 1	0.0259966
41. 1	0.0837860	42. 1	0.0848195	43. 1	0.1353941	44. 1	0.1146442	45. 1	0.1661297
46. 1	0.1195387	47. 1	0.1156511	48. 1	0.	49. 1	0.0894727	50. 1	0.0996795
51. 1	0.	52. 1	0.0864617	53. 1	0.1216744	54. 1	0.	55. 1	0.1132544
56. 1	0.0900333	57. 1	0.	58. 1	0.	59. 1	0.1072379	60. 1	0.
61. 1	0.2252344	62. 1	0.	63. 1	0.0396087	64. 1	0.	65. 1	0.1217613
66. 1	0.	67. 1	0.1216187	68. 1	0.0359474	69. 1	0.1225255	70. 1	0.
71. 1	0.1135442	72. 1	0.1222143	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=0000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.26687662
 ** CONTROL=0000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.88343832
 ** CONTROL=0000000007
 3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.88343832

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.1810251	2. 2	0.7781097	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.18103								
SUM NO. 2 IS	0.77811								

*** 66 INPUT MS NOTIFICATION INCORRECT.
 MINPS=0000000004 NCYCS=0000000012 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.48611103
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.57569052
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.43090078
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.50850591
 ** CONTROL=0000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.50850591

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2439471	2. 1	0.0978345	3. 1	0.0711136	4. 1	0.0872511	5. 1	0.
6. 1	0.0891580	7. 1	0.	8. 1	0.0872758	9. 1	0.2507827	10. 1	0.1007637
11. 1	0.0798413	12. 1	0.0703224	13. 1	0.0448942	14. 1	0.0845951	15. 1	0.0664171
16. 1	0.0963617	17. 1	0.0939266	18. 1	0.0862830	19. 1	0.0698302	20. 1	0.0793310
21. 1	0.	22. 1	0.	23. 1	0.1388409	24. 1	0.0965568	25. 1	0.0894890
26. 1	0.1435727	27. 1	0.	28. 1	0.	29. 1	0.0780787	30. 1	0.0907808
31. 1	0.0526484	32. 1	0.0621778	33. 1	0.	34. 1	0.0975614	35. 1	0.
36. 1	0.	37. 1	0.0703791	38. 1	0.	39. 1	0.	40. 1	0.0863048
41. 1	0.0662236	42. 1	0.1072432	43. 1	0.0950122	44. 1	0.1138047	45. 1	0.1245276
46. 1	0.0950046	47. 1	0.1244801	48. 1	0.	49. 1	0.0785646	50. 1	0.0635574
51. 1	0.0411652	52. 1	0.0815694	53. 1	0.0905784	54. 1	0.	55. 1	0.0894337
56. 1	0.0711240	57. 1	0.	58. 1	0.	59. 1	0.1009249	60. 1	0.
61. 1	0.1604260	62. 1	0.	63. 1	0.0819606	64. 1	0.	65. 1	0.0941385
66. 1	0.	67. 1	0.0943590	68. 1	0.0724514	69. 1	0.1192338	70. 1	0.
71. 1	0.0932221	72. 1	0.0862318	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=0000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 3.18537143
 ** CONTROL=0000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.94268573
 ** CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.27134288
 ** CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.83567145
 ** CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.00350717
 ** CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.91948931
 ** CONTROL=0000000007
 7 BIAS CHANGES

LEVEL 2 MS = 0.0100000 BIAS = 0.91958931

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 15	1. 2	0.572093	2 15	2. 2	0.4240527	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
2 15	2. 15	0.42405									

*** 67 INPUT M5 IDENTIFICATION CORRECT
 MIMPS=00000000003 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39390813
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.87978290
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.36565767
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.12272029
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.2000000 BIAS = -1.12272029

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 15	1. 1	0.	2 15	2. 1	0.4738061	3 15	3. 1	0.	4 15	4. 1	0.
2 15	6. 1	0.	7 15	7. 1	0.	8 15	8. 1	0.3769263	9 15	9. 1	0.
3 15	11. 1	0.	12 15	12. 1	0.	13 15	13. 1	0.	14 15	14. 1	0.
4 15	16. 1	0.	17 15	17. 1	0.	18 15	18. 1	0.	19 15	19. 1	0.
5 15	21. 1	0.	22 15	22. 1	0.	23 15	23. 1	0.	24 15	24. 1	0.
6 15	26. 1	0.8707113	27 15	27. 1	0.	28 15	28. 1	0.	29 15	29. 1	0.
7 15	31. 1	0.	32 15	32. 1	0.	33 15	33. 1	0.	34 15	34. 1	0.7362751
8 15	36. 1	0.	37 15	37. 1	0.	38 15	38. 1	0.	39 15	39. 1	0.62193
9 15	41. 1	0.	42 15	42. 1	0.	43 15	43. 1	0.	44 15	44. 1	0.
10 15	46. 1	0.	47 15	47. 1	0.	48 15	48. 1	0.	49 15	49. 1	0.
11 15	51. 1	0.	52 15	52. 1	0.	53 15	53. 1	0.	54 15	54. 1	0.
12 15	56. 1	0.	57 15	57. 1	0.	58 15	58. 1	0.	59 15	59. 1	0.
13 15	61. 1	0.	62 15	62. 1	0.	63 15	63. 1	0.2841470	64 15	64. 1	0.
14 15	66. 1	0.	67 15	67. 1	0.6414612	68 15	68. 1	0.	69 15	69. 1	0.
15 15	71. 1	0.	72 15	72. 1	0.	0. 0	0. 0	0.	0. 0	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.32904133
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.91452067
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.12178099
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 2 MS = 0.0100000 BIAS = -1.12178099

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 15	1. 2	0.	2 15	2. 2	1.0020080	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
2 15	2. 15	1.00201									

*** 68 INPUT V5 IDENTIFICATION CORRECT
 MIMPS=00000000002 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.02281575
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.07268353
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 1 MS = 0.2000000 BIAS = 0.07268353

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 15	1. 1	0.1738322	2 15	2. 1	0.1306314	3 15	3. 1	0.1779812	4 15	4. 1	0.2907663
2 15	6. 1	0.6560995	7 15	7. 1	0.	8 15	8. 1	0.3413848	9 15	9. 1	0.
3 15	11. 1	0.	12 15	12. 1	0.1118974	13 15	13. 1	0.	14 15	14. 1	0.1814771
4 15	16. 1	0.	17 15	17. 1	0.	18 15	18. 1	0.	19 15	19. 1	0.1600951
5 15	21. 1	0.	22 15	22. 1	0.	23 15	23. 1	0.	24 15	24. 1	0.
6 15	26. 1	0.	27 15	27. 1	0.1573623	28 15	28. 1	0.	29 15	29. 1	0.1226384
7 15	31. 1	0.	32 15	32. 1	0.	33 15	33. 1	0.0135485	34 15	34. 1	0.4723375
8 15	36. 1	0.1571879	37 15	37. 1	0.	38 15	38. 1	0.	39 15	39. 1	0.0895220
9 15	41. 1	0.	42 15	42. 1	0.2220686	43 15	43. 1	0.	44 15	44. 1	0.1133019
10 15	46. 1	0.0788149	47 15	47. 1	0.0433868	48 15	48. 1	0.	49 15	49. 1	0.1961429
11 15	51. 1	0.	52 15	52. 1	0.	53 15	53. 1	0.	54 15	54. 1	0.
12 15	56. 1	0.	57 15	57. 1	0.	58 15	58. 1	0.	59 15	59. 1	0.
13 15	61. 1	0.1674766	62 15	62. 1	0.	63 15	63. 1	0.	64 15	64. 1	0.
14 15	66. 1	0.7095772	67 15	67. 1	0.	68 15	68. 1	0.	69 15	69. 1	0.0095387
15 15	71. 1	0.	72 15	72. 1	0.0966897	0. 0	0. 0	0.	0. 0	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.37453232
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.74918467
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.56188850
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.65553658
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 2 MS = 0.0000000 BIAS = 0.25553634

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 2	0.0463637	0. 0	0.	0. 0	0.
SUM NO. 1 15	0.70635						
SUM NO. 2 15	0.04636						

*** 69 INPUT NO IDENTIFICATION CORRECT
 MINPS=00000000014 NCYES=00000000014 INEICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.45950407
 CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.02955212
 CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.59959921
 CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.31457567
 CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.17206390
 CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.24331478
 CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.2433197-

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3136159	3. 1	0.	4. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.
31. 1	0.3939050	32. 1	0.	33. 1	0.	34. 1	0.
36. 1	0.2007747	37. 1	0.	38. 1	0.	39. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.
61. 1	0.	62. 1	0.7141972	63. 1	0.	64. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.47289456
 CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.94578916
 CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.94578916

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.
SUM NO. 1 15	0.						
SUM NO. 2 15	1.00000						

*** 70 INPUT NO IDENTIFICATION CORRECT
 MINPS=00000000014 NCYES=00000000014 INEICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.00454712
 CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.58998166
 CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.87541620
 CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.16085075
 CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.01613348
 CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.94677484
 CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.94677484

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.
6. 1	0.0004688	7. 1	0.	8. 1	0.	9. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.
26. 1	0.	27. 1	0.9091551	28. 1	0.	29. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.
36. 1	0.8638425	37. 1	0.	38. 1	0.	39. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.
66. 1	1.0348460	67. 1	0.	68. 1	0.	69. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49949996
 CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49949998
 CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49949991
 CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99949991
 CONTROL=00000000005

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.7499791
** CONTROL=00000000005
6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 IS	1	0.9361377	2	2	0.	0	0	0.	0	0	0.
2 IS	2	0.									

*** 71 INPUT H1 IDENTIFICATION CORRECT
MINPS=00000000013 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.38233471
** CONTROL=00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.17896156
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.97558841
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.57727499
** CONTROL=00000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.37811829
** CONTROL=00000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.47769664
** CONTROL=00000000007
6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.47769664

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.6469429	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.5143626
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.5996445
31. 1	0.1685954	32. 1	0.1468699	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.6419428	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.1847987	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4805503	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.5798519	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.08296965
** CONTROL=00000000001
1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.08296965

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 IS	1	0.	2	2	1.0829697	0	0	0.	0	0	0.
2 IS	2	1.08297									

*** 72 INPUT V1 IDENTIFICATION CORRECT
MINPS=00000000012 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.30773838
** CONTROL=00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.55928855
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.81083871
** CONTROL=00000000003
3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.81083871

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.1789153	20. 1	0.
21. 1	0.	22. 1	0.7366295	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.4434347	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.4023685	37. 1	0.	38. 1	0.4099385	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.0277449	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.0124220	55. 1	0.
56. 1	0.	57. 1	0.7265110	58. 1	0.	59. 1	0.	60. 1	0.1014929
61. 1	0.	62. 1	0.	63. 1	0.5380055	64. 1	1.1826247	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.2378065	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.97412200
** CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.00141242
** CONTROL=00000000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.02870283
** CONTROL=00000000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.51505122
** CONTROL=00000000007
4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.51505762

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 2	0.	3. 0	0.	4. 0	0.	5. 0	0.
6. 1	1.0725825	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	1.07258	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

*** 73 INPUT M2 IDENTIFICATION CORRECT
 MINPS=00000000011 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.38196200
 CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.92485471
 CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.46772742
 CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.19629107
 CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.33200924
 CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.26415016
 CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.26415016

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.7720066	17. 1	0.	18. 1	0.	19. 1	0.0388875	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.2016886	24. 1	0.7139267	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.4259925	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.6247653	42. 1	0.7253634	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.7351133	48. 1	0.6718154	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.0749462	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.2456886	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.09369601
 CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.09369601

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0936960	3. 0	0.	4. 0	0.	5. 0	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

*** 74 INPUT V2 IDENTIFICATION CORRECT
 MINPS=00000000010 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.38599005
 CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.70027988
 CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.01456970
 CONTROL=00000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.01456970

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.6947230
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.1111168	18. 1	0.0918539	19. 1	0.	20. 1	0.
21. 1	0.4402655	22. 1	0.6817482	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.7643342	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.3315603	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.1595443	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.5691105	58. 1	0.1053928	59. 1	0.	60. 1	0.0967221
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.6808722
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 CONTROL=00000000005
 4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.49999991

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 IS	1. 2	1.0886141	2 IS	2. 2	0.	0. 0	0.	0.	0. 0	0.	0.
2 IS	2. 15	1.08861									

*** 75 INPUT M3 IDENTIFICATION CORRECT
 MINPS=00000000007 NCYLS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.48976134
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.02490331
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.56004529
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.29247430
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.29247430

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1046274	4. 1	0.5991624	5. 1	0.
6. 1	0.7298734	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.8339637
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.5831514	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1774966	29. 1	0.0264028	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.8101933
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.1835785	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.1178057	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.6328676
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.93362999
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.21681499
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.85840750
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.85840750

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 IS	1. 2	0.3376555	2 IS	2. 2	0.6169885	0. 0	0.	0.	0. 0	0.	0.
2 IS	2. 15	0.33766									
		0.61649									

*** 76 INPUT V3 IDENTIFICATION CORRECT
 MINPS=C0000000006 NCYLS=00000000014 INDICT=00000000000

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.13654135
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.30859594
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.48065053
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39462323
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.39462323

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.4802328
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.4921870	15. 1	0.
16. 1	0.3083216	17. 1	0.5505735	18. 1	0.0011216	19. 1	0.1478974	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.0665334	27. 1	0.	28. 1	0.4828728	29. 1	0.	30. 1	0.
31. 1	0.3569516	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.6384131	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.0571027	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.5242543	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.2518260
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.4817334
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -8.63930891
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -5.06965446
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.28482720
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.39241359
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 2 MS = 0.0100000 BIAS = -2.39241359

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9847258	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.98473								
SUM NO. 2 IS	0.								

*** 77 INPUT M4 IDENTIFICATION CORRECT
 MINPS=00000000005 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.43928435
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.13072556
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.82216677
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.47644617
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.30358587
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.39001602
 ** CONTROL=00000000007
 ** BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.39001602

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.5902853	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6782664
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.1078910	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.7432905
46. 1	0.3893268	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.1266499
51. 1	0.7184923	52. 1	0.4748273	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6805518	68. 1	0.	69. 1	0.6369320	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.05947460
 ** CONTROL=00000000001
 ** BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.05947460

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0594746	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.05947								

*** 78 INPUT V4 IDENTIFICATION CORRECT
 MINPS=00000000004 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06773186
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.19421899
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.63097538
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.34935363
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20854275
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.27894819
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.31415090
 ** CONTROL=00000000007
 ** BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.31415090

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0974744	2. 1	0.2945051	3. 1	0.274839	4. 1	0.0443349	5. 1	0.
6. 1	0.2921767	7. 1	0.	8. 1	0.1432547	9. 1	0.3879682	10. 1	0.2441345
11. 1	0.0181792	12. 1	0.	13. 1	0.	14. 1	0.0890583	15. 1	0.1537740
16. 1	0.2918773	17. 1	0.0749203	18. 1	0.0924315	19. 1	0.	20. 1	0.1649735
21. 1	0.	22. 1	0.	23. 1	0.0312256	24. 1	0.4073437	25. 1	0.
26. 1	0.0210947	27. 1	0.	28. 1	0.	29. 1	0.1660976	30. 1	0.1289577
31. 1	0.0294885	32. 1	0.	33. 1	0.	34. 1	0.1292569	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0666896	42. 1	0.2409237	43. 1	0.1248433	44. 1	0.0630448	45. 1	0.1299187
46. 1	0.1279053	47. 1	0.0547338	48. 1	0.	49. 1	0.	50. 1	0.2319957
51. 1	0.0195469	52. 1	0.0542568	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1546809	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.0361442
66. 1	0.	67. 1	0.2775100	68. 1	0.	69. 1	0.1962578	70. 1	0.
71. 1	0.	72. 1	0.0570766	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.16300330
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.32600661
 ** CONTROL=00000000003
 ** BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.32600661

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	2	0.	2	2	1.000000	0	0	0.	0	0	0.
2	15	0.									
2	15	1.00000									

*** 79 INPUT MS IDENTIFICATION INCORRECT
 MINPS=00000000004 NCYCS=00000000013 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
 ** CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 4.57483953
 ** CONTROL=00000000003

ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.39158642
 ** CONTROL=00000000003

ARITHMETIC OVERFLOW OCCURED AT LOC 22054
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.29995987
 ** CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.75414659
 ** CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.48123996
 ** CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.34478664
 ** CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.41301329
 ** CONTROL=00000000007

9 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.41301329

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1	0.1614981	2	0.0921058	3	0.1574847	4	0.1365747	5	0.
6	0.1822764	7	0.	8	0.1294027	9	0.2662513	10	0.1383988
11	0.0932380	12	0.0922145	13	0.0309844	14	0.0999840	15	0.0577970
16	0.0377609	17	0.1488866	18	0.0893246	19	0.	20	0.0425094
21	0.	22	0.	23	0.1477161	24	0.0421508	25	0.1247454
26	0.1693132	27	0.	28	0.	29	0.0149705	30	0.1192003
31	0.1614030	32	0.	33	0.	34	0.1587213	35	0.
36	0.	37	0.0985577	38	0.	39	0.	40	0.0425064
41	0.1129199	42	0.0579886	43	0.1344922	44	0.0765266	45	0.1911256
46	0.0831898	47	0.1270191	48	0.	49	0.1012554	50	0.0597635
51	0.0787970	52	0.0936832	53	0.1099507	54	0.	55	0.1012794
56	0.0435670	57	0.	58	0.	59	0.0767294	60	0.
61	0.2149898	62	0.	63	0.0097747	64	0.	65	0.1317294
66	0.	67	0.1333456	68	0.	69	0.1434976	70	0.
71	0.0692328	72	0.0855158	0	0.	0	0.	0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.42574501
 ** CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.74215127
 ** CONTROL=00000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.58404915
 ** CONTROL=00000000007

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.58404915

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	2	0.2210455	2	2	0.7321591	0	0	0.	0	0	0.
1	15	0.22109									
2	15	0.73216									

*** 80 INPUT MS IDENTIFICATION INCORRECT
 MINPS=00000000004 NCYCS=00000000012 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
 ** CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.48611103
 ** CONTROL=00000000001

3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.48611103

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1	0.2253434	2	0.0901064	3	0.0610732	4	0.0735541	5	0.
6	0.0781354	7	0.	8	0.0981091	9	0.2764937	10	0.0989141
11	0.0699037	12	0.0849726	13	0.0761446	14	0.0752001	15	0.0494594
16	0.0803073	17	0.1506328	18	0.0875198	19	0.0217592	20	0.0801420
21	0.	22	0.	23	0.1050167	24	0.0829563	25	0.0800747
26	0.1328659	27	0.	28	0.	29	0.0834163	30	0.059632
31	0.0481138	32	0.	33	0.	34	0.0944132	35	0.
36	0.	37	0.1019301	38	0.	39	0.0030428	40	0.0917161
41	0.0807045	42	0.0986806	43	0.0818443	44	0.0968594	45	0.0959942
46	0.0899465	47	0.1087570	48	0.	49	0.0684151	50	0.0573403
51	0.0600520	52	0.0736888	53	0.0672673	54	0.	55	0.0889144
56	0.0670627	57	0.	58	0.	59	0.0971555	60	0.
61	0.1895072	62	0.	63	0.0843028	64	0.	65	0.0854725
66	0.	67	0.0557328	68	0.0041381	69	0.0772775	70	0.0124347
71	0.0918211	72	0.0936624	0	0.	0	0.	0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.11618145
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.80809073
 ** CONTROL=00000000007
 3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.80809073

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 IS	1	0.6118532	2 2	2	0.4522841	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
2 IS	2	0.61145									
2 IS	2	0.45228									

*** B1 INPUT H5 IDENTIFICATION CORRECT
 MINPS=00000000003 NLYCS=00000000014 INDIC=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39626865
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.90317564
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.41008262
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.15662913
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.15662913

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 1	1	0.	2 1	1	0.5940373	3 1	1	0.	4 1	1	0.
6 1	1	0.	7 1	1	0.	8 1	1	0.4144495	9 1	1	0.
11 1	1	0.	12 1	1	0.	13 1	1	0.	14 1	1	0.
16 1	1	0.	17 1	1	0.	18 1	1	0.	19 1	1	0.
21 1	1	0.	22 1	1	0.	23 1	1	0.	24 1	1	0.
26 1	1	0.6403726	27 1	1	0.	28 1	1	0.	29 1	1	0.
31 1	1	0.	32 1	1	0.	33 1	1	0.	34 1	1	0.
36 1	1	0.	37 1	1	0.	38 1	1	0.	39 1	1	0.8040109
41 1	1	0.	42 1	1	0.	43 1	1	0.	44 1	1	0.8545938
46 1	1	0.	47 1	1	0.	48 1	1	0.	49 1	1	0.
51 1	1	0.	52 1	1	0.	53 1	1	0.	54 1	1	0.
56 1	1	0.	57 1	1	0.	58 1	1	0.	59 1	1	0.
61 1	1	0.	62 1	1	0.	63 1	1	0.2539579	64 1	1	0.
66 1	1	0.	67 1	1	0.6253444	68 1	1	0.	69 1	1	0.
71 1	1	0.	72 1	1	0.	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.07411356
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.07411356

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 IS	1	0.	2 2	2	0.9603863	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
2 IS	2	0.96039									

*** B2 INPUT V5 IDENTIFICATION CORRECT
 MINPS=00000000002 NLYCS=00000000014 INDIC=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.02104196
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.06272620
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.06272620

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 1	1	0.0370208	2 1	1	0.0948612	3 1	1	0.1008991	4 1	1	0.
6 1	1	0.7931752	7 1	1	0.	8 1	1	0.5173703	9 1	1	0.
11 1	1	0.	12 1	1	0.1386222	13 1	1	0.	14 1	1	0.
16 1	1	0.	17 1	1	0.	18 1	1	0.	19 1	1	0.
21 1	1	0.	22 1	1	0.	23 1	1	0.	24 1	1	0.
26 1	1	0.	27 1	1	0.2569368	28 1	1	0.	29 1	1	0.
31 1	1	0.	32 1	1	0.	33 1	1	0.	34 1	1	0.
36 1	1	0.0619553	37 1	1	0.	38 1	1	0.	39 1	1	0.2647223
41 1	1	0.	42 1	1	0.2670001	43 1	1	0.	44 1	1	0.1206348
46 1	1	0.	47 1	1	0.	48 1	1	0.	49 1	1	0.
51 1	1	0.	52 1	1	0.	53 1	1	0.	54 1	1	0.
56 1	1	0.	57 1	1	0.	58 1	1	0.	59 1	1	0.
61 1	1	0.1504250	62 1	1	0.	63 1	1	0.	64 1	1	0.
66 1	1	0.9016675	67 1	1	0.	68 1	1	0.	69 1	1	0.
71 1	1	0.	72 1	1	0.0056822	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.13205881
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.26411764
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.26411764

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.000000	2. 2	0.	0. C	0.	0. 0	0.	0. 0	0.
SUM NO.	1 IS	1.00000							
SUM NO.	2 IS	C.							

*** 83 INPUT M6 IDENTIFICATION CORRECT
 MINPS=0000000001 NCYCS=0000000014 INDICT=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.47922647
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.11203447
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.74484247
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.42843847
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.27023648
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.34933747
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.30978698
 ** CONTROL=00000000007
 7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.30978698

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2700198	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.7006494	13. 1	0.	14. 1	0.1798816	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2752720
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.4167497	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.2283891	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.0957948	44. 1	0.3192556	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1809643	55. 1	0.7668499
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.7391454	63. 1	0.2716016	64. 1	0.	65. 1	0.5953793
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.73254769
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.11627384
 ** CONTROL=00000000007
 3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.11627384

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0951338	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO.	1 IS	0.							
SUM NO.	2 IS	1.09513							

*** 84 INPUT V6 IDENTIFICATION CORRECT
 MINPS=00000000014 NCYCS=0000000014 INDICT=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.30792962
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.59987184
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.89181407
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.18375629
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.03778519
 ** CONTROL=00000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.03778519

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.9458931
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	1.0318145	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.4118694
36. 1	0.8015527	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.8012176	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999999
 ** CONTROL=00000000005
 4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.49999991

CMP.	OUTPUT	CMP.	OUTPUT	CMP.	OUTPUT	CMP.	OUTPUT	CMP.	OUTPUT
1. 2	1.0037729	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.00377								
SUM NO. 2 IS	C.								

*** 85 INPUT HI IDENTIFICATION CORRECT
 MINPS=00000000013 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39340509
 CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.17214048
 CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.95037587
 CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.56125818
 CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.36669934
 CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.46397875
 CONTROL=00000000007

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.46397875

CMP.	OUTPUT	CMP.	OUTPUT	CMP.	OUTPUT	CMP.	OUTPUT	CMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.6967407	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.6487994	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.5220948
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.6601955
31. 1	0.1688933	32. 1	0.2954127	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.6697076	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.2611322	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.5043914	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.6042999	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.10321456
 CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.20642914
 CONTROL=00000000003

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.20642914

CMP.	OUTPUT	CMP.	OUTPUT	CMP.	OUTPUT	CMP.	OUTPUT	CMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 86 INPUT V1 IDENTIFICATION CORRECT
 MINPS=00000000012 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.32393017
 CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.61540870
 CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.90688723
 CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.19836576
 CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.05262651
 CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.97975688
 CONTROL=00000000007

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.97975688

CMP.	OUTPUT	CMP.	OUTPUT	CMP.	OUTPUT	CMP.	OUTPUT	CMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.1305377	20. 1	0.
21. 1	0.	22. 1	0.6568108	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.6175861	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.3176814	37. 1	0.	38. 1	0.8289690	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.5426584	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.3742018	64. 1	1.0302451	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.2567554	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.60765317
 CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.42942222
 CONTROL=00000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.01878777
 CONTROL=00000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.72435501
 CONTROL=00000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.37157139
 CONTROL=00000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.54796320
 CONTROL=00000000007

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.54796320

SUM NO.	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1 IS	1. 2	0.9274927	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
2 IS	2 IS	0.								

*** B7 INPUT M2 IDENTIFICATION CORRECT
 MINPS=00000000011 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.38478516
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.97907306
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.57336096
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.27621701
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.42478898
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.35050300
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.35050300

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.7533047	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.2118257	24. 1	0.6316598	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.4476770	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.6072162	42. 1	0.6429351	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.7413335	48. 1	0.6098070	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.2488751	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.35198745
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.70397493
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.70397493

SUM NO.	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1 IS	1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.
2 IS	2 IS	1.00000						

*** B8 INPUT V2 IDENTIFICATION CORRECT
 MINPS=00000000010 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39497003
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.74958234
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.10419464
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.92688850
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.01554157
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.05986810
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.05986810

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.6313331
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.0567116	18. 1	0.1123246	19. 1	0.	20. 1	0.
21. 1	1.0409046	22. 1	0.6411989	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.7281598	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.3240845	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.0482034	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.6539315	58. 1	0.1449254	59. 1	0.	60. 1	0.0126000
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.6795847
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49994999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49994996
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49994988
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49994991
 ** CONTROL=00000000005
 4 BIAS CHANGES

LEVEL 2 MS = 0.01010000 BIAS = -2.49999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0835390	2. 2	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.08354						
SUM NO. 2 IS	C.						

*** 89 INPUT M3 IDENTIFICATION CORRECT
 MINPS=0000000007 4CYCS=0000000014 INDICT=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.49424344
 CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.02759849
 CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.56095353
 CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.29427601
 CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.29427601

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.1049192	4. 1	0.6638541	5. 1	0.
6. 1	0.7235527	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.8623759
11. 1	C.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	C.	22. 1	0.	23. 1	0.6691743	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.1773851	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.8392694
41. 1	C.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.1767067	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.1696813	54. 1	0.	55. 1	0.
56. 1	C.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.7209149
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 151.05831146
 CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 75.77915573
 CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 38.13957787
 CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 19.31978893
 CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 9.90989459
 CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 5.20494729
 CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.85247368
 CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.67623687
 CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.08811846
 CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.79405426
 CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.94108896
 CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.01460364
 CONTROL=00000000007
 13 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 1.01460364

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5174136	2. 2	0.4857585	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.51741						
SUM NO. 2 IS	0.48576						

*** 90 INPUT V3 IDENTIFICATION INCORRECT.

NEW G-WEIGHTS FROM RESULT OF INPUT 90

COMPONENT 1. 1 G-WEIGHTS

0.49572754	0.51789356	0.50227356	0.49574280	0.49574280
0.44574280	0.50106812	0.49574280	-0.50091553	-0.50091553
-0.50091553	-0.50091553	-0.44574280	-0.50091553	-0.50091553
-0.50091553	0.48866272	0.48866272	0.48866272	0.51884460
0.44866272	0.48866272	0.51884460	0.51884460	-0.50749207
-0.50749207	-0.50749207	-0.50749207	-0.47732544	-0.47732544
-0.50749207	-0.50749207	0.	0.	0.

COMPONENT 2. 1 G-WEIGHTS

0.94175720	0.29177747	0.39405823	0.53398132	0.29148865
0.25927734	0.31477356	0.97084045	-0.73248251	-0.09651184
-0.73248251	-0.68981334	-0.25378519	-0.57659912	-0.58784485
-0.32995605	0.13090515	0.7919166	0.76808167	0.76361084
0.45777873	0.47093174	0.31576538	0.30358887	-0.40899658
-0.45622253	-0.46661377	-0.48139954	-0.48147583	-0.75715637
-0.46661377	-0.48147583	0.	0.	0.

COMPONENT 3. 1 G-WEIGHTS				
0.54771423	0.52362224	0.41137695	0.52360535	0.34741211
0.545008972	0.43981628	0.46151733	0.	-0.59771729
-0.42179871	0.46395874	-0.63740540	-0.87307739	-0.46711731
-0.53878784	0.	0.93627930	0.88073730	0.31192017
0.44883728	0.93890381	0.17320251	0.31008911	-0.34049988
-0.94137573	-0.34049988	-0.39315796	-0.25331116	-0.34049988
-0.39315796	-0.99748230	0.	0.	0.
COMPONENT 4. 1 G-WEIGHTS				
0.57637024	0.45756531	0.47048950	0.51100159	0.47900391
0.50006104	0.48883057	0.51661652	-0.55284117	-0.26977595
-0.55375562	-0.55654907	-0.60617065	-0.36526489	-0.55548036
-0.54193115	0.56149292	0.57543745	0.58076477	0.34570668
0.31671143	0.53385925	0.54782104	0.53805542	-0.31547969
-0.46594238	-0.46173096	-0.68162537	-0.71069336	-0.45195007
-0.44665527	-0.46594238	0.	0.	0.
COMPONENT 5. 1 G-WEIGHTS				
0.42193604	0.42021179	0.43431091	0.44500732	0.78868103
0.42021179	0.62593079	0.44367981	-0.49934387	-0.53060913
-0.56488037	-0.40519714	-0.59127808	-0.59147644	-0.51524353
-0.30192566	0.79998779	0.79998779	0.	0.
0.79998779	0.79998779	0.79998779	0.	0.
-0.57424927	0.	-0.66075134	-0.63460083	-0.43460083
-0.66075134	-0.66075134	0.	0.	-0.57424927
COMPONENT 6. 1 G-WEIGHTS				
0.47978210	0.43490601	0.38452148	0.67176819	0.72918701
0.46582031	0.43307678	0.19587708	-0.46739197	-0.70935059
-0.42156982	-0.25367737	-0.55992126	-0.47964478	-0.67872620
-0.42968750	0.62254333	1.00000000	0.19044495	0.46253967
1.00000000	0.19044495	0.07145691	0.46253967	0.
-0.59365845	-0.67727661	-0.35050964	-0.59365845	-0.67727661
-0.97348022	-0.13407898	0.	0.	0.
COMPONENT 7. 1 G-WEIGHTS				
1.00000000	0.74632263	0.61985779	0.30963135	0.31019592
0.41049444	0.30165100	0.30226135	-0.61235046	0.
-0.61502075	-0.61399841	-0.61595154	-0.61624146	-0.31454468
-0.61187744	0.65472417	0.65510559	0.69110107	0.65510559
0.69110107	0.65283203	0.	0.	0.
-0.51382446	-0.50358582	-0.50149436	-0.50109863	-0.46145630
-0.50358582	-0.50109863	0.	0.	-0.51382446
COMPONENT 8. 1 G-WEIGHTS				
0.41093045	0.38583374	0.50912476	0.41429138	0.42123413
0.62779236	0.80494690	0.42582703	-0.51490784	-0.32489014
-0.59513855	-0.57350159	-0.57298770	-0.28405762	-0.62217712
-0.51289368	0.54763794	0.44902000	0.56622314	0.78088379
0.54763794	0.56622314	0.33367400	0.20863342	-0.50231934
-0.60372925	-0.51043701	-0.50231934	-0.60372925	-0.37855530
-0.38841248	-0.51043701	0.	0.	0.
COMPONENT 9. 1 G-WEIGHTS				
0.43889936	0.70932007	0.9100505	0.39962769	0.46961975
0.37744141	0.18667603	0.5011414	-0.57423401	-0.14486694
-0.48869324	-0.40940857	-0.5717815	-0.63809204	-0.60389709
-0.56629944	0.95422363	0.002058	0.09106445	0.95422363
0.09106445	0.80488586	0.002058	0.92170715	-0.03056335
-0.90827942	-0.52273560	-0.17662048	-0.79350281	-0.52273560
-0.52273560	-0.52273560	0.	0.	0.
COMPONENT 10. 1 G-WEIGHTS				
0.67359924	0.11657715	1.00000000	0.20068359	1.00000000
0.73780823	0.08830261	0.18299866	-0.55653381	-0.65332031
-0.55560303	-0.59095764	-0.25991821	-0.47494507	-0.31567383
-0.59300232	1.00000000	1.00000000	0.	0.
0.	1.00000000	1.00000000	0.	-0.55556777
-0.91840027	-0.55558777	-0.55123901	0.	-0.29231262
-0.55558777	-0.55123901	0.	0.	0.
COMPONENT 11. 1 G-WEIGHTS				
0.38771057	0.37635803	0.37492371	0.31814575	0.37443542
0.34545898	1.00000000	0.82293701	-0.56375122	-0.59260559
-0.56875610	-0.57279968	-0.56742859	-0.56472778	0.
-0.57817078	0.60157776	0.60157776	0.57403564	0.60157776
0.60157776	0.52357483	0.49601744	0.	-0.46083069
-0.54441833	-0.57568359	-0.49211121	-0.46083069	-0.46083069
-0.54441833	-0.46083069	0.	0.	0.
COMPONENT 12. 1 G-WEIGHTS				
0.38549805	0.40046642	0.38102727	0.65147400	1.00000000
0.39743042	0.39703369	0.38703218	0.	-0.21075439
-0.69543611	-0.71188354	-0.71424466	-0.34483337	-0.69110107
-0.61121033	0.	0.	0.75885010	0.52844238
0.66207886	0.75885010	0.62966419	0.66207886	-0.39192200
-0.53636169	-0.64088440	-0.50300650	-0.39192200	-0.50303650

COMPONENT 23. 1 G-WEIGHTS

0.46112061	0.45562744	0.46664429	0.74282837	0.41373535
0.46806335	0.47010803	0.48182678	-0.51171875	-0.43643188
-0.49041748	-0.43855286	-0.5996704	-0.51760864	-0.47815918
-0.55711365	0.57701111	0.57701111	0.77603149	0.66552734
0.50146484	0.26957703	0.3194824	0.26138306	-0.55941777
-0.47564697	-0.48387146	-0.48387146	-0.48387146	-0.48387146
-0.48387146	-0.54553223	0.	0.	0.

COMPONENT 24. 1 G-WEIGHTS

0.44789124	0.64675903	0.60646057	0.12187195	0.65429688
0.57199097	0.439575	0.47627258	0.	-0.61936951
-0.33049316	-0.58227539	-0.68191101	-0.50549316	-0.51394653
0.7346545	0.79606628	0.79606628	0.42109680	0.38476563
0.79606628	-0.38642883	0.47109680	0.38476563	-0.42871094
-0.38127136	-0.38642883	-0.80355835	-0.80355835	-0.42871094
-0.38127136	-0.38642883	0.	0.	0.

COMPONENT 25. 1 G-WEIGHTS

0.68489075	0.47874451	0.49287415	0.44958496	0.48052979
0.45523071	0.46844482	0.48966980	-0.55984437	-0.43151855
-0.59001160	-0.53343201	-0.31654358	-0.37908936	-0.57820129
-0.61131287	0.71931458	0.56336975	0.47390747	0.43142700
0.71931458	0.47390747	0.30935669	0.30935669	-0.52189636
-0.47947693	-0.36596680	-0.61141968	-0.65385437	-0.36596680
-0.52189636	-0.47947693	0.	0.	0.

COMPONENT 26. 1 G-WEIGHTS

0.49948120	0.49191284	0.46485901	0.49531555	0.60215759
0.43685913	0.48025513	0.52911377	-0.51856995	-0.49922180
-0.44869995	-0.52549744	-0.58001709	-0.52438354	-0.38597107
-0.51760664	0.48768616	0.54397583	0.59472656	0.59472656
0.48768616	0.54397583	0.67094421	0.	-0.51712036
-0.51712036	-0.36857605	-0.46273804	-0.67143250	-0.52725525
-0.51712036	-0.36857605	0.	0.	0.

COMPONENT 27. 1 G-WEIGHTS

0.38916016	0.44635010	0.39015198	0.39189148	0.51237488
1.00000000	0.38957214	0.48045349	-0.47595215	-0.52043152
-0.49929810	-0.49554443	-0.51202393	-0.51748657	-0.43241882
-0.54681396	1.00000000	1.00000000	1.00000000	0.
0.	1.00000000	0.	1.00000000	-0.70671087
-0.61552429	0.	-0.70671087	-0.61552429	-0.70671087
0.	-0.64878865	0.	0.	0.

COMPONENT 28. 1 G-WEIGHTS

0.41578674	0.29663083	0.37747192	0.37345886	0.95203491
0.78961182	0.37747192	0.37748718	-0.61764526	-0.53848267
-0.62609863	0.	-0.61488342	-0.62608337	-0.51541138
-0.46134949	0.92578125	0.07431030	0.	0.91696167
0.92578125	0.11880493	0.0384534	1.00000000	-0.30017090
0.	-0.33406067	-0.75791931	-0.33406067	-0.75791931
-0.75791931	-0.75791931	0.	0.	0.

COMPONENT 29. 1 G-WEIGHTS

0.58120728	0.37948608	0.40838623	0.38410950	0.43688965
0.44729614	0.95069885	0.41188049	-0.47390747	-0.22798157
-0.63966370	-0.57037354	-0.55256653	-0.56802368	-0.55819702
-0.40925598	0.66691509	0.39080811	0.76058960	0.81285095
0.51789856	0.53674316	0.13093567	0.18322754	-0.51053284
-0.43374634	-0.43374634	-0.40037537	-0.47646790	-0.65760803
-0.43374634	-0.43374634	0.	0.	0.

COMPONENT 30. 1 G-WEIGHTS

0.41519165	0.41464233	1.00000000	0.45834351	0.41053772
0.45246887	0.40525818	0.44352722	-0.62062073	-0.55496216
-0.5516052	0.	-0.47449489	-0.54821777	-0.61334229
-0.61310886	0.	0.	0.76513672	-0.44293640
0.52214050	0.76513672	0.74400330	0.74060059	-0.70007324
-0.44120789	-0.44120789	-0.75799441	-0.38584900	-0.44120789
-0.44517517	-0.38584900	0.	0.	0.

COMPONENT 31. 1 G-WEIGHTS

0.31187432	0.37968445	0.39979553	0.77078247	0.80944824
0.33309937	0.36659241	0.62866211	-0.61730713	-0.75959200
-0.69534302	-0.27560425	-0.01097107	-0.68418844	-0.44022224
-0.43605042	0.46028137	0.53886613	0.53619575	0.84440613
0.79855864	0.30595398	0.03199768	0.48271179	-0.07373047
-0.47601648	-0.39958191	-0.85791014	-0.64871052	-0.25009155
0.64891652	-0.65078735	0.	0.	0.

COMPONENT 32. 1 G-WEIGHTS

1.00000000	0.34284025	0.35131728	0.35853154	0.75807190
0.36238078	0.47343445	0.35128784	-0.71623230	-0.44491577
-0.72149658	0.07130432	-0.35942178	-0.32986445	-0.22480774
-0.72880554	0.	0.	0.91156006	0.91156006
0.18217468	0.17152405	0.91156006	0.91156006	-0.38630159
-0.76426647	0.	-0.66690147	-1.75443323	-0.66690147
-0.76426647	0.	0.	0.	0.

COMPONENT 33. 1 G-WEIGHTS

0.49551064 0.49496460
0.49845886 0.49841309
-0.49510193 -0.51829529
0.49880961 0.44547190
-0.51136780 0.56448853
-0.50627136 -0.50627136
-0.51136780 -0.51136780

0.50529480 0.51237488
0.49357405 -0.50984192
-0.50646973 -0.44956970
0.44557190 0.45069885
0.56448853 0.45069885
-0.50627136 -0.43554688
0. 0.

0.50144958
-0.49949646
-0.51062012
0.56948853
-0.51136780
-0.51136780
0.

COMPONENT 34. 1 G-WEIGHTS

0.5153643 0.42198181
0.42971802 0.64007568
-0.51837158 -0.50889587
-0.49340420 0.75424194
0.70817566 0.49929810
-0.51251221 -0.51832581
-0.66328450 -0.53263855

0.48451233 0.5 0216
0.46633911 -0.50997925
-0.40930176 -0.52305603
0.61729431 0.53971863
0.48225403 0.
-0.30001931 -0.43652344
0. 0.

0.48988342
-0.52929688
-0.50767517
0.39897156
-0.51832581
-0.51832581
0.

COMPONENT 35. 1 G-WEIGHTS

0.53018188 0.46240071
0.53637695 0.43200684
-0.4811171 -0.47915649
-0.54813171 0.81402588
0. 0.81402588
-0.73013306 -0.73013306
-0.35981750 -0.35981750

0.45811462 0.45001221
0.68818865 -0.36334229
-0.43762207 -0.55015564
0. 0.77894592
0. 0.81402588
0. -0.73013306
0. 0.

0.44248962
-0.53813171
-0.55526733
0.77894592
-0.73013306
-0.35981750
0.

COMPONENT 36. 1 G-WEIGHTS

0.58016968 0.75490906
0.29555447 0.26670837
-0.72882080 -0.70625305
-0.01402283 0.95248413
0.9148413 0.
-0.7014832 -0.73014832
-0.73014832 -0.65432739

0.98651123 0.25975037
0.48881641 -0.71807861
-0.74060059 -0.33621216
0.30102539 0.
0. -0.95248413
-0.06166077 -0.18168640
0. 0.

0.38914490
-0.42474365
-0.33122253
0.84147644
-0.18168640
-0.73014832
0.

COMPONENT 37. 1 G-WEIGHTS

0.52958679 0.52526855
0.55839539 0.45582581
-0.63438416 0.66833496
-0.42141724 0.40368652
0.62051392 0.03392029
-0.02033447 -0.91471863
-0.91471863 -0.56784058

0.54299927 0.64598083
0.26452637 -0.63302612
-0.00048428 -0.29271773
0.94186401 0.03392029
0.62051392 0.40368652
-0.56784058 -0.49707031
0. 0.

0.47738647
-0.68885803
-0.65618896
0.94186401
-0.49707031
-0.02033997
0.

COMPONENT 38. 1 G-WEIGHTS

0.55278015 0.35856628
0.35906482 0.35856628
-0.65809631 -0.65855327
-0.51811218 0.61206055
0.61215210 0.86926270
-0.64190674 -0.05130005
-0.64190674 -0.64190674

1.00000000 0.37141418
0.47448425 -0.65809631
-0.65798950 -0.35461426
0.86926270 0.
0.16795349 0.86926270
-0.64190674 -0.64190674
0. 0.

0.57507374
-0.01228333
-0.48492432
0.
-0.64183044
-0.09727478
0.

COMPONENT 39. 1 G-WEIGHTS

0.54678345 0.39625549
0.44691467 1.00000000
-0.43849182 -0.45689392
-0.54353333 0.
0.49735718 0.66740417
-0.46917725 -0.47981262
-0.46795654 -0.47981262

0.39968877 0.42077637
0.39416504 -0.52053833
-0.46031189 -0.54322815
0.59735718 0.66740417
0.65872192 -0.56822201
-0.43477356 0.
0. -0.52691650
0. 0.

0.39526367
-0.52926636
-0.50769043
0.66740417
-0.56822201
-0.56822201
0.

COMPONENT 40. 1 G-WEIGHTS

0.42875671 0.73184204
0.50438281 0.56755493
-0.53562427 -0.53561401
-0.53661074 0.46380615
0.58447266 0.53888621
-0.44227600 -0.45690918
-0.56634521 -0.57376099

0.42315674 0.43246460
0.42793274 -0.52014160
-0.48242542 -0.33441162
0.45675659 0.51794434
0.57046509 0.32853699
-0.45690918 -0.57376099
0. 0.

0.46136365
-0.52873230
-0.52648926
0.53898621
-0.48771667
-0.44227600
0.

COMPONENT 41. 1 G-WEIGHTS

0.48339844 0.51676441
0.34849690 0.48716736
-0.54276509 -0.54747314
-0.55259205 0.67517090
0.68077087 0.51605225
-0.41076680 -0.57821855
-0.57821855 -0.62098694

0.48425781 0.48945618
0.51464844 -0.52624512
-0.54588481 -0.18377686
0.67517090 0.51043701
0.47398376 0.
-0.41076680 -0.41076680
0. 0.

0.62055969
-0.53872681
-0.53276067
0.46838779
-0.41076680
-0.57821855
0.

COMPONENT 42. 1 G-WEIGHTS

0.57415771 0.42381287
0.51254272 0.71104321
-0.61194580 0.
0.68176270 0.52374684
0. 0.71202787
0. 0.51014719
0. 0.25424194
-0.57415771 -0.57415771
0. 0.

0.42381287 0.53500366
0.52374684 -0.62710571
-0.71202787 -0.63578796
0.51014719 0.51014709
0.25424194 0.47581780
-0.57415771 -0.33015442
0. 0.

0.37637329
-0.63003540
-0.71308899
0.42587280
0.74494460
-0.50233459
0.

COMPONENT 43. 1 G-WEIGHTS

0.79598999	0.340P2031	0.42169189	0.33108521	1.00000000
0.35768127	0.39538574	0.35729985	-0.53866577	-0.32530217
-0.46321106	-0.50543567	-0.54219055	-0.52970886	-0.58172607
-0.51321411	0.57477417	0.67477417	0.68688965	0.46011353
0.44491577	0.52923584	0.52923584	0.	-0.44204712
-0.44204712	-0.67164612	-0.44645691	-0.44204712	-0.44204712
-0.67164612	-0.44204712	0.	0.	0.

COMPONENT 44. 1 G-WEIGHTS

0.47352600	0.46687317	0.51538086	0.72740173	0.42271423
0.45283508	0.47676086	0.46447754	-0.57020569	-0.44783020
-0.57858276	-0.34289551	-0.51254272	-0.51000977	-0.56312561
-0.47477722	0.39511108	0.	0.64309692	0.81434631
0.41641235	0.48930359	0.53521729	0.70648193	-0.14994812
-0.60592651	-0.56002808	-0.38861084	-0.78678694	-0.56002808
-0.56002808	-0.38861084	0.	0.	0.

COMPONENT 45. 1 G-WEIGHTS

0.41215515	0.26156616	0.99298096	0.93980408	0.31295776
0.34460449	0.38362122	0.35227966	-0.72143555	-0.63496399
-0.62907410	-0.63311768	-0.62197876	-0.01609802	-0.72270203
-0.02059937	0.02502441	0.04074097	0.74018860	0.74018860
0.47987366	0.77732849	0.73155212	0.46500686	-0.34980774
-0.42512512	-0.74636841	-0.34980774	-0.44152832	-0.44152832
-0.82167053	-0.42411804	0.	0.	0.

COMPONENT 46. 1 G-WEIGHTS

0.43945313	0.35754395	0.72024536	0.42707825	0.33428955
0.79244995	0.43649292	0.49240112	-0.60197449	-0.49401855
-0.52493286	-0.46612549	-0.34471130	-0.5534363	-0.53282166
-0.48004150	0.30233765	0.	0.84080505	0.84080505
0.54446411	0.57310486	0.62173462	0.27671814	-0.41894531
-0.41894531	-0.41894531	-0.76768494	-0.41894531	-0.41894531
-0.41894531	-0.71856689	0.	0.	0.

COMPONENT 47. 1 G-WEIGHTS

0.46263123	0.43959045	0.45840454	0.45245361	1.00000000
0.37252808	0.40708923	0.40727234	-0.54017639	-0.46943665
-0.53167725	-0.53599548	-0.50326538	-0.51704407	-0.52824402
-0.37413025	0.	0.62896729	0.67631531	0.71844482
0.62879944	0.62896729	0.71844482	0.	-0.49098206
-0.64620972	-0.47505188	-0.42745972	-0.47505188	-0.52810669
-0.52961731	-0.42745972	0.	0.	0.

COMPONENT 48. 1 G-WEIGHTS

0.44386292	0.57754517	0.36439514	0.58287048	0.66940308
0.45185852	0.49050903	0.41950989	-0.38014221	-0.77037048
-0.25239563	-0.82714844	0.	-0.60716248	-0.75407410
-0.40849141	0.	0.67005920	0.65368652	0.67005920
0.75230408	0.73367310	0.52018738	0.	-0.39236457
-0.47770691	-0.47770691	-0.61863708	-0.45948792	-0.47770691
-0.47770691	-0.61863708	0.	0.	0.

COMPONENT 49. 1 G-WEIGHTS

0.50604248	0.49557495	0.50254822	0.40103149	0.53643799
0.53237234	0.53225708	0.49378967	-0.54403687	-0.47999573
-0.45726013	-0.53210449	-0.52944946	-0.57575684	-0.47201538
-0.45933533	0.34597778	0.	0.00872803	0.91476440
0.44754883	0.85816956	0.89219666	0.49258423	-0.41383362
-0.37968445	-0.80972290	-0.78115845	-0.41383362	-0.37968445
-0.37968445	-0.44436755	0.	0.	0.

COMPONENT 50. 1 G-WEIGHTS

0.50711060	0.51874329	0.46252441	0.25311279	0.87319946
0.78932190	0.86503601	0.24093628	-0.61566162	-0.57518005
-0.55247498	-0.00935364	-0.52764893	-0.58331299	-0.59236145
-0.54397583	0.06365967	0.68138123	0.68138123	0.60021971
0.77088928	0.62825012	0.57417297	0.	-0.48475647
-0.42758179	-0.66006470	-0.42758179	-0.42758179	-0.42758179
-0.66006470	-0.48475647	0.	0.	0.

COMPONENT 51. 1 G-WEIGHTS

0.35983440	0.27047729	0.27047729	0.67056274	0.34764099
0.99696350	0.81372070	0.27047729	-0.72039795	-0.00022888
-0.24882507	-0.66702374	-0.23300171	-0.68659973	-0.72190857
-0.72190857	0.25765991	0.76562500	0.82804871	0.25547791
0.25765991	0.82804871	0.78222656	0.02520752	-0.23475647
-0.68890381	-0.68437195	-0.09956360	-0.23475647	-0.68890381
-0.68437195	-0.68437195	0.	0.	0.

COMPONENT 52. 1 G-WEIGHTS

0.30740356	0.43817139	0.88789368	0.32174683	0.39872742
0.19910889	0.81466675	0.43179321	-0.46244812	-0.56770325
-0.46059851	-0.47222900	-0.56881824	-0.52545166	-0.49276733
-0.44549561	0.09814453	0.02983093	0.86660767	0.69070435
0.47624207	0.86650767	0.68114807	0.31066895	-0.38429260
-0.38429260	-0.62919617	-0.60218811	-0.38429260	-0.38429260
-0.62919617	-0.60218811	0.	0.	0.

COMPONENT 53. 1 G-WEIGHTS

0.50897217	0.47883606
0.44310303	0.48095703
-0.55328364	-0.44555469
-0.49511719	0.53552246
0.25708008	0.59851074
-0.41372681	-0.41372681
-0.41372681	-0.27670288

0.48136907
0.51467896
-0.54383850
0.53552246
0.64468889
-0.66252136
0.

0.53065491
-0.35006714
-0.50552368
0.05671692
0.83166504
-0.89576721
0.

0.51139832
-0.50730896
-0.54925537
0.49026489
-0.51004028
-0.41372681
0.

COMPONENT 54. 1 G-WEIGHTS

0.43414307	0.60780334
0.43659646	0.59365845
-0.53070068	-0.45193430
-0.53173428	0.
0.66299438	0.59611511
-0.54983521	-0.53814697
-0.48030090	-0.54983521

0.58108521
0.43812561
-0.49258423
0.78039551
0.42379761
-0.36199627
0.

0.47399902
-0.41363525
-0.52993774
0.80771926
0.
-0.53814697
0.

0.43614307
-0.53091431
-0.51854669
0.72892761
-0.54983521
-0.42587280
0.

COMPONENT 55. 1 G-WEIGHTS

0.33551025	0.31738281
0.52343750	0.77444946
-0.51211548	-0.56550598
-0.39651469	0.
0.53317261	0.51747131
-0.48442078	-0.46130571
-0.48442078	-0.48442078

0.90599060
0.35478210
-0.54887790
0.81096191
0.53947449
-0.46475220
0.

0.38728333
-0.49497986
-0.53343201
0.63296509
0.53670911
-0.56983948
0.

0.39613347
-0.39001465
-0.55853271
0.62969971
-0.48442078
-0.56640625
0.

COMPONENT 56. 1 G-WEIGHTS

0.48019409	0.48101807
0.46917725	0.53409302
-0.53092457	-0.53086853
-0.49386493	0.72450256
0.75480652	0.75907898
-0.37220764	-0.37220764
-0.42308044	-0.37643433

0.54159546
0.45718384
-0.60140991
0.22576404
0.70819092
-0.42308044
0.

0.53909302
-0.45939636
-0.46096802
0.26034546
0.26034546
-0.87097168
0.

0.49267578
-0.45320129
-0.46940613
0.30693054
-0.78979492
-0.37220764
0.

COMPONENT 57. 1 G-WEIGHTS

0.30700684	0.30700684
0.64208984	1.00000000
-0.71253967	0.
-0.68003845	0.92604065
0.36758423	0.
-0.77409363	-0.77409363
-0.77409363	-0.12948608

0.30700684
0.39175415
-0.55668640
0.35308838
0.18162577
0.

0.50741577
-0.50907898
-0.71478271
0.31951904
0.92604065
-0.77409363
0.

0.53768921
-0.71478271
-0.11207581
0.92604065
0.
-0.77409363
0.

COMPONENT 58. 1 G-WEIGHTS

0.45283508	0.71661377
0.46157837	0.46742249
-0.53048706	-0.35742188
-0.45443726	0.83909607
0.38520812	0.29081726
-0.26297000	-0.53187561
-0.3187561	-0.62679700

0.48618970
0.45126343
-0.53013611
0.24368286
0.24368286
-0.03088379
0.

0.51051331
-0.53446950
-0.53366089
0.86753845
0.83909607
-0.51319885
0.

0.45153809
-0.53311157
-0.52622986
0.29081726
-0.51319885
-0.62629700
0.

COMPONENT 59. 1 G-WEIGHTS

0.52723694	0.45181274
0.53230286	0.49720764
-0.49127197	-0.50292969
-0.47677612	0.54144287
0.32067871	0.40742493
-0.42114258	-0.42114258
-0.42114258	-0.42114258

0.49649048
0.34206848
-0.53477905
0.45469666
0.54905701
-0.50796709
0.

0.46763611
-0.47677612
-0.49302673
0.63583374
0.54144287
-0.42114258
0.

0.48519897
-0.47874097
-0.52616882
0.54905701
-0.73640442
-0.64959717
0.

COMPONENT 60. 1 G-WEIGHTS

0.49017334	0.47138977
0.42231750	0.54568481
-0.41882751	-0.59854126
-0.59559631	0.27487183
0.31596375	0.21792603
-0.64564514	-0.64270020
-0.34346008	-0.64270020

0.80606079
0.41879272
-0.59899902
0.53666687
0.72503662
-0.64564514
0.

0.42208862
-0.12696838
-0.58815002
0.81701660
0.50723267
-0.64564514
0.

0.42366191
-0.59776306
-0.45510864
0.60525513
-0.31861877
-0.11555481
0.

COMPONENT 61. 1 G-WEIGHTS

1.00000000	0.40805054
0.45416260	0.41371155
-0.47908630	-0.40982275
-0.45603943	0.49444275
0.69444275	0.61833191
-0.45956421	-0.68005371
-0.43577576	-0.48490906

0.38681010
0.46035767
-0.43630981
0.61833191
0.37805176
-0.48490906
0.

0.45223999
-0.60314941
-0.52511597
0.61833191
0.
-0.48490906
0.

0.42465210
-0.52526855
-0.46917725
0.37805176
-0.48490906
-0.48490906
0.

COMPONENT 62. 1 G-WEIGHTS

0.44279480	0.42732239
0.94473267	0.44279480
-0.56996155	-0.59764099
-0.60574341	0.59727478
0.59727478	0.59727478
-0.54632568	-0.53187887
-0.47482300	-0.54632568

0.41217041
0.46601168
-0.34059143
0.52854419
0.52854419
-0.47482300
0.

0.44279480
-0.56283569
-0.57273865
0.54115295
0.
-0.47482300
0.

0.42135620
-0.15167236
-0.59877014
0.60989380
-0.47482300
-0.47482300
0.

COMPONENT 63. 1 G-WEIGHTS

0.28030396	0.66612244	1.00000000	0.27101133	0.27911377
0.57829285	0.29954529	0.62557963	-0.58381643	-0.58830261
-0.58293152	-0.23736572	-0.56083670	-0.47799001	-0.40473939
-0.56407166	0.04624517	0.91213989	0.10073853	0.94615173
0.33294678	0.38739014	0.38739014	0.88638660	-0.55807495
-0.50555420	-0.50555420	-0.55807495	-0.55807495	-0.55807495
-0.50555420	-0.25096130	0.	0.	0.

COMPONENT 64. 1 G-WEIGHTS

0.45603943	0.42347717	0.40272522	0.40272522	0.80281067
0.4101867	0.48009676	0.62193298	-0.62426758	-0.71160889
-0.71160889	-0.65621948	0.	-0.66372681	-0.63255310
0.	0.79998779	0.	0.79998779	0.79998779
0.	0.	0.79998779	0.79998779	0.79998779
0.	-0.67372131	-0.67372131	-0.65254211	-0.65254211
-0.67372131	-0.67372131	0.	0.	0.

COMPONENT 65. 1 G-WEIGHTS

0.28012085	0.59667969	0.32246399	0.97668457	0.32478333
0.25512645	0.31854248	0.42556763	-0.32588196	-0.12576294
-0.53782817	-0.69967651	-0.63143921	-0.26962280	-0.76799011
-0.64195251	0.15060425	0.16177368	0.74386597	0.82897949
0.52436829	0.52641296	0.75706482	0.30691528	-0.47496033
-0.25142261	-0.68659973	-0.47496033	-0.47496033	-0.68659973
-0.47496033	-0.47496033	0.	0.	0.

COMPONENT 66. 1 G-WEIGHTS

1.00000000	1.00000000	0.65000916	0.15734863	0.21124268
0.47369385	0.2558145	0.25170898	-0.46424866	-0.53825378
-0.51615906	-0.55206299	-0.51319485	-0.57591248	-0.29632568
-0.54379272	0.	0.94776917	0.94776917	0.20889282
0.	0.	0.94776917	0.94776917	-0.73928833
-0.28402710	0.	-0.73928833	-0.73928833	0.
-0.73928833	-0.75881958	0.	0.	0.

COMPONENT 67. 1 G-WEIGHTS

0.24960327	0.18167114	0.21694946	0.37622070	1.00000000
0.70993042	1.00000000	1.00000000	-0.51895142	-0.58277539
-0.54035950	-0.51507568	-0.17190572	-0.50320433	-0.60284424
-0.56535339	0.20588684	0.78605652	0.78605652	0.79605652
0.53157043	0.43643188	0.30242920	0.16549683	-0.41755676
-0.41755676	-0.36798096	-0.41755676	-0.41755676	-0.71849060
-0.77305603	-0.47021484	0.	0.	0.

COMPONENT 68. 1 G-WEIGHTS

0.44923706	0.55229187	0.50244391	0.49093628	0.48864746
0.49101257	0.48907471	0.48631287	-0.48941640	-0.49937439
-0.49449158	-0.51083374	-0.50028992	-0.50572205	-0.48869324
-0.51158142	0.76991772	0.28723145	0.17295817	0.76991272
0.27288818	0.1872	0.76991272	0.76991272	-0.69030762
-0.59031677	-0.6759	-0.09336853	-0.59031677	-0.57598877
-0.64030762	-0.09336853	0.	0.	0.

COMPONENT 69. 1 G-WEIGHTS

0.33096313	0.98103333	0.30354409	0.27761841	0.99542236
0.31922913	0.41783142	0.37429810	-0.59962463	-0.70294189
-0.67828369	-0.02650452	-0.08575439	-0.63584900	-0.63662720
-0.63439941	0.02580261	0.02580261	0.88520813	0.54859924
0.86520813	0.88520813	0.54548645	0.19865417	-0.42843628
-0.90473438	-0.40600586	-0.26747131	-0.42843628	-0.86895752
-0.26747131	-0.42843628	0.	0.	0.

COMPONENT 70. 1 G-WEIGHTS

0.41789246	0.43844604	0.42355347	0.91566467	0.41773987
0.41914368	0.54968262	0.41783142	-0.64819336	-0.55426025
-0.42979431	-0.64155579	-0.64622498	-0.64872742	-0.43119812
0.	0.93344116	0.12405194	0.	0.93344116
0.93344116	0.14215088	0.	0.93344116	0.
-0.31921387	-0.60972595	-0.61532593	-0.61532593	-0.61532593
-0.60972595	-0.61532593	0.	0.	0.

COMPONENT 71. 1 G-WEIGHTS

0.53617859	0.52996826	0.44674388	0.49891663	0.51118469
0.52703369	0.43058777	0.47436998	-0.45794678	-0.45897095
-0.48536682	0.47328186	-0.54203790	-0.48669434	-0.48426599
-0.52738451	0.61325073	0.29048157	0.28256226	0.30607605
0.65187073	0.62634167	0.63624575	0.59112549	-0.75602722
-0.38819315	-0.43327332	-0.41168213	-0.75602722	-0.38819885
-0.43327332	-0.43327332	0.	0.	0.

COMPONENT 72. 1 G-WEIGHTS

0.51147461	0.49482727	0.57307434	0.48672485	0.46121216
0.42746682	0.55561829	0.49418640	-0.2194214	-0.57208252
-0.54577778	-0.57669067	-0.57909302	-0.67294434	-0.57669067
-0.22454034	0.	0.74024763	0.67064311	0.34747314
0.39710249	0.64126587	0.57161377	0.57161377	-0.04910278
-0.46606689	-0.50556946	-0.86256409	-0.50556946	-0.55702203
-0.55702203	-0.55702203	0.	0.	0.

COMPONENT 1 2 C=HEIGHTS

0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
0.34234517	0.82670543	0.49519348	0.77261790	0.99519348
0.26242493	0.02195032	0.96134944	0.45519348	0.51679993
0.35945493	0.95193348	0.49519348	0.55819348	0.99519348
0.04167175	0.02095032	0.15494261	0.49519348	0.02095032
0.31176710	0.89720154	0.00000000	0.50427246	0.02095032
0.02095032	0.99519348	0.53235471	0.68845825	0.60974121
0.02095032	0.02328491	0.99519348	0.99519348	0.99519348
0.25607300	0.99519348	0.99519348	0.00000000	0.20613098
0.42455017	0.02095032	0.99519348	0.13145447	0.14923218
0.99519348	0.36457505	0.74972534	0.99519348	0.99519348
0.25054932	0.02095032	0.99519348	0.13145447	0.00000000
0.02095032	0.00000000	0.02095032	0.02095032	0.99519348
-0.64556885	-0.67327881	-0.70780945	0.00000000	-0.56175232
-0.56883240	-0.34505554	-0.13999993	-0.03466832	-0.93557529
-1.00000000	-0.55487061	-0.73297119	-0.81506348	0.00000000
-0.77288818	-0.09602356	-0.75897217	-0.90552917	-0.68101501
-0.47601318	-1.00000000	-0.51270093	-0.45652161	-0.69218445
-0.47021301	-0.27453394	-0.70912170	-0.93957520	-0.02296448
-0.12515259	-0.80916650	-0.69244772	-0.36643942	-0.27201843
0.00000000	-0.58276013	-0.52128601	-0.48179626	-1.00000000
-0.66998291	-0.90852356	-0.52128601	-0.71467590	-0.68225088
-0.47748230	0.00000000	-0.63645935	-0.45550537	-0.35563660
-0.7436570	0.00000000	-0.08975220	-0.06292725	-0.86193848
-0.06292725	-0.02296448	-0.12515259	0.00000000	-0.06292725
-0.02296448	0.00000000	0.00000000	-0.87895178	-0.73625183
			0.00000000	0.00000000

COMPONENT 2 2 C=HEIGHTS

0.56000000	-0.50000000	0.55183301	0.00000000	0.23596191
0.00000000	0.08586121	0.33665464	0.12446594	0.00000000
0.00000000	0.98115540	0.06365367	0.51875305	0.87335205
0.47940083	0.74906921	0.60653667	0.00000000	0.61077576
0.99980327	0.98115540	0.93601490	0.12094116	0.74327087
0.98115540	0.05769348	0.85695411	0.14616394	0.03131104
0.95601490	0.90272522	0.90272522	0.87335205	0.00000000
0.90272522	0.80325317	0.17668152	0.43601990	0.15560913
0.76425598	0.00000000	0.93601490	0.00000000	0.61917114
0.87335205	0.98115540	0.87335205	0.00000000	0.56001282
0.00000000	0.67158508	0.00000000	0.00000000	0.81964111
0.00000000	0.59421594	0.90492749	0.08401489	0.87335205
0.51203003	0.98115540	0.06706238	0.90272522	-0.50296021
-1.00000000	1.00000000	-0.0794678	-1.00000000	-0.89471436
-0.22253418	-0.06330872	-0.03841319	-1.00000000	-0.96847534
-0.06330872	-0.08478088	-1.00000000	-0.87474060	-0.14184570
-0.01823415	-0.08478088	-0.27204695	-0.43243408	0.00000000
-0.01823415	-0.06330872	-0.30673218	-0.41525269	-0.01823425
-0.09841419	-0.14184570	-0.18482971	-0.96688843	-0.48381042
-0.06330872	-0.34434035	-0.09841919	-1.00000000	-1.00000000
-1.00000000	-0.21601868	-0.86338206	-1.00000000	-0.87006836
-1.00000000	-0.82626343	-0.20768736	-1.00000000	-0.14184570
-1.00000000	-1.00000000	-0.14184570	-0.14184570	-0.09841919
-0.51106262	-0.09941919	-0.26300666	-1.00000000	-0.47172546
0.00000000	-0.54446411	-0.42059226	-0.90243530	-0.06330872
	0.00000000	0.00000000	0.00000000	0.00000000

MINPS=0000000007 VCYS=00000000013 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.47978562
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.93249469
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.38520375
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.15884922
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.15884922

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1% 1	0.00000000	2% 1	0.00000000	3% 1	0.1935137	4% 1	0.6368040	5% 1	0.0094156
6% 1	0.6088921	7% 1	0.00000000	8% 1	0.00000000	9% 1	0.00000000	10% 1	0.8833677
11% 1	0.00000000	12% 1	0.00000000	13% 1	0.00000000	14% 1	0.00000000	15% 1	0.00000000
16% 1	0.00000000	17% 1	0.00000000	18% 1	0.5848458	19% 1	0.00000000	20% 1	0.00000000
21% 1	0.00000000	22% 1	0.00000000	23% 1	0.00000000	24% 1	0.00000000	25% 1	0.00000000
26% 1	0.00000000	27% 1	1.0659422	28% 1	0.2432316	29% 1	0.1177748	30% 1	0.00000000
31% 1	0.00000000	32% 1	0.00000000	33% 1	0.00000000	34% 1	0.00000000	35% 1	0.00000000
36% 1	0.00000000	37% 1	0.00000000	38% 1	0.00000000	39% 1	0.00000000	40% 1	0.7335556
41% 1	0.00000000	42% 1	0.00000000	43% 1	0.00000000	44% 1	0.00000000	45% 1	0.00000000
46% 1	0.2034872	47% 1	0.00000000	48% 1	0.00000000	49% 1	0.00000000	50% 1	0.00000000
51% 1	0.00000000	52% 1	0.00000000	53% 1	0.2328181	54% 1	0.00000000	55% 1	0.00000000
56% 1	0.00000000	57% 1	0.00000000	58% 1	0.00000000	59% 1	0.0730055	60% 1	0.5896718
61% 1	0.00000000	62% 1	0.00000000	63% 1	0.00000000	64% 1	0.00000000	65% 1	0.00000000
66% 1	0.00000000	67% 1	0.00000000	68% 1	0.00000000	69% 1	0.00000000	70% 1	0.00000000
71% 1	0.00000000	72% 1	0.00000000	0% 0	0.00000000	0% 0	0.00000000	0% 0	0.00000000

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.27037428
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.54074860
 ** CONTROL=000000000004
 2 BIAS CHANGES

LEVEL 2 MS = 1.00000000 BIAS = 0.54074860

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1% 2	0.00000000	2% 2	1.00000000	3% 2	0.00000000	4% 2	0.00000000	5% 2	0.00000000
6% 2	0.00000000	7% 2	0.00000000	8% 2	0.00000000	9% 2	0.00000000	10% 2	0.00000000

*** 21 1 BIAS CHANGES
 MINPS=0000000007 VCYS=00000000013 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.16133741
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.36840060
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.57546390
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.47193220
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.52369800
 ** CONTROL=00000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.52369800

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.8680294	10. 1	0.3135050
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0915158	15. 1	0.
16. 1	0.1995784	17. 1	0.6090199	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.4749580	29. 1	0.	30. 1	0.
31. 1	0.2796643	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	1.0050599	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.

46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.5458750	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.1714197
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.4517379
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.52499994
 ** CONTROL=00000000005
 7 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.62499994

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0246465	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.02465								
SUM NO. 2 IS	0.								

*** 92 INPUT M4 IDENTIFICATION CORRECT
 MIMPS=00000000005 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.43863365
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.19487108
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.95110852
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.57298981
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.38493046
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.47846013
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.47846013

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.4863030	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6727226
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.0375102	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.709234
46. 1	0.4107800	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.6910183	52. 1	0.4877686	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6198457	68. 1	0.	69. 1	0.6536915	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.21347459
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.42674919
 ** CONTROL=00000000001
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.42694914

SUM NO.	1 IS	0.	SUM NO.	2 IS	1.000000	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1	15	0.	2	2	1.000000	0.	0	0.	0	0.	0.	0.	0.	0.	0.
2	15	1.000000													

*** 93 INPUT V4 IDENTIFICATION CORRECT
 MINPS=00000000004 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06434266
 ** CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.75060751
 ** CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.40747260
 ** CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.23590764
 ** CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.32169011
 ** CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.27879888
 ** CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.30024450
 ** CONTROL=00000000007
 7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.10224450

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0804467	2. 1	0.3288205	3. 1	0.1776272	4. 1	0.	5. 1	0.
6. 1	0.5372126	7. 1	0.	8. 1	0.2404584	9. 1	0.3919607	10. 1	0.0747093
11. 1	0.	12. 1	0.0306121	13. 1	0.	14. 1	0.1038395	15. 1	0.1247134
16. 1	0.1893116	17. 1	0.2474446	18. 1	0.	19. 1	0.	20. 1	0.1225389
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.3095905	25. 1	0.
26. 1	0.0016870	27. 1	0.	28. 1	0.	29. 1	0.1628509	30. 1	0.0977709
31. 1	0.0325792	32. 1	0.	33. 1	0.	34. 1	0.1398605	35. 1	0.
36. 1	0.	37. 1	0.2866946	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0354951	42. 1	0.2307732	43. 1	0.0931611	44. 1	0.0425996	45. 1	0.0657078
46. 1	0.0696665	47. 1	0.0083112	48. 1	0.	49. 1	0.0008222	50. 1	0.2218428
51. 1	0.0584256	52. 1	0.0599973	53. 1	0.	54. 1	0.	55. 1	0.0274103
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1629534	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.0499310
66. 1	0.0146018	67. 1	0.2078365	68. 1	0.	69. 1	0.1531111	70. 1	0.
71. 1	0.	72. 1	0.0639325	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.12415634
 ** CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.12415634

SUM NO.	1 IS	0.4243699	SUM NO.	2 IS	0.5756301	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1	15	0.4243699	2	2	0.5756301	0.	0	0.	0	0.	0.	0.	0.
2	15	0.57563											

*** 94 INPUT M5 IDENTIFICATION INCORRECT.
 MINPS=00000000004 NCYCS=00000000013 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
 ** CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.19981807
 ** CONTROL=00000000003

ARITHMETIC OVERFLOW OCCURRED AT LOC 22054

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.20407569
 ** CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.70620450
 ** CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.45726891
 ** CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.35280112
 ** CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.39503501
 ** CONTROL=00000000007
 8 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.39503501

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1391104	2. 1	0.0677244	3. 1	0.1412766	4. 1	0.0171253	5. 1	0.
6. 1	0.1361220	7. 1	0.	8. 1	0.1244223	9. 1	0.2629688	10. 1	0.0971867
11. 1	0.0964057	12. 1	0.1353625	13. 1	0.0077557	14. 1	0.0619630	15. 1	0.0527193
16. 1	0.0439740	17. 1	0.2543025	18. 1	0.	19. 1	0.	20. 1	0.0555355
21. 1	0.	22. 1	0.	23. 1	0.1086841	24. 1	0.0631792	25. 1	0.1142533
26. 1	0.1498101	27. 1	0.	28. 1	0.	29. 1	0.0363148	30. 1	0.1234895
31. 1	0.1420812	32. 1	0.	33. 1	0.	34. 1	0.1496740	35. 1	0.
36. 1	0.	37. 1	0.2501119	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.1606335	42. 1	0.0427229	43. 1	0.1228052	44. 1	0.0860751	45. 1	0.0649825
46. 1	0.2081430	47. 1	0.1433504	48. 1	0.	49. 1	0.1161346	50. 1	0.1582001
51. 1	0.0719271	52. 1	0.0848488	53. 1	0.0597442	54. 1	0.	55. 1	0.0147996
56. 1	0.0488854	57. 1	0.	58. 1	0.	59. 1	0.0764867	60. 1	0.
61. 1	0.2445776	62. 1	0.	63. 1	0.0718399	64. 1	0.	65. 1	0.1422453
66. 1	0.	67. 1	0.1308825	68. 1	0.	69. 1	0.1314627	70. 1	0.
71. 1	0.0757490	72. 1	0.0493881	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.40410344
 ** CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.40810244

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4401657	2. 2	0.5598343	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
SUM NO. 1 IS	0.44017								
SUM NO. 2 IS	0.55983								

*** 95 INPUT MS IDENTIFICATION INCORRECT.
 MINPS=00000000004 NCYCS=00000000012 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
 ** CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.48611103
 ** CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.34722215
 ** CONTROL=00000000005

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.41666660
 ** CONTROL=00000000005

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.45138881
 ** CONTROL=00000000005

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.46874991
 ** CONTROL=00000000005
 7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.46874991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2011923	2. 1	0.0843135	3. 1	0.0635667	4. 1	0.0604391	5. 1	0. 0
6. 1	0.0953160	7. 1	0. 0	8. 1	0.0835812	9. 1	0.2310920	10. 1	0.0909111
11. 1	0.0704978	12. 1	0.0764264	13. 1	0.0409145	14. 1	0.0816877	15. 1	0.0574864
16. 1	0.0856578	17. 1	0.2246572	18. 1	0.0477554	19. 1	0. 0	20. 1	0.1077230
21. 1	0. 0	22. 1	0. 0	23. 1	0.1220772	24. 1	0.0941326	25. 1	0.0787044
26. 1	0.1222551	27. 1	0. 0	28. 1	0.0052961	29. 1	0.0883544	30. 1	0.0864770
31. 1	0.0574214	32. 1	0. 0	33. 1	0. 0	34. 1	0.0881325	35. 1	0. 0
36. 1	0. 0	37. 1	0.1512810	38. 1	0. 0	39. 1	0.0560581	40. 1	0.1010002
41. 1	0.0455258	42. 1	0.0833182	43. 1	0.0833015	44. 1	0.1104691	45. 1	0.1143539
46. 1	0.1005503	47. 1	0.0987291	48. 1	0. 0	49. 1	0.0765491	50. 1	0.0699713
51. 1	0.0584790	52. 1	0.0807169	53. 1	0.0763714	54. 1	0. 0	55. 1	0.0850931
56. 1	0.0654463	57. 1	0. 0	58. 1	0. 0	59. 1	0.1018770	60. 1	0. 0
61. 1	0.1723803	62. 1	0. 0	63. 1	0.0437780	64. 1	0. 0	65. 1	0.0556996
66. 1	0.0202901	67. 1	0.0577280	68. 1	0. 0	69. 1	0.0855467	70. 1	0.0601569
71. 1	0.0925631	72. 1	0.1276390	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.70623036
 ** CONTROL=00000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.60311519
 ** CONTROL=00000000007
 3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.60311519

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5577533	2. 2	0.3564613	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0
SUM NO. 1 IS	0.55775								
SUM NO. 2 IS	0.35646								

*** 96 INPUT MS IDENTIFICATION CORRECT
 MINPS=00000000003 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40166008
 ** CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.92122816
 ** CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.44079623
 ** CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.18101220
 ** CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.31090420
 ** CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.24545821
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.24545821

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0. 0	2. 1	0.6506029	3. 1	0. 0	4. 1	0. 0	5. 1	0. 0
6. 1	0. 0	7. 1	0. 0	8. 1	0.1827311	9. 1	0. 0	10. 1	0. 0
11. 1	0. 0	12. 1	0. 0	13. 1	0. 0	14. 1	0. 0	15. 1	0. 0
16. 1	0. 0	17. 1	0. 0	18. 1	0. 0	19. 1	0. 0	20. 1	0. 0
21. 1	0. 0	22. 1	0. 0	23. 1	0. 0	24. 1	0. 0	25. 1	0. 0
26. 1	0.7524167	27. 1	0. 0	28. 1	0. 0	29. 1	0. 0	30. 1	0. 0
31. 1	0. 0	32. 1	0. 0	33. 1	0. 0	34. 1	0.7401356	35. 1	0. 0
36. 1	0. 0	37. 1	0. 0	38. 1	0. 0	39. 1	0.2657378	40. 1	0. 0
41. 1	0. 0	42. 1	0. 0	43. 1	0. 0	44. 1	0. 0	45. 1	0. 0
46. 1	0. 0	47. 1	0. 0	48. 1	0. 0	49. 1	0. 0	50. 1	0.9064639
51. 1	0. 0	52. 1	0. 0	53. 1	0. 0	54. 1	0. 0	55. 1	0. 0
56. 1	0. 0	57. 1	0. 0	58. 1	0. 0	59. 1	0. 0	60. 1	0. 0
61. 1	0. 0	62. 1	0. 0	63. 1	0.1233639	64. 1	0. 0	65. 1	0. 0
66. 1	0. 0	67. 1	0.5583257	68. 1	0. 0	69. 1	0. 0	70. 1	0. 0
71. 1	0. 0	72. 1	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.34383061
 ** CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.72764125
 ** CONTROL=00000000003
 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.72766125

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	2	0.	2	2	1.0000000	0	0	0.	0	0	0.
2	15	0.									
2	15	1.000000									

*** 97 INPUT V5 IDENTIFICATION CORRECT
 MINPS=00000000002 NCYCS=00000000014 INDIC=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.05834565
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.16793536
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.16793536

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1	0.	2	0.0441527	3	0.0283040	4	0.	5	0.1867538
6	1.0718642	7	0.	8	0.7809764	9	0.	10	0.
11	0.	12	0.1381516	13	0.	14	0.	15	0.1013272
16	0.	17	0.	18	0.	19	0.	20	0.1040540
21	0.	22	0.	23	0.	24	0.	25	0.
26	0.	27	0.2049228	28	0.	29	0.	30	0.0407825
31	0.	32	0.	33	0.	34	0.3072839	35	0.5365107
36	0.	37	0.	38	0.	39	0.1266624	40	0.
41	0.	42	0.3476746	43	0.	44	0.	45	0.
46	0.	47	0.	48	0.	49	0.	50	0.2170315
51	0.	52	0.	53	0.	54	0.	55	0.
56	0.	57	0.	58	0.	59	0.	60	0.
61	0.0800594	62	0.	63	0.	64	0.	65	0.
66	1.0744449	67	0.	68	0.	69	0.	70	0.
71	0.	72	0.	0	0	0	0	0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.39241348
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.78482698
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.78482698

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	2	1.0000000	2	2	0.	0	0	0.
1	15	1.000000						
2	15	0.						

*** 98 INPUT H6 IDENTIFICATION CORRECT
 MINPS=00000000001 NCYCS=00000000014 INDIC=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.49468443
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.20190826
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.90913709
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.55552018
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.37871422
 ** CONTROL=00000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.37871422

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1	0.	2	0.2303453	3	0.	4	0.	5	0.
6	0.	7	0.	8	0.	9	0.	10	0.
11	0.	12	0.7303300	13	0.	14	0.1748991	15	0.
16	0.	17	0.	18	0.	19	0.	20	0.
21	0.	22	0.	23	0.	24	0.	25	0.2924517
26	0.	27	0.	28	0.	29	0.	30	0.
31	0.49053489	32	0.	33	0.	34	0.	35	0.
36	0.1777240	37	0.0426233	38	0.	39	0.	40	0.
41	0.	42	0.	43	0.0239961	44	0.3974680	45	0.
46	0.	47	0.	48	0.	49	0.	50	0.
51	0.	52	0.	53	0.	54	0.1227968	55	0.7082163
56	0.	57	0.	58	0.	59	0.	60	0.
61	0.	62	0.6907456	63	0.2239933	64	0.	65	0.7278382
66	0.	67	0.	68	0.	69	0.	70	0.
71	0.	72	0.	0	0	0	0	0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.20905681
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.85452440
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.03179260
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.03179260

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0546619	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO.	1 IS	0.							
SUM NO.	2 IS	1.05466							

*** 99 INPUT V6 IDENTIFICATION CORRECT
 MINPS=00000000014 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.30728802
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.59804808
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.88880813
 ** CONTROL=00000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.88880813

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	1.0969362
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	1.2339144	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	1.0566812
36. 1	1.0304102	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.9590965	67. 1	0.	68. 1	0.	69. 1	0.0108444	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999988
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=00000000005
 5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.99999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0080184	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO.	1 IS	1.00802							
SUM NO.	2 IS	0.							

*** 100 INPUT M1 IDENTIFICATION CORRECT
 MINPS=00000000013 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40295397
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.16840430
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.93385462
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.55112946
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.35976689
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.45544817
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.45544817

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.7256120	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.7308360	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.5319487
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.6629287
31. 1	0.1764062	32. 1	0.3952163	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.6916780	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.3150484	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.5225646	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.6235599	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.08072856
 ** CONTROL=00000000001
 1 BIAS CHANGES

```

LEVEL 1 MS = 0.10000000 BIAS = -0.00000000
COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1 1 0. 2 2 0. 3 3 0. 4 4 0.
SUM NO. 1 15 2 2 3 3 4 4
SUM NO. 1 15 2 2 3 3 4 4

```

```

*** I01 INPUT #1 IDENTIFICATION CORRECT
MIMPS=0000000011 NCYCS=0000000014 INDICT=00000000001

```

```

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.93127946
** CONTROL=00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.95789529
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.98434217
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.31096495
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.24767094
** CONTROL=00000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.06471134
** CONTROL=00000000007
  * BIAS CHANGES

```

```

LEVEL 1 MS = 0.20000000 BIAS = -1.06003134
COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1 1 0. 2 2 0. 3 3 0. 4 4 0. 5 5 0.
6 6 0. 7 7 0. 8 8 0. 9 9 0. 10 10 0.
11 11 0. 12 12 0. 13 13 0. 14 14 0. 15 15 0.
16 16 0. 17 17 0. 18 18 0. 19 19 0.21987605 20 20 0.
21 21 0. 22 22 0.6327525 23 23 0. 24 24 0. 25 25 0.
31 31 0. 32 32 0. 33 33 0. 34 34 0. 35 35 0.
36 36 0.2580972 37 37 0. 38 38 0. 39 39 0. 40 40 0.
41 41 0. 42 42 0. 43 43 0. 44 44 0. 45 45 0.
46 46 0. 47 47 0. 48 48 0. 49 49 0. 50 50 0.
51 51 0. 52 52 0. 53 53 0. 54 54 0. 55 55 0.
56 56 0. 57 57 0.5113682 58 58 0. 59 59 0. 60 60 0.
61 61 0. 62 62 0. 63 63 0. 64 64 0.3000878 65 65 0.
66 66 0. 67 67 0. 68 68 0. 69 69 0.2.9575094 70 70 0.
71 71 0. 72 72 0. 73 73 0. 74 74 0. 75 75 0.

```

```

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
** CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
** CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999998
** CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
** CONTROL=00000000007
  * BIAS CHANGES

```

```

LEVEL 2 MS = 0.01000000 BIAS = -2.49999991
COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1 2 1.019772 2 2 0. 3 3 0. 4 4 0. 5 5 0.
SUM NO. 1 15 1.01978 2 2 0. 3 3 0. 4 4 0.
SUM NO. 2 15 0.

```

```

*** I02 INPUT #2 IDENTIFICATION CORRECT
MIMPS=0000000011 NCYCS=0000000014 INDICT=00000000001

```

```

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.38677062
** CONTROL=00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.01903421
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.65124779
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.33516601
** CONTROL=00000000007
  * BIAS CHANGES

```

```

LEVEL 1 MS = 0.20000000 BIAS = -1.33516601
COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1 1 0. 2 2 0. 3 3 0. 4 4 0. 5 5 0.
6 6 0. 7 7 0. 8 8 0. 9 9 0. 10 10 0.
11 11 0. 12 12 0. 13 13 0. 14 14 0. 15 15 0.
16 16 0.7792031 17 17 0. 18 18 0. 19 19 0. 20 20 0.
21 21 0. 22 22 0. 23 23 0.3270625 24 24 0. 25 25 0.
26 26 0. 27 27 0. 28 28 0. 29 29 0. 30 30 0.
31 31 0. 32 32 0. 33 33 0. 34 34 0. 35 35 0.
36 36 0. 37 37 0. 38 38 0. 39 39 0. 40 40 0.
41 41 0.6316224 42 42 0.6608591 43 43 0. 44 44 0. 45 45 0.
46 46 0. 47 47 0.7655716 48 48 0.6101488 49 49 0. 50 50 0.
51 51 0. 52 52 0. 53 53 0. 54 54 0. 55 55 0.
56 56 0. 57 57 0.0153873 58 58 0. 59 59 0. 60 60 0.
61 61 0. 62 62 0. 63 63 0. 64 64 0. 65 65 0.
66 66 0. 67 67 0. 68 68 0. 69 69 0. 70 70 0.
71 71 0. 72 72 0.3506950 73 73 0. 74 74 0. 75 75 0.

```

```

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.37929477
** CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.75858957
** CONTROL=00000000003
  * BIAS CHANGES

```

LEVEL 2 MS = 0.01000000 BIAS = -0.75048957

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
SUM NO. 2 IS 1.00000

*** 103 INPUT V2 IDENTIFICATION CORRECT
MINPS=00000000010 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39721607
** CONTROL=00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.76514055
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.13306503
** CONTROL=00000000003
3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.13306503

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.576951
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.1102393	19. 1	0.	20. 1	0.
21. 1	0.9934687	22. 1	0.5619129	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.6670545	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.2325191	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.6393504	58. 1	0.1567350	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.5694541
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999499
** CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
** CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.97663745
** CONTROL=00000000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.73831871
** CONTROL=00000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.11915934
** CONTROL=00000000007
5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.11915934

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0932064	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 1.09321
SUM NO. 2 IS 0.

*** 104 INPUT H3 IDENTIFICATION CORRECT
MINPS=00000000007 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.49458429
** CONTROL=00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.9914075
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.48769721
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.23941898
** CONTROL=00000000007
4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.23941898

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1723354	4. 1	0.6880642	5. 1	0.
6. 1	0.6433650	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.909876
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.6774455	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.2201309	29. 1	0.0494712	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.6240894
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.1720384	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.2465220	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0291603	60. 1	0.6877206
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.25995070
** CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.51990142
** CONTROL=00000000003
2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.51940147

SUM NO.	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1 2	0.0075090		2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 15	0.00751									
SUM NO. 2 15	1.00000									

*** 105 INPUT V3 IDENTIFICATION CORRECT
 MINPS=00000000006 NCYCS=00000000014 INDIC1=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.17862027
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.3980770
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.61917418
 ** CONTROL=00000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.61917418

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.7858030	10. 1	0.2562613
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0009135	15. 1	0.
16. 1	0.1050509	17. 1	0.5787740	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.4715670	29. 1	0.	30. 1	0.
31. 1	0.2431179	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	1.0212440	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.5421486	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.0332340
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.4802980
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -24.17943358
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -12.83971079
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -7.16985640
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -4.33492917
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.91746458
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.20873231
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.56309843
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.38591537
 ** CONTROL=00000000007
 10 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.38591537

SUM NO.	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1 2	1.0718538		2. 2	0.	0. 0	0.	0. 0	0.
SUM NO. 1 15	1.07185							
SUM NO. 2 15	0.							

*** 106 INPUT M4 IDENTIFICATION CORRECT
 MINPS=00000000005 NCYCS=00000000014 INDIC1=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.43980776
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.21755655
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.99510534
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.60643095
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.41199376
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.50921234
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.50921234

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.4518746	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.7005747
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.0093905	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.7001839
46. 1	0.4233692	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.6926285	52. 1	0.5624847	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6730596	68. 1	0.	69. 1	0.6785990	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.41350174
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.82700349
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.8270349

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	1	0.	2	2	1.0000000	0	0	0.	0	0	0.
2	1	0.	2	2	1.0000000	0	0	0.	0	0	0.

*** 107 INPUT V4 IDENTIFICATION CORRECT
 MINPS=00000000004 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06084643
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.62742871
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.34413858
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.2024952
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.27331604
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.23790479
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.25561041
 ** CONTROL=00000000007
 7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.25561041

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0323965	2. 1	0.2894084	3. 1	0.1287593	4. 1	0.0171790	5. 1	0.
6. 1	0.6647751	7. 1	0.	8. 1	0.3215160	9. 1	0.3403427	10. 1	0.1268314
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0292659	15. 1	0.0752094
16. 1	0.1426475	17. 1	0.2728716	18. 1	0.0178048	19. 1	0.	20. 1	0.1372104
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.3021051	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.1834377	30. 1	0.0484573
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0937632	35. 1	0.
36. 1	0.	37. 1	0.2781652	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.2334838	43. 1	0.0275163	44. 1	0.0797065	45. 1	0.0331990
46. 1	0.0872962	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2630053
51. 1	0.0221812	52. 1	0.0105140	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1105037	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1471853	67. 1	0.1396347	68. 1	0.	69. 1	0.1349074	70. 1	0.0408908
71. 1	0.	72. 1	0.1219665	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.18256199
 ** CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.18256199

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	1	0.9037481	2	2	0.0962519	0	0	0.	0	0	0.
2	1	0.90375	2	2	0.09625	0	0	0.	0	0	0.

*** 108 INPUT M5 IDENTIFICATION CORRECT
 MINPS=00000000003 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40929663
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.96841955
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.52754247
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.24798101
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.24798101

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.8659768	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.5265630	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.7518128	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.7518652	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.8711916	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.9195444
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.2028607	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.5962655	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.41416685
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.82833374
 ** CONTROL=00000000003
 2 BIAS CHANGES

SUM NO. 2 IS 00000

*** 111 INPUT V6 IDENTIFICATION CORRECT
MEMPS=00000000014 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.28044811
CONTROL=00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.58275731
CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.88506651
CONTROL=00000000003
5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.88506651

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	1.1147087
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	1.3360568	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	1.0794791
36. 1	1.1066004	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.8598056	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
CONTROL=00000000005
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
CONTROL=00000000005
5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.99999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9558736	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.95587
SUM NO. 2 IS 0.

*** 112 INPUT H1 IDENTIFICATION CORRECT
MEMPS=00000000013 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41083652
CONTROL=00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.19310625
CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.97537598
CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.5424112
CONTROL=00000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.38867369
CONTROL=00000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.48645741
CONTROL=00000000007
6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.48645741

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.7119295	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.7164168	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.5082116
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.07457
31. 1	0.1818682	32. 1	0.4370293	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.6773839	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.3510807	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.5066143	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.6146519	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.18701920
CONTROL=00000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.37403841
CONTROL=00000000003
2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.37403841

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO.	1 IS								
SUM NO.	2 IS		1.00000						

*** 113 INPUT V1 IDENTIFICATION CORRECT
 MIMPS=000000000012 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.31890905
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.69522704
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.07154503
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.07154503

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.2854704	20. 1	0.

21. 1	0.	22. 1	0.6850486	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.7796127	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.2547902	37. 1	0.	38. 1	0.8583176	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.5040992	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.2894417	64. 1	0.9771125	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.6370880	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999980
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=000000000005
 5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.99999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0327549	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO.	1 IS								
SUM NO.	2 IS		1.03275						

*** 114 INPUT H2 IDENTIFICATION CORRECT
 MIMPS=000000000011 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39506543
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.06943373
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.74380204
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.40661789
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.40661789

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.7027327	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.3842217	24. 1	0.5499517	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.6364975	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5874976	42. 1	0.5869867	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.7105873	48. 1	0.5447267	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.4099844	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.44566250
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.89132501
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.89132501

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 115 INPUT V2 IDENTIFICATION CORRECT
 MINPS=00000000010 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37533773
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.73477395
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.09421016
 ** CONTROL=00000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.09421016

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.4538512
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.1408403	19. 1	0.	20. 1	0.
21. 1	1.0516626	22. 1	0.5776545	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.7204798	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.2444111	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.7362937	58. 1	0.2803550	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.5692769
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -10.53318477
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -6.01659238
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.75829616
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.62914807
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.06457400
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.34686103
 ** CONTROL=00000000007
 8 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.34686103

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0534697	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.05347								
SUM NO. 2 IS	0.								

*** 116 INPUT M3 IDENTIFICATION CORRECT
 MINPS=00000000007 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.49984999
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.01342389
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.52699779
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.27021085
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.27021085

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1534753	4. 1	0.7214759	5. 1	0.
6. 1	0.5080166	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.9049462
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.7327600	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.2015047	29. 1	0.0297067	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.6796289
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.1434868	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.3191281	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0128628	60. 1	0.7672876
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.18544753
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.37087507
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.37089507

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 117 INPUT V3 IDENTIFICATION CORRECT
 MINPS=00000000006 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.7853724
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.44513659
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.68173392
 ** CONTROL=00000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.68173392

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.9022186	10. 1	0.2647499
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.0584956	17. 1	0.7169465	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.4687509	29. 1	0.	30. 1	0.
31. 1	0.2746229	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	1.1058497	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.5747857	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.5635890
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991
 ** CONTROL=00000000005
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9751388	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.97614								
SUM NO. 2 IS	0.								

*** 118 INPUT M4 IDENTIFICATION CORRECT
 MINPS=00000000005 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.44130120
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.25400855
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.06671590
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.66036223
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.45718540
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.55877382
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.55877382

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.3947784	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6363307
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.6695907
46. 1	0.4181846	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.4498571	52. 1	0.5809921	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.5706672	68. 1	0.	69. 1	0.6533369	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.47505103
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.96252552
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.19378828
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 2 MS = 0.0100000 BIAS = -1.19378028

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 15	1. 2	0.	2 15	2. 2	0.9553471	0. 0	0. 0	0.	0. 0	0. 0	0.
2 15	1. 15	0.	2 15	2. 15	0.95535						

*** 119 INPUT V4 IDENTIFICATION CORRECT
 NINPS=00000000004 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.01658085
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.05689910
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 1 MS = 0.2000000 BIAS = 0.05689910

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.5256546	3. 1	0.1324367	4. 1	0.	5. 1	0.
6. 1	0.4098386	7. 1	0.	8. 1	0.4886398	9. 1	0.1805442	10. 1	0.0591679
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0117519
16. 1	0.1293811	17. 1	0.1364228	18. 1	0.	19. 1	0.	20. 1	0.1350383
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.4872193	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.2729050	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0513097	35. 1	0.
36. 1	0.	37. 1	0.1667370	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.3871509	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.4869135
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.0296254	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1371808	67. 1	0.1381329	68. 1	0.	69. 1	0.1174701	70. 1	0.
71. 1	0.	72. 1	0.1266708	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.53290822
 ** CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.0100000 BIAS = -0.53290822

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 15	1. 2	0.4372158	2 15	2. 2	0.5627842	0. 0	0. 0	0.	0. 0	0. 0	0.
2 15	1. 15	0.43722	2 15	2. 15	0.56278						

*** 120 INPUT M5 IDENTIFICATION INCORRECT.

NEW G-WEIGHTS FROM RESULT OF INPUT 120

COMPONENT 1. 1 G-WEIGHTS

0.49571228	0.51788330	0.50275830	0.49572754	0.49572754
0.49572754	0.50105286	0.49572754	-0.50091553	-0.50091553
-0.50091553	-0.50091553	-0.49334717	-0.50091553	-0.50091553
-0.50091553	0.48864746	0.48864746	0.48864746	0.51882935
0.48864746	0.48864746	0.51882935	0.51882935	-0.50749207
-0.50749207	-0.50749207	-0.50749207	-0.47732544	-0.47732544
-0.50749207	-0.50749207	0.	0.	0.

COMPONENT 2. 1 G-WEIGHTS

1.0000000	0.22088623	0.40966797	0.73013306	0.24575806
0.21130772	0.29097407	0.89128113	-0.80270386	-0.06205750
-0.80270386	-0.76400757	-0.21075914	-0.65811157	-0.68307068
-0.03465271	0.16149475	0.86616516	0.86616516	0.86616516
0.47074190	0.49285889	0.15686035	0.13949585	-0.50932312
-0.42124339	-0.44183350	-0.44947815	-0.44949867	-0.83721924
-0.44183350	-0.44949867	0.	0.	0.

COMPONENT 3. 1 G-WEIGHTS

0.52653503	0.50601196	0.38049716	0.49165344	0.26461792
0.52377319	0.87609863	0.43077087	0.	-0.62806702
-0.26202393	-0.48365784	-0.65802002	-0.91427612	-0.49246216
-0.56144714	0.	0.82327271	0.82327271	0.49002075
0.56852722	0.73326111	0.24157715	0.32003514	-0.40585327
-0.78250122	-0.40585327	-0.43339539	0.35058594	-0.40585327
-0.43339539	-0.78250122	0.	0.	0.

COMPONENT 4. 1 G-WEIGHTS

0.60900879	0.44898987	0.46209717	0.50799561	0.47383118
0.49540710	0.48818970	0.51441956	-0.61752319	0.
-0.62717712	-0.61865235	-0.67056274	-0.24250793	-0.62008667
-0.60844421	0.52166746	0.52772522	0.53004456	0.44813539
0.43550110	0.50967407	0.51573181	0.51147481	0.
-0.55180359	-0.55003357	-0.62222290	-0.63432312	-0.54597473
-0.54377747	-0.55180359	0.	0.	0.

COMPONENT 5. 1 G-WEIGHTS

0.42150508	0.41486084	0.43397522	0.44589233	0.78907776
0.41966084	0.62599182	0.44374034	-0.49853516	-0.52478027
-0.56719971	-0.40719604	-0.54365845	-0.59385481	-0.51745605
-0.29728699	0.79998779	0.79998779	0.	0.
0.79998779	0.79998779	0.79998779	0.	-0.46331787
-0.58782359	0.	-0.63255310	-0.46331787	-0.58782959
-0.63255310	-0.63255310	0.	0.	0.

COMPONENT 6. 1 G-WEIGHTS

0.44297791	0.36573792	0.09205627	0.80244446	1.00000000
0.40507507	0.89147786	0.	-0.43646240	-0.70378113
-0.41827393	0.	-0.56475830	-0.50044250	-0.86408887
-0.51016235	0.21752930	0.96977734	0.27615356	0.50720215
0.96777234	0.27615356	0.27615356	0.50720215	0.
-0.54803467	-0.54803467	-0.48420715	-0.54803467	-0.54803467
-0.90265381	-0.41598511	0.	0.	0.

COMPONENT 7. 1 G-WEIGHTS

1.00000000	0.86056519	0.91648755	0.22515869	0.22578430
0.3671570	0.21629333	0.21696472	-0.64132690	0.
-0.64367676	-0.6427749	-0.64451599	-0.64476013	-0.14201355
-0.64089966	0.66024780	0.66044617	0.67980957	0.64044617
0.67980957	0.55922546	0.	0.	-0.47686768
-0.40826552	-0.50213623	-0.50090027	-0.50065613	-0.50828552
-0.50213623	-0.50065613	0.	0.	0.

COMPONENT 8. 1 G-WEIGHTS

0.34574890	0.32162475	0.48345947	0.35739136	0.36853027
0.77420532	0.95365906	0.39031982	-0.57960510	-0.19537354
-0.67379761	-0.62159729	-0.62457275	-0.10260010	-0.67012024
-0.53227234	0.33715820	0.06175237	0.73648071	0.99826050
0.33715820	0.73648071	0.69442749	0.09815979	-0.47705078
-0.74891663	-0.48092651	-0.47705078	-0.74891663	-0.16360474
-0.42251507	-0.48092651	0.	0.	0.

COMPONENT 9. 1 G-WEIGHTS

0.43978882	0.87098694	0.99662781	0.36431885	0.44274902
0.33921914	0.06799316	0.47828674	-0.59761047	0.
-0.50094604	-0.42443848	-0.59928894	-0.67111206	-0.62251282
-0.58406067	1.00000000	0.	0.02436829	1.00000000
0.02436829	0.92687984	0.02436829	1.00000000	0.
-0.78228760	-0.59594727	-0.07266735	-0.76121521	-0.59594727
-0.59594727	-0.59594727	0.	0.	0.

COMPONENT 10. 1 G-WEIGHTS

0.99859619	0.00216675	0.99859619	0.00216675	0.99859619
0.99859619	0.00123596	0.	-0.65010071	-0.73144368
-0.64889526	-0.67672729	-0.00285339	-0.58001709	-0.02865601
-0.68107665	0.63791931	0.77093506	0.43873596	0.15734863
0.15734863	0.63291931	0.77093506	0.43873596	-0.60099792
-0.6246562	-0.60099792	-0.60002136	-0.06417847	-0.28021240
-0.60099792	-0.60002136	0.	0.	0.

COMPONENT 11. 1 G-WEIGHTS

0.35932922	0.35208130	0.35208130	0.28153992	0.34487915
0.31005859	1.00000000	1.00000000	-0.56451416	-0.59336853
-0.56884766	-0.57234192	-0.56585693	-0.55780029	0.
-0.57234192	0.58918762	0.58918762	0.57482910	0.58918762
0.58918762	0.54136658	0.52700806	0.	-0.47541809
-0.52438843	-0.54672241	-0.49276733	-0.47541809	-0.47541809
-0.52438843	-0.47541809	0.	0.	0.

COMPONENT 12. 1 G-WEIGHTS

0.35937500	0.38323975	0.35643005	0.78672791	1.00000000
0.37928772	0.37878418	0.35617488	0.	0.
-0.75885010	-0.77217102	-0.76797485	-0.28077698	-0.74375916
-0.67645264	0.	0.	0.72474670	0.55967712
0.67456055	0.72474670	0.64169312	0.67456055	-0.40179443
-0.53604126	-0.62973022	-0.49952698	-0.40179443	-0.49952698
-0.62973022	-0.40179443	0.	0.	0.

COMPONENT 13. 1 G-WEIGHTS

0.38248877	0.43605042	0.45640564	0.57922363	0.56159973
0.56901550	0.44990540	0.55978040	-0.54269409	-0.47941589
-0.44476318	-0.53431702	-0.45362854	-0.46156311	-0.59751892
-0.48605347	0.20079041	0.91352844	0.48066711	0.20079041
0.60920715	0.91352844	0.46066711	0.20079041	-0.28372192
-0.69335938	-0.96275330	-0.56446838	-0.28372192	-0.69335938
-0.25927734	-0.25927734	0.	0.	0.

COMPONENT 14. 1 G-WEIGHTS

0.53689475	0.37059021	0.73056030	0.46750196	0.46293640
0.51225281	0.45376587	0.46514893	-0.52507019	-0.55075073
-0.55278015	-0.36555481	-0.53889465	-0.46162415	-0.47309875
-0.53219604	0.11167908	0.	0.70118713	0.84257507
0.26980571	0.64491272	0.92431641	0.50549316	-0.54806519
-0.55810547	-0.40766797	-0.40766797	-0.69699097	-0.55810547
-0.40766797	-0.40766797	0.	0.	0.

COMPONENT 15. 1 G-WEIGHTS

0.30001831	0.26354980	0.59016418	1.00000000	0.30439758
0.25195313	1.00000000	0.28941345	-0.34131385	-0.52118738
-0.55842540	-0.53126526	-0.50572205	-0.54121734	-0.52531433
-0.47851672	0.	0.59376526	0.68551616	0.71853638
0.71853638	0.68667603	0.59376526	0.0017375	-0.48019409
-0.4785242	-0.58412170	-0.48115540	-0.43351616	-0.4785242
-0.58412170	-0.48115540	0.	0.	0.

COMPONENT 16. 1 G-WEIGHTS

0.96730042	0.41809082	0.43713379	0.44649943	0.20477295
0.33195496	0.51911928	0.47508240	-0.57223511	-0.55503845
0.	-0.53216553	-0.61082458	-0.53767817	-0.60408374
-0.58750916	0.57019043	0.54634094	0.63957214	0.38018799
-0.57019043	0.54634094	0.72631726	0.01881409	-0.44307373
-0.63740540	-0.46307373	-0.43740645	-0.46307373	-0.63740540
-0.43740540	-0.46307373	0.	0.	0.

COMPONENT 17. 1 G-WEIGHTS

0.56068420	0.51020813	0.44470215	0.52043152	0.52043152
0.45353699	0.45498657	0.53495789	-0.58750916	-0.46887207
-0.47866768	-0.50602722	-0.56236267	-0.41662598	-0.49957275
-0.48216722	0.	0.50397034	0.	0.74844033
0.99769592	0.99769592	0.	0.95176697	-0.65824466
-0.49559021	0.	-0.65652466	-0.34669882	-0.65652466
-0.83172007	-0.65652466	0.	0.	0.

COMPONENT 18. 1 G-WEIGHTS

0.42355347	0.37432861	0.51899719	0.54301453	0.61293030
0.52117420	0.50865173	0.49729919	-0.58535767	-0.58612061
-0.38616943	0.	-0.59959412	-0.58689880	-0.64653696
-0.40920715	0.75724792	0.75724792	0.75724792	0.75724792
0.45933533	0.51165771	0.	0.	-0.65527442
-0.50447083	-0.52345276	-0.29151917	-0.33120883	-0.68603464
-0.50447083	-0.52345276	0.	0.	0.

COMPONENT 19. 1 G-WEIGHTS

0.40065002	0.40797424	0.36669922	0.37945557	0.76669148
0.35177612	0.39237976	0.93414307	-0.54124451	-0.43887634
-0.50543213	-0.47785950	-0.49420166	-0.47883606	-0.49928284
-0.51425171	0.14968872	0.98831177	0.98831177	0.31730657
0.45167542	0.83535767	0.11967891	0.14968872	-0.59799304
-0.62583923	-0.04870605	-0.75927734	-0.59599304	-0.04870605
-0.72943115	-0.59599304	0.	0.	0.

COMPONENT 20. 1 G-WEIGHTS

0.50476074	0.49803162	0.49966431	0.50988770	0.58120728
0.58503723	0.55169678	0.26968384	-0.54902649	-0.60221863
0.	-0.55039978	-0.45561218	-0.65997314	-0.58268738
-0.60705188	0.62886047	0.54780579	0.54780579	0.34719849
0.62292480	0.54602051	0.34217704	0.41813660	-0.47204590
-0.46781921	-0.67344666	-0.47204590	-0.47204590	-0.46781921
-0.58335876	-0.39138794	0.	0.	0.

COMPONENT 21. 1 G-WEIGHTS

0.25779724	0.94062805	0.26133728	0.41134644	1.00000000
0.52091980	0.33108521	0.27625547	-0.59700012	-0.59700012
-0.56016541	-0.58862305	-0.54914856	0.	-0.55032349
-0.55779874	1.00000000	1.00000000	0.	0.
0.	0.	1.00000000	1.00000000	-0.63740540
-0.68446350	-0.68446350	-0.67176819	0.	0.
-0.63740540	-0.68446350	0.	0.	0.

COMPONENT 22. 1 G-WEIGHTS

0.44624329	0.74183655	0.17477417	0.17477417	1.00000000
0.28755188	0.17477417	1.00000000	-0.55828857	-0.56404114
-0.57574463	0.	-0.57575989	-0.5746548	-0.57575989
-0.57575989	0.27766418	0.93392944	0.93392944	0.37776184
0.	0.22132874	0.93347944	0.32142639	-0.77670288
-0.77670288	-0.77670288	-0.11648560	0.	0.
-0.77670288	-0.77670288	0.	0.	0.

COMPONENT 23. 1 G-WEIGHTS

0.43023682	0.42109680	0.43482971	0.97349548	0.41926575
0.43441772	0.43708801	0.44952393	-0.51161194	-0.43545532
-0.48916626	-0.44010925	-0.56021118	-0.51641846	-0.48910359
-0.55766296	0.68235779	0.68235779	0.84118652	0.7299072
0.62821960	0.11256409	0.19425964	0.10603333	-0.54280090
-0.48210144	-0.48866272	-0.48866272	-0.48866272	-0.48866272
-0.48866272	-0.53172302	0.	0.	0.

COMPONENT 24. 1 G-WEIGHTS

0.43254089	0.69325256	0.63652039	0.07026672	0.69116211
0.48396301	0.49093628	0.50131226	-0.01887512	-0.60237122
-0.37533569	-0.57202148	-0.65733337	-0.4880981	-0.50697327
-0.76826477	0.	0.82684326	0.9146423	0.36824036
0.82684326	0.82684326	0.39146423	0.36824036	-0.40020752
-0.36701965	-0.37060547	-0.86213684	-0.86213684	-0.40020752
-0.36701965	-0.37060547	0.	0.	0.

COMPONENT 25.1 G-WEIGHTS

0.68918321	0.48329163	0.44445788	0.44338989	0.47775269
0.45242310	0.47550476	0.48297827	-0.57000712	-0.43852236
-0.59880229	-0.54167339	-0.25453184	-0.38557434	-0.58583069
-0.82542725	0.74597168	0.62222704	0.73622437	0.5171131
0.74597168	0.53622437	0.14791496	0.14793396	-0.51176453
-0.44307251	-0.38798523	-0.54770159	-0.61650085	-0.38798523
-0.51176453	-0.49307251	0.	0.	0.

COMPONENT 26.1 G-WEIGHTS

0.50000000	0.49241164	0.46974187	0.49780273	0.60000000
0.43420410	0.47493872	0.52993978	-0.51954651	-0.49511719
-0.44900513	-0.52652185	-0.57965614	-0.52882385	-0.38987952
-0.51537805	0.52986619	0.55753271	0.62328050	0.57649067
0.52986619	0.55753271	0.62328050	0.	-0.50724797
-0.51537805	-0.42652693	-0.44591614	-0.59930470	-0.53993225
-0.50724797	-0.42652693	0.	0.	0.

COMPONENT 27.1 G-WEIGHTS

0.37339257	0.45923950	0.36895752	0.37113953	0.50445313
1.00000000	0.36822510	0.41457214	-0.45249939	-0.52188110
-0.50421143	-0.50188337	-0.50395722	-0.51948918	-0.44834900
-0.54391679	0.	1.00000000	1.00000000	0.
0.	1.00000000	0.	1.00000000	-0.70910645
-0.60549927	0.	-0.7010645	-0.60549927	-0.70910645
0.	-0.60163213	0.	0.	0.

COMPONENT 28.1 G-WEIGHTS

0.39108275	0.24273491	0.34291077	0.33808899	1.00000000
1.00000000	0.34291077	0.34291077	-0.65283911	-0.503117566
-0.66139221	0.	-0.65114448	-0.66117859	-0.50416564
-0.28504964	0.91470337	0.3508340	0.	0.64079590
0.91470337	0.32316115	0.	0.85597229	-0.12644531
-0.15447998	-0.12249756	-0.87390137	-0.1249756	-0.8732971
-0.87390137	-0.87390137	0.	0.	0.

COMPONENT 29.1 G-WEIGHTS

0.67122927	0.35122794	0.38320293	0.35075378	0.48956290
0.42663471	0.93699644	0.38966370	-0.49447795	-0.03501897
-0.68156434	-0.61505127	-0.59495544	-0.60997909	-0.59782410
-0.37127686	0.68424398	0.41142273	0.81378174	0.82922363
0.56083679	0.57203674	-0.06417847	0.05417847	-0.51972961
-0.44881775	-0.42881775	-0.40504370	-0.68392744	-0.67242432
-0.42881775	-0.42881775	0.	0.	0.

COMPONENT 30.1 G-WEIGHTS

0.1426636	0.41813660	1.00000000	0.46496582	0.40777588
0.46116638	0.39927673	0.44438171	-0.2089539	-0.55938013
-0.55856323	0.	-0.45973206	-0.52233883	-0.61230469
-0.63786316	0.	0.	0.7750745	0.53404236
0.58012390	0.72950745	0.7145547	0.71241760	-0.63636780
-0.46180725	-0.46180725	-0.68743896	-0.41320801	-0.46180725
-0.46430969	-0.41320801	0.	0.	0.

COMPONENT 31.1 G-WEIGHTS

0.18850709	0.27130127	0.29142761	1.00000000	0.97698975
0.22343445	0.25262451	0.79566956	-0.76957703	-0.85520117
-0.73984070	-0.26440430	0.	-0.77626037	-0.49697876
-0.04670715	0.42390442	0.47338867	0.47215271	0.92868042
0.92868042	0.28681944	-0.89136794	0.46537813	0.
-0.50183105	-0.26789856	0.	-0.73406982	-0.13545227
-0.73406982	-0.7326001	0.	0.	0.

COMPONENT 32.1 G-WEIGHTS

1.00000000	0.26376343	0.27705383	0.28376770	1.00000000
0.28862000	0.61228943	0.27447510	-0.82228088	-0.34074407
-0.62731778	0.	-0.21377563	-0.83827735	-0.12324574
-0.83430481	0.	0.	0.97108350	0.97108350
0.05764771	0.05000305	0.97308350	-0.97308350	-0.27192688
-0.76831055	0.	-0.71452332	-0.76237688	-0.71452332
-0.76831055	0.	0.	0.	0.

COMPONENT 33.1 G-WEIGHTS

0.49541064	0.49496460	0.50529480	0.51237488	0.50144958
0.49845886	0.49841309	0.49357605	-0.50984192	-0.49949646
-0.49510143	-0.51829529	-0.50646473	-0.44396970	-0.51062012
-0.51167785	0.44557190	0.44557190	0.45069885	0.45069885
0.49880381	0.56948853	0.54748853	0.45069885	-0.51167780
-0.51167780	-0.50627116	-0.50627116	-0.43554688	-0.51167780
-0.50627116	-0.51167780	0.	0.	0.

COMPONENT 34.1 G-WEIGHTS

0.52310181	0.41842651	0.48860168	0.54547119	0.48695374
0.43251038	0.63856506	0.46632785	-0.50764465	-0.52699280
-0.51904797	-0.50646128	-0.40678406	-0.53533934	-0.50039473
-0.49719238	0.78927612	0.50895691	0.47116089	0.35716248
0.78524780	0.45144653	0.62976774	0.00892749	-0.59741882
-0.5435181	-0.55741882	-0.20294149	-0.51425171	-0.55741882
-0.64217468	-0.37276240	0.	0.	0.

COMPONENT 35. 1 G-WEIGHTS

0.53246596	0.45263672	0.44818115	0.44012451	0.43266296
0.56570435	0.42224121	0.70991736	-0.36796570	-0.54162599
-0.54162599	-0.45307927	-0.44177246	-0.55357361	-0.55445479
-0.54162596	0.79998779	0.	0.79998779	0.79998779
0.	0.79998779	0.	0.79998779	-0.76728821
-0.76728821	-0.76728821	0.	-0.76728821	-0.31027222
-0.31027222	-0.31027222	0.	0.	0.

COMPONENT 36. 1 G-WEIGHTS

0.62409973	0.94753606	0.49431396	0.19712630	0.32627869
0.21707153	0.18278503	0.52072144	-0.71336365	-0.46463013
-0.72247314	-0.70313862	-0.73248291	-0.37724304	-0.28643799
0.	0.97982768	0.14688110	0.	0.91360474
0.97982768	0.	0.	0.97982768	-0.21708579
-0.71054077	-0.71054077	-0.04986572	-0.21708579	-0.71054077
-0.71054077	-0.47372131	0.	0.	0.

COMPONENT 37. 1 G-WEIGHTS

0.50384521	0.60128784	0.5206102	0.89376831	0.39801025
0.53987122	0.40856934	0.13398743	-0.68777466	-0.80934143
-0.68898610	-0.75987244	-0.00521851	0.	-0.71511361
-0.33366394	0.03453064	1.00000000	0.	1.00000000
0.96546936	0.	0.96546936	0.03453064	-0.60311890
0.	-0.76112366	-0.63574219	-0.60311890	0.
-0.76112366	-0.63574219	0.	0.	0.

COMPONENT 38. 1 C-WEIGHTS

0.59037781	0.34875488	1.00000000	0.36254883	0.58079529
0.34930420	0.34875488	0.41941833	-0.65628052	-0.00962830
-0.65628052	-0.65412903	-0.65617371	-0.35166931	-0.49218750
-0.52362061	0.68432617	0.84883118	0.	0.
0.68437195	0.24883118	0.09477783	0.84883118	-0.63842773
-0.63847351	-0.03477612	-0.63847351	-0.63847351	-0.12988281
-0.63847351	-0.63847351	0.	0.	0.

COMPONENT 39. 1 G-WEIGHTS

0.55807495	0.39137268	0.39512634	0.42947388	0.39028931
0.44653320	1.00000000	0.38911438	-0.52194214	-0.52906799
-0.43516541	-0.45825195	-0.46543884	-0.54389428	-0.50119019
-0.54501343	0.	0.69766235	0.61781311	0.64457703
0.69766235	0.64457703	0.69766235	0.	-0.56285095
-0.50822445	-0.44683838	-0.44143677	-0.54006958	-0.56285095
-0.49084473	-0.44683838	0.	0.	0.

COMPONENT 40. 1 G-WEIGHTS

0.36416626	1.00000000	0.35591125	0.37181091	0.40422058
0.48554993	0.65621948	0.36209106	-0.57014465	-0.57600403
-0.58200073	-0.58198547	-0.53613281	0.	-0.57138062
-0.58232117	0.54678345	0.54425049	0.56629944	0.57388306
0.59997559	0.57388306	0.59990947	0.	-0.50042725
-0.47299194	-0.47856140	-0.47856140	-0.53308105	-0.47299194
-0.53027344	-0.53308105	0.	0.	0.

COMPONENT 41. 1 G-WEIGHTS

0.48176575	0.52294922	0.48826599	0.48870850	0.63002014
0.38038635	0.49240112	0.51544189	-0.54563904	-0.59812073
-0.54203796	-0.63063049	-0.56982422	0.	-0.56111145
-0.59260559	0.65779114	0.65779114	0.51632690	0.49214172
0.66099548	0.51954651	0.49536133	0.	-0.42169189
-0.42169189	-0.57165527	-0.47245483	-0.42169189	-0.57165527
-0.57165527	-0.59744263	0.	0.	0.

COMPONENT 42. 1 G-WEIGHTS

0.85882568	0.24681091	0.37509155	0.52473501	0.31958008
0.48843384	0.69827271	0.48818970	-0.63940430	-0.64125061
-0.68740845	-0.04351807	-0.71371460	-0.56224060	-0.71243286
0.	0.79939270	0.43774414	0.43774414	0.48321533
0.79939270	0.43774414	0.12153625	0.48321533	-0.83686629
-0.56256104	-0.56256104	-0.51640320	-0.19821167	-0.56256104
-0.56256104	-0.19821167	0.	0.	0.

COMPONENT 43. 1 G-WEIGHTS

1.00000000	0.30357361	0.38658142	0.29835510	1.00000000
0.32305908	0.36459351	0.32380676	-0.53732300	-0.33067322
-0.46707453	-0.50688171	-0.51831482	-0.52897644	-0.57814026
-0.51258850	0.63642883	0.63642883	0.64289856	0.49438477
0.48628235	0.55177307	0.55177307	0.	-0.45983887
-0.45983887	-0.61920166	-0.46234131	-0.45983887	-0.45983887
-0.61920166	-0.45983887	0.	0.	0.

COMPONENT 44. 1 G-WEIGHTS

0.43142700	0.43238831	0.48022461	1.00000000	0.38310242
0.41569519	0.43464661	0.42247009	-0.60038757	-0.48117065
-0.60321045	-0.19799805	-0.54637146	-0.47044373	-0.54558105
-0.50487178	0.11659241	0.	0.67312622	0.79811096
0.53739929	0.56089783	0.59440613	0.71940613	0.
-0.61676025	-0.58291626	-0.45652771	-0.72137451	-0.58291626
-0.58291626	-0.45652771	0.	0.	0.

COMPONENT 45. 1 G-WEIGHTS				
0.44766726	0.19379308	1.00000000	1.00000000	0.28390503
0.33038330	0.3996665	0.34576416	-0.72366333	-0.44285278
-0.64109802	-0.64138794	-0.63252258	0.	-0.71842957
0.	0.	0.	0.70855713	0.70855713
0.58345037	0.71694472	0.70503235	0.57739258	-0.42187500
-0.45811462	-0.63606262	-0.4217500	-0.46603394	-0.46603394
-0.67231750	-0.45764160	0.	0.	0.
COMPONENT 46. 1 G-WEIGHTS				
0.37396240	0.30020142	0.89646912	0.35864258	0.27473450
1.00000000	0.37109375	0.42483521	-0.59722900	-0.50350952
-0.52146362	-0.46975708	-0.30426025	-0.46138611	-0.54286194
-0.48950195	0.09877014	0.00398254	0.84721375	0.84721375
0.71803284	0.53173828	0.55697632	0.39604187	-0.46177673
-0.46177673	-0.46177673	-0.62754822	-0.46177673	-0.46177673
-0.46177673	-0.60173035	0.	0.	0.
COMPONENT 47. 1 G-WEIGHTS				
0.46728516	0.44248962	0.46594238	0.45671062	1.00000000
0.36447144	0.40061951	0.40246582	-0.53594971	-0.47320557
-0.53178406	-0.53398132	-0.50256348	-0.51847839	-0.52939791
-0.37463379	0.	0.64926147	0.67419434	0.69636536
0.63452448	0.64926147	0.69636536	0.	-0.49041748
-0.59936523	-0.48097229	-0.45277405	-0.48097229	-0.52935791
-0.51332042	-0.45277405	0.	0.	0.
COMPONENT 48. 1 G-WEIGHTS				
0.43678284	0.58734131	0.34727478	0.59333801	0.49079590
0.4457926	0.48930359	0.40934753	-0.20491028	-0.83969116
-0.31436157	-0.89727783	0.	-0.67117310	-0.82316589
-0.24940491	0.	0.66868591	0.65888777	0.66868591
0.71795054	0.70680237	0.57893372	0.	-0.42927551
-0.48535156	-0.48535156	-0.57794189	-0.47338867	-0.48535156
-0.48535156	-0.57794189	0.	0.	0.
COMPONENT 49. 1 G-WEIGHTS				
0.50868225	0.49932861	0.49920654	0.39215088	0.53956604
0.53770447	0.53543091	0.48786926	-0.55842590	-0.49398804
-0.35350037	-0.54505920	-0.54631042	-0.54110718	-0.48587036
-0.47570801	0.18357849	0.	0.	0.88374329
0.58058167	0.88374329	0.88374329	0.58456421	-0.42539978
-0.39764404	-0.76541138	-0.74218750	-0.42539978	-0.39764404
-0.39764404	-0.44860840	0.	0.	0.
COMPONENT 50. 1 G-WEIGHTS				
0.47973633	0.80708313	0.40003967	0.14025879	0.89424133
0.20953369	0.92628479	0.16277649	-0.61737051	-0.56143188
-0.54423032	0.	-0.52668762	-0.63470459	-0.57521057
-0.53973389	0.	0.71582031	0.71582031	0.48710632
0.68667603	0.70779419	0.68667603	0.	-0.42469788
-0.41181946	-0.75163269	-0.1181946	-0.41181946	-0.41181946
-0.75163269	-0.42469788	0.	0.	0.
COMPONENT 51. 1 G-WEIGHTS				
0.31292725	0.12767029	0.12767029	1.00000000	0.30403137
1.00000000	1.00000000	0.12767029	-0.73764038	0.
0.	-0.69839478	-0.37825012	-0.71156311	-0.73706055
-0.73706055	0.32316589	0.57949829	0.82225037	0.30737305
0.32316589	0.82225037	0.82225037	0.	-0.11744690
-0.73770142	-0.72407532	-0.11744690	-0.11744690	-0.73770142
-0.72407532	-0.72407532	0.	0.	0.
COMPONENT 52. 1 G-WEIGHTS				
0.29108337	0.39245605	1.00000000	0.27479553	0.35272217
0.34222412	1.00000000	0.38668873	-0.47284513	-0.56172180
-0.47045898	-0.47293091	-0.55612183	-0.52189636	-0.49359131
-0.45033264	0.	0.	0.82530212	0.82530212
0.69879150	0.82530212	0.82530212	0.	-0.42529297
-0.42529297	-0.57305908	-0.57635498	-0.42529297	-0.42529297
-0.57305908	-0.57635498	0.	0.	0.
COMPONENT 53. 1 G-WEIGHTS				
0.50939941	0.47589111	0.47918701	0.53915405	0.51036072
0.49125671	0.47854614	0.51617437	-0.02326965	-0.55186462
-0.60243225	-0.54173279	-0.58969116	-0.55171204	-0.59800720
-0.54125977	0.29225159	0.29225159	0.	0.62355042
0.44653320	0.69845581	0.77146912	0.87547302	-0.50958252
-0.43524170	-0.43524170	-0.61994934	-0.80000305	-0.43524170
-0.43524170	-0.32945251	0.	0.	0.
COMPONENT 54. 1 G-WEIGHTS				
0.43177795	0.60536194	0.57865406	0.47161865	0.43177795
0.43463134	0.61012268	0.43576050	-0.4558838	-0.53282166
-0.53260003	-0.43818665	-0.49450684	-0.53184509	-0.52046204
-0.53364561	0.	0.75335693	0.76976013	0.72247314
0.68292236	0.58741760	0.48403431	0.	-0.53236389
-0.43236389	-0.52478077	-0.41426086	-0.52478077	-0.45184326
-0.46872131	-0.53236389	0.	0.	0.

COMPONENT 55. 1 G-WEIGHTS

0.29827881	0.27700806	0.99203491	0.34907532	0.35771179
0.47628764	0.84281921	0.40673828	-0.49438477	-0.39309692
-0.50938416	-0.56726674	-0.54411204	-0.53062439	-0.55667114
-0.40242004	0.	0.59416199	0.60594177	-0.60418701
0.54145813	0.54414368	0.55590820	0.55418870	-0.48806763
-0.48806763	-0.47485352	-0.47682150	-0.54899597	-0.54704285
	-0.48806763	0.	0.	0.

COMPONENT 56. 1 G-WEIGHTS

0.48057556	0.48245239	0.54321289	0.54071045	0.49324036
0.44511841	0.54071045	0.45391846	-0.45730591	-0.45182800
-0.5326673	-0.52989197	-0.60461426	-0.45828247	-0.47106934
-0.49389648	0.73179626	0.21830750	0.25299072	0.29972839
0.16222229	0.76649475	0.71543884	0.25299072	-0.80556763
-0.36851591	-0.36851501	-0.41954041	-0.88201904	-0.36851501
-0.41954041	-0.37274170	0.	0.	0.

COMPONENT 57. 1 G-WEIGHTS

0.24134827	0.24134827	0.24134827	0.49752808	0.63500977
0.79370117	1.00000000	0.34965515	-0.53742981	-0.71781921
-0.71591187	0.	-0.57879639	-0.71781921	-0.04405212
-7.68812561	0.93206787	0.44136047	0.21032715	0.93206787
0.45225525	0.	0.09982300	0.73206787	0.
-0.77182007	-0.77182007	0.	-0.77182007	-0.77182007
-0.77182007	-0.14053862	0.	0.	0.

COMPONENT 58. 1 G-WEIGHTS

0.44612122	0.76443481	0.48121643	0.50340271	0.44482422
0.45478821	0.46060181	0.44456482	-0.53424072	-0.53288269
-0.53027344	-0.35842896	-0.52992249	-0.53343201	-0.52604675
-0.45475769	0.96691895	0.17456055	0.96943665	0.21931458
0.30892944	0.21931458	0.17456055	0.96691895	-0.52239990
-0.62545776	-0.53941345	0.	-0.52239990	-0.62545776
-0.53941345	-0.62545776	0.	0.	0.

COMPONENT 59. 1 G-WEIGHTS

0.52536011	0.44697571	0.49285889	0.47044473	0.48910522
0.53555298	0.49778748	0.54187012	-0.47656250	-0.47990417
-0.49218750	-0.50555420	-0.55325317	-0.49238586	-0.52352905
-0.47656250	0.50146484	0.41795349	0.65270996	0.56918335
0.35226440	0.43574524	0.56918335	0.50146484	-0.72540283
-0.42485046	-0.42485046	-0.50842285	-0.42485046	-0.64184570
-0.42485046	-0.42485046	0.	0.	0.

COMPONENT 60. 1 G-WEIGHTS

0.45962524	0.46176147	0.99264526	0.39352417	0.39485168
0.39375305	0.51350403	0.39031982	-0.13899231	-0.59461975
-0.44081116	-0.59536743	-0.59580994	-0.58531189	-0.45655823
-0.59251404	0.	0.57347107	0.70109558	0.60469055
0.47300720	0.42839050	0.65922546	0.56007385	0.
-0.62629700	-0.62495422	-0.62629700	-0.62629700	-0.38336182
-0.48779297	-0.62495422	0.	0.	0.

COMPONENT 61. 1 G-WEIGHTS

0.99659729	0.40274048	0.38212585	0.45658875	0.42770386
0.45858765	0.41624451	0.45938110	-0.61250305	-0.53210449
-0.59815002	-0.38822937	-0.41580200	-0.52360535	-0.47035217
-0.46423828	0.66360474	0.59637451	0.59637451	0.44032788
0.66360474	0.59637451	0.44032788	0.00299072	-0.49154663
-0.47648621	-0.62876892	-0.49154663	-0.49154663	-0.49154663
-0.43696594	-0.49154663	0.	0.	0.

COMPONENT 62. 1 G-WEIGHTS

0.43516541	0.41903687	0.40328979	0.43516541	0.41284180
1.00000000	0.43516541	0.45932007	-0.57608032	-0.06597900
-0.58305359	-0.61018372	-0.34944153	-0.58578491	-0.61131287
-0.61813354	0.58564758	0.54783630	0.55476379	0.59259033
0.58564758	0.58564758	0.54783630	0.	-0.48532104
-0.52702332	-0.51936340	-0.48532104	-0.48532104	-0.48532104
-0.48532104	-0.52702332	0.	0.	0.

COMPONENT 63. 1 G-WEIGHTS

0.21659851	0.75370789	1.00000000	0.21012878	0.21676636
0.68653870	0.23864746	0.67758179	-0.62019348	-0.62019348
-0.61532593	-0.07929993	-0.59439087	-0.51821899	-0.35258484
-0.59977722	0.00514221	0.87951660	0.03218079	0.95867920
0.39334106	0.42034912	0.42034912	0.89039612	-0.55453491
-0.52975464	-0.52975464	-0.55453491	-0.55453491	-0.55453491
-0.52975464	-0.19255066	0.	0.	0.

COMPONENT 64. 1 G-WEIGHTS

0.42778015	0.39096069	0.36750793	0.36750793	1.00000000
0.37593079	0.45492554	0.61534119	-0.62892151	-0.70666504
-0.70666504	-0.5736389	0.	-0.66404724	-0.63630676
0.	0.998779	0.	0.79998779	0.79998779
0.	0.	0.79998779	0.79998779	-0.65882874
0.	-0.67057800	-0.67057800	-0.65882874	0.
-0.67057800	-0.67057800	0.	0.	0.

COMPONENT 65. 1 G-WEIGHTS

0.1635896	1.0000000	0.2754335	1.0000000	0.2396240
0.1400694	0.2317671	1.0000000	-0.2631683	0.
-0.5587310	-0.7464141	-0.6916503	-0.2294464	-0.8169852
-0.6744581	0.	0.	0.7432556	0.7432556
-0.6175949	0.6674358	0.7432556	0.4891357	-0.4833068
-0.2568325	-0.6463012	-0.4833068	-0.4833068	-0.4463012
-0.4833068	-0.4833068	0.	0.	0.

COMPONENT 66. 1 G-WEIGHTS

1.0000000	0.9624482	0.9869232	0.0070190	0.6070190
0.9480322	0.0974104	0.0209173	-0.4714186	-0.5596923
-0.5441436	-0.5683286	-0.5421603	-0.5844879	-0.1669158
-0.5626373	0.	0.8933105	0.8467254	0.4833831
0.0182491	0.0182491	0.8933105	0.8467254	-0.7548987
-0.1964717	0.	-0.7548987	-0.7548987	0.
-0.7548987	-0.7838897	0.	0.	0.

COMPONENT 67. 1 G-WEIGHTS

0.1882322	0.0686950	0.1415579	0.3825683	1.0000000
1.0000000	0.2189178	1.0000000	-0.5268859	-0.5826552
-0.5474090	-0.5236663	-0.1288452	-0.5143737	-0.6026010
-0.5733374	0.2812652	0.7898254	0.7898254	0.7898254
0.5270577	0.5965423	0.1090745	0.0165710	-0.4513244
-0.4513244	-0.4351654	-0.4513244	-0.4513244	-0.6365968
-0.6543883	-0.4685058	0.	0.	0.

COMPONENT 68. 1 G-WEIGHTS

0.4992376	0.5522918	0.5028839	0.4909362	0.4886474
0.4910125	0.4890747	0.4863128	-0.4894104	-0.4991739
-0.4944915	-0.5108337	-0.5502892	-0.5057222	-0.4886474
-0.5115814	0.9689178	0.0687408	0.	0.9689178
0.0555267	0.	0.9689178	0.9689178	-0.7095947
-0.6312103	-0.6983795	0.	-0.6312103	-0.6199798
-0.7095947	0.	0.	0.	0.

COMPONENT 69. 1 G-WEIGHTS

0.3263397	0.9975585	0.2687377	0.2256467	0.9975585
0.3043670	0.4779663	0.4017943	-0.6224517	-0.7183837
-0.6942547	-0.0070953	-0.0657830	-0.6451792	-0.6528167
-0.6524079	0.	0.	0.8235778	0.7534485
0.8735778	0.8235778	0.7519276	0.0236816	-0.4458078
-0.7660647	-0.4291687	-0.3506774	-0.4458078	-0.7660647
-0.3506774	-0.4458078	0.	0.	0.

COMPONENT 70. 1 G-WEIGHTS

0.3883202	0.4067688	0.3850250	1.0000000	0.3804216
0.3835754	0.6669158	0.3899617	-0.7457428	-0.6538543
-0.3260192	-0.7418212	-0.7416229	-0.7487182	0.
-0.0421600	0.9242553	0.3678436	0.	0.7017822
0.9242553	0.3800354	0.	0.7017822	0.
0.	-0.6410064	-0.6794894	-0.6794894	-0.6794894
-0.6410064	-0.6794894	0.	0.	0.

COMPONENT 71. 1 G-WEIGHTS

0.5384063	0.5317993	0.4919128	0.5007782	0.5097045
0.5214691	0.4291687	0.4767150	-0.4576568	-0.5380249
-0.4850311	-0.4729614	-0.5430297	-0.4863586	-0.4879303
-0.5289764	0.6098327	0.2962188	0.2883148	0.3117981
0.6484069	0.6248931	0.6327819	0.5877278	-0.7491455
-0.3905181	-0.4355468	-0.4139862	-0.7491455	-0.3905181
-0.4355468	-0.4355468	0.	0.	0.

COMPONENT 72. 1 G-WEIGHTS

0.5127716	0.5022778	0.5883331	0.4915313	0.4282531
0.4208984	0.5615997	0.4943691	-0.0830841	-0.6373443
-0.6606597	-0.6443932	-0.6047685	-0.7142791	-0.6447601
-0.0106506	0.	0.6989135	0.6619720	0.4002831
0.4372586	0.6251678	0.5881805	0.5881805	0.
-0.1668548	-0.5727842	-0.8514705	-0.5727842	-0.6120300
-0.6120300	-0.6120300	0.	0.	0.

COMPONENT 1. 2 G-WEIGHTS

0.5000000	-0.5000000	0.0177002	0.9983520	0.9983520
0.	0.9814147	0.9983520	0.9983520	0.7089843
0.	0.1105346	0.9814147	0.7001342	0.9814147
0.8814321	0.9814147	0.9814147	0.9983520	0.
0.4794006	0.	0.	0.2484360	0.
0.	0.9814147	0.	0.9891510	0.9814147
0.0191956	0.9814147	0.4483947	0.9814147	0.9983520
0.	0.	0.9814147	0.9814147	0.
0.	0.9814147	0.9814147	0.	0.
0.1912384	0.2483673	0.9814147	0.	0.9814147
0.9814147	0.2022399	0.9969024	0.9814147	0.
0.	0.	0.9814147	0.	0.9814147
0.1205902	0.	0.	0.	0.
-0.6154785	-0.7662506	-0.7934112	-0.0168606	-0.5350189
-0.6634368	-0.2403106	-0.0961151	-0.8872528	-0.7663890
-0.9334564	-0.6669853	-0.7703094	-0.8556976	-0.0571894
-0.3674011	-0.0168606	-0.8556976	-0.8862609	-0.8119201
-0.4684143	-0.9330444	-0.4827575	-0.8743281	-0.7912597
-0.7718811	-0.4987793	-0.4811859	-0.9308319	-0.0961151
0.	-0.8542785	-0.7091827	0.	-0.0494951
-0.0571894	-0.7084198	-0.3899405	-0.6145935	-0.7971496
-0.7721557	-0.8972015	-0.0571894	-0.7994324	-0.7692871
-0.5590100	-0.0168606	-0.7566076	-0.5700073	-0.1390991
-0.815677	-0.2973025	0.	-0.1412209	-0.9135848
-0.1412209	-0.0961151	0.	-0.0571894	-0.1412209
-0.1487121	0.	0.	-0.8831323	-0.8076629
		0.	0.	0.

COMPONENT 2.2 G-WEIGHTS

0.50000000	-0.50000000	0.09725987	0.	C.78744507
0.02163696	0.10595703	0.13082886	0.	0.
0.02163696	0.90385437	0.13316345	0.37556448	C.82106690
0.42828369	0.90738953	0.67698669	0.02163696	C.56123352
0.90271179	0.82031250	0.90234953	0.10781860	0.99951172
0.95085144	0.07440186	0.99951172	0.57490540	0.14036560
0.90238953	0.86128235	0.86128235	0.96922302	C.02163696
0.86128235	0.99951172	0.90913391	0.85687256	C.02163696
0.73680074	0.02163696	0.90738953	0.	C.19619751
0.82186890	0.95685144	0.65769958	0.02163696	C.11313057
0.02163696	0.80201723	0.02163696	0.02163696	C.98271179
0.	0.13954163	0.87666321	0.02163696	0.80456543
0.99951172	0.95085144	0.02163696	0.86128235	-0.90618896
-0.00000000	-0.97307246	-0.12992859	-0.97307246	-0.85980225
-0.97307246	-0.0963897	-0.13383484	-0.97307246	-0.97300720
0.	-0.09796445	-1.00000000	-0.83854675	-0.01133728
-0.09638977	-0.97307246	-0.52258301	-0.81675720	-0.05075073
-0.18193054	-0.0963897	0.	0.	-0.01133728
-0.05075073	-0.33697510	0.	0.	-0.05075073
-0.97307246	-0.20585632	-0.13383484	-0.84626770	-0.88034058
-0.31195068	-0.01133728	-1.00000000	-0.97307246	-0.97300720
-0.14213562	-0.73007200	-0.27120972	-1.00000000	-0.07392889
-0.97307246	-1.00000000	-0.17198181	-0.97307246	-0.18936157
-0.97307246	-0.13383484	-0.03138733	-0.05075073	-0.13383484
-0.61886597	-0.56970215	-0.33969116	-0.97307246	-0.87806702
-0.91133728	0.	0.	-0.87699990	-0.09638977
0.	0.	0.	0.	0.

NINPS=000000000004 MCYCS=000000000013 INDICT=000000000061

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06328273
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.58521065
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.32424669
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.19376472
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.25900570
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.22638521
 ** CONTROL=000000000007
 & BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.22638521

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0047014	2. 1	0.1839024	3. 1	0.2541375	4. 1	0.0791111	5. 1	0.
6. 1	0.2172446	7. 1	0.	8. 1	0.1261806	9. 1	0.2826322	10. 1	0.2255365
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0701166	15. 1	0.1502612
16. 1	0.0973181	17. 1	0.2684492	18. 1	0.0972126	19. 1	0.	20. 1	0.1504318
21. 1	0.	22. 1	0.	23. 1	0.0130194	24. 1	0.0885924	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0944781	30. 1	0.1613395
31. 1	0.0820483	32. 1	0.	33. 1	0.	34. 1	0.1959051	35. 1	0.
36. 1	0.	37. 1	0.4115503	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0471307	42. 1	0.0892732	43. 1	0.1071355	44. 1	0.1040811	45. 1	0.1359149
46. 1	0.2112089	47. 1	0.	48. 1	0.	49. 1	0.0922098	50. 1	0.0084044
51. 1	0.0862275	52. 1	0.0801161	53. 1	0.0256235	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1967298	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0406222	67. 1	0.2812058	68. 1	0.	69. 1	0.2100394	70. 1	0.0714748
71. 1	0.	72. 1	0.1288024	0. 0	0.	0. 0	0.	0. 0	0.0334450

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.31174380
 ** CONTROL=000000000001
 & BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.31174380

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5060723	2. 2	0.4939277	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.50607								
SUM NO. 2 IS	0.49393								

*** 121 INPUT M5 IDENTIFICATION CORRECT
 NINPS=000000000003 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41388808
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.96590416
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.51792024
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.24191220
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.37991622
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.31091422
 ** CONTROL=000000000007
 & BIAS CHANGES

LEVEL 1 MS = 0.2000000 BIAS = -1.3109122

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	C.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	C.0000795	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6000072	35. 1	0.
36. 1	C.	37. 1	0.	38. 1	0.	39. 1	0.0029004	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.0932457
51. 1	C.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	C.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	C.	62. 1	0.	63. 1	0.1094696	64. 1	0.	65. 1	0.
66. 1	C.	67. 1	0.5000050	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.29015072
 ** CONTROL=000000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.50031747
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.50031747

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.						
SUM NO. 2 IS	1.00000						

*** 122 INPUT V5 IDENTIFICATION CORRECT
 #INPS=000000000000? %CYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.11905487
 ** CONTROL=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.31855351
 ** CONTROL=000000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.51805215
 ** CONTROL=000000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41830283
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.41830283

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	1.2607783	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	C.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.3033123	35. 1	0.3161971
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.5977051	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2466203
51. 1	C.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.0397743	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	1.1000186	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	C.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.30767849
 ** CONTROL=000000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.40383923
 ** CONTROL=000000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.95191960
 ** CONTROL=000000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.17787939
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.17787939

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9659544	2. 2	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.96595						
SUM NO. 2 IS	0.						

*** 123 INPUT #6 IDENTIFICATION CORRECT
 #INPS=0000000000001 %CYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.51963009
 ** CONTROL=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.31285808
 ** CONTROL=000000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.10608765
 ** CONTROL=000000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.70947328
 ** CONTROL=000000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.51116610
 ** CONTROL=000000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.41201250
 ** CONTROL=000000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.46158929
 ** CONTROL=000000000007
 7 BIAS CHANGES

LEVEL 1 MS = 0.2000000 BIAS = -1.44158929

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.1684007	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.6588545	13. 1	0.	14. 1	0.2857841	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.3778735
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.4137595	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1308064	37. 1	0.2513633	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.5575528	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.6419039
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.6193685	63. 1	0.2543376	64. 1	0.	65. 1	0.8702321
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.41689993
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.82979989
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.82979989

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 124 INPUT V8 IDENTIFICATION CORRECT
 MINPS=000000000014 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.27716266
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.59841527
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.91966788
 ** CONTROL=00000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.91966788

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	1.0801068
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	1.3002103	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	1.0481199
36. 1	1.1003751	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.7881813	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991
 ** CONTROL=00000000005
 5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9967213	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.99672								
SUM NO. 2 IS	0.								

*** 125 INPUT H1 IDENTIFICATION CORRECT
 MINPS=000000000013 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41666486
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.22237185
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.03007883
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.62622534
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.42429860
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.52526197
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.52526197

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.	13. 1	0.	19. 1	0.	25. 1	0.
6. 1	0.	12. 1	0.	18. 1	0.	24. 1	0.	30. 1	0.4740046
11. 1	0.6675957	17. 1	0.	23. 1	0.	29. 1	0.	35. 1	0.5732744
16. 1	0.	22. 1	0.	28. 1	0.	34. 1	0.	40. 1	0.
21. 1	0.	27. 1	0.	33. 1	0.	39. 1	0.	45. 1	0.
26. 1	0.	32. 1	0.4517888	38. 1	0.	44. 1	0.	50. 1	0.
31. 1	0.1688420	37. 1	0.	43. 1	0.4367856	49. 1	0.3387169	55. 1	0.
36. 1	0.	42. 1	0.	48. 1	0.	54. 1	0.4745305	60. 1	0.
41. 1	0.	47. 1	0.	53. 1	0.	59. 1	0.	65. 1	0.
46. 1	0.	52. 1	0.	58. 1	0.	64. 1	0.	70. 1	0.
51. 1	0.	57. 1	0.	63. 1	0.	69. 1	0.	75. 1	0.
56. 1	0.	62. 1	0.	68. 1	0.	74. 1	0.	79. 1	0.
61. 1	0.5634498	67. 1	0.	73. 1	0.	78. 1	0.	83. 1	0.
66. 1	0.	72. 1	0.	78. 1	0.	83. 1	0.	88. 1	0.
71. 1	0.	77. 1	0.	83. 1	0.	88. 1	0.	93. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.28483044
 CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.58966089
 CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.58966089

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUP NO. 1 IS 0.
 SUP NO. 2 IS 1.00000

*** 126 INPUT V1 IDENTIFICATION CORRECT
 NINPS=00000000012 NCYCS=00000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.31344090
 CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.73876475
 CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.16408859
 CONTROL=00000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.16408859

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.	13. 1	0.	19. 1	0.	25. 1	0.
6. 1	0.	12. 1	0.	18. 1	0.	24. 1	0.	30. 1	0.
11. 1	0.	17. 1	0.	23. 1	0.	29. 1	0.	35. 1	0.
16. 1	0.	22. 1	0.6319851	28. 1	0.	34. 1	0.	40. 1	0.
21. 1	0.	27. 1	0.	33. 1	0.	39. 1	0.	45. 1	0.
26. 1	0.	32. 1	0.7164657	38. 1	0.	44. 1	0.	50. 1	0.
31. 1	0.	37. 1	0.	43. 1	0.7733876	49. 1	0.	55. 1	0.
36. 1	0.1512490	42. 1	0.	48. 1	0.	54. 1	0.	60. 1	0.
41. 1	0.	47. 1	0.	53. 1	0.	59. 1	0.	65. 1	0.
46. 1	0.	52. 1	0.	58. 1	0.	64. 1	0.	70. 1	0.
51. 1	0.	57. 1	0.3771640	63. 1	0.	69. 1	0.9175230	75. 1	0.
56. 1	0.	62. 1	0.	68. 1	0.1579213	74. 1	0.	79. 1	0.
61. 1	0.	67. 1	0.	73. 1	0.7735559	78. 1	0.	83. 1	0.
66. 1	0.	72. 1	0.	78. 1	0.	83. 1	0.	88. 1	0.
71. 1	0.	77. 1	0.	83. 1	0.	88. 1	0.	93. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991
 CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.62499994
 CONTROL=00000000005
 7 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.62499994

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0071205	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUP NO. 1 IS 1.00712
 SUP NO. 2 IS 0.

*** 127 INPUT M2 IDENTIFICATION CORRECT
 NINPS=00000000011 NCYCS=00000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39941734
 CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.08282129
 CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.76622525
 CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.42452328
 CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.2000000 BIAS = -1.42457528

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.5810505	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.2049264	24. 1	0.5596467	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.5309540	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5752550	42. 1	0.5615257	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.6903206	48. 1	0.5318957	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.4712604	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.35781412

CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.71542125

CONTROL=00000000003

2 BIAS CHANGES

LEVEL 2 MS = 0.0100000 BIAS = -0.71542125

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	3. 2	0. 0	4. 2	0. 0	5. 2	0. 0
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 128 INPUT Y2 IDENTIFICATION CORRECT
MINPS=00000000010 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.36443095

CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.73392271

CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.10341446

CONTROL=00000000003

3 BIAS CHANGES

LEVEL 1 MS = 0.2000000 BIAS = -1.10341446

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.3518396
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.0200154	19. 1	0.	20. 1	0.
21. 1	1.0578063	22. 1	0.5625351	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.7442309	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.2232077	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.8124031	58. 1	0.3813553	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.5055658
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999

CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996

CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -16.78257179

CONTROL=00000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -9.14128578

CONTROL=00000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -5.32064289

CONTROL=00000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.41032144

CONTROL=00000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.45516071

CONTROL=00000000007

7 BIAS CHANGES

LEVEL 2 MS = 0.0100000 BIAS = -2.45516071

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9834739	2. 2	0.	3. 2	0. 0	4. 2	0. 0	5. 2	0. 0
SUM NO. 1 IS	0.98342								
SUM NO. 2 IS	0.								

*** 129 INPUT M3 IDENTIFICATION CORRECT
MINPS=00000000007 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.50204491

CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.03403874

CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.56598257

CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.30001065

CONTROL=00000000007

4 BIAS CHANGES

LEVEL 1 MS = 0.7000000 BIAS = -1.30001065

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1594021	4. 1	0.6941969	5. 1	0.
6. 1	0.5843440	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.0634054
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.0815995	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1050324	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.2365106
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.1107465	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.4037128	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.7361234
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.09261174
 ** CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.0100000 BIAS = 0.09061174

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9093002	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
 SUM NO. 2 IS 0.90939

*** 130 INPUT V3 IDENTIFICATION CORRECT
 NINPS=00000000006 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.22220790
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.45287544
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.60354297
 ** CONTROL=00000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.7000000 BIAS = -0.60354297

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.9071461	10. 1	0.3594812
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.0471779	17. 1	0.6976297	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.5091546	29. 1	0.	30. 1	0.
31. 1	0.3382595	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	1.0428930	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.6608227	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.6349519
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999998
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.87499991
 ** CONTROL=00000000005
 7 BIAS CHANGES

LEVEL 2 MS = 0.0100000 BIAS = -2.87499991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.7864034	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.78640
 SUM NO. 2 IS 0.

*** 131 INPUT H4 IDENTIFICATION CORRECT
 NINPS=00000000005 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.44020809
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.25365314
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.06709817
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.66037567
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.45701441
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.55869503
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.55869503

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.3772920	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6171148
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.6417904
46. 1	0.4521570	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.6308739	52. 1	0.6100736	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.5748547	68. 1	0.	69. 1	0.6238975	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.51690865
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.00845432
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.25422716
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.63134074
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.44278395
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.44278395

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9150457	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	0.91505								

*** 132 INPUT V4 IDENTIFICATION CORRECT
 MINPS=00000000004 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.01371993
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.03744383
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.03744383

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3794341	3. 1	0.3705409	4. 1	0.	5. 1	0.
6. 1	0.6874539	7. 1	0.	8. 1	0.2412506	9. 1	0.2056557	10. 1	0.2293495
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.1402171
16. 1	0.0609882	17. 1	0.1816489	18. 1	0.0371824	19. 1	0.	20. 1	0.1563128
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.1715603	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.1271147	30. 1	0.0821717
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1803298	35. 1	0.
36. 1	0.	37. 1	0.3002836	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.2150763	43. 1	0.0034700	44. 1	0.0022399	45. 1	0.0277400
46. 1	0.2314167	47. 1	0.	48. 1	0.	49. 1	0.0103726	50. 1	0.1331373
51. 1	0.	52. 1	0.0003013	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1248619	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0905652	67. 1	0.3069591	68. 1	0.	69. 1	0.1661971	70. 1	0.
71. 1	0.	72. 1	0.1573841	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.53228721
 ** CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.53228721

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5821985	2. 2	0.4178015	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.58220								
SUM NO. 2 IS	0.41780								

*** 133 INPUT M5 IDENTIFICATION CORRECT
 MINPS=00000000003 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41876620
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.97373217
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.52869815
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.25121516
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.38995665
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.32058591
 ** CONTROL=00000000007
 6 BIAS CHANGES

71148

17904

LEVEL 1 MS = 0.20000000 BIAS = -1.32058591

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.9698389	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.2730161	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.6791850	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6792003	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.7479666	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.8393012
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.2318918	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.5923110	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.43106966
 ** CONTROL=000000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.86213933
 ** CONTROL=000000000003
 ** 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.86213933

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 134 INPUT V5 IDENTIFICATION CORRECT
 MINPS=000000000002 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.15226699
 ** CONTROL=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.42878820
 ** CONTROL=000000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.70530944
 ** CONTROL=000000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.56704880
 ** CONTROL=000000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.63617910
 ** CONTROL=000000000007
 ** 5 BIAS CHANGES

495
171
128

717

400
373

LEVEL 1 MS = 0.20000000 BIAS = -0.63617910

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	1.4600364	7. 1	0.	8. 1	1.2696840	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1935274	35. 1	0.0883197
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.7385640	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.1727511
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	1.0351741	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -18.91753197
 ** CONTROL=000000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -10.20976598
 ** CONTROL=000000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -5.85438299
 ** CONTROL=000000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.67719147
 ** CONTROL=000000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.58854572
 ** CONTROL=000000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.04429784
 ** CONTROL=000000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.31644678
 ** CONTROL=000000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.45252126
 ** CONTROL=000000000007
 ** 10 BIAS CHANGES

LEVEL 2 MS = 0.0100000 BIAS = -2.45252126

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 IS	1. 2	0.9931826	2. 2	0.	0. 0	0. 0	0. 0	0.	0. 0	0. 0	0.
2 IS	1. 2	0.99318									

*** 135 INPUT M6 IDENTIFICATION CORRECT
 MINPS=00000000001 NCYCS=00000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.52330567
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.36675657
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.21020752
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.78848206
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.57761933
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.47216797
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.52490364
 ** CONTROL=000000000007
 7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.52490364

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
6. 1	1. 1	0.	7. 1	2. 1	0.1207475	8. 1	3. 1	0.	9. 1	4. 1	0.
11. 1	1. 1	0.	12. 1	7. 1	0.	13. 1	8. 1	0.	14. 1	9. 1	0.
16. 1	1. 1	0.	17. 1	12. 1	0.5809471	18. 1	13. 1	0.	19. 1	14. 1	0.3732981
21. 1	1. 1	0.	22. 1	17. 1	0.	23. 1	18. 1	0.	24. 1	19. 1	0.
26. 1	1. 1	0.	27. 1	22. 1	0.	28. 1	23. 1	0.	29. 1	24. 1	0.
31. 1	1. 1	0.3541362	32. 1	27. 1	0.	33. 1	28. 1	0.	34. 1	29. 1	0.
36. 1	1. 1	0.0633305	37. 1	32. 1	0.1944414	38. 1	33. 1	0.	39. 1	34. 1	0.
41. 1	1. 1	0.	42. 1	37. 1	0.	43. 1	38. 1	0.	44. 1	39. 1	0.
46. 1	1. 1	0.	47. 1	42. 1	0.	48. 1	43. 1	0.	49. 1	44. 1	0.5674797
51. 1	1. 1	0.	52. 1	47. 1	0.	53. 1	48. 1	0.	54. 1	49. 1	0.
56. 1	1. 1	0.	57. 1	52. 1	0.	58. 1	53. 1	0.	59. 1	54. 1	0.
61. 1	1. 1	0.	62. 1	57. 1	0.5454968	63. 1	58. 1	0.	64. 1	59. 1	0.
66. 1	1. 1	0.	67. 1	62. 1	0.	68. 1	63. 1	0.2195574	69. 1	64. 1	0.
71. 1	1. 1	0.	72. 1	67. 1	0.	0. 0	68. 1	0.	0. 0	69. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.28537576
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.57075153
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.57075153

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1 IS	1. 2	0.	2. 2	1.0000000	0. 0	0. 0	0. 0	0.	0. 0	0. 0	0.
2 IS	1. 2	1.00000									

*** 136 INPUT V6 IDENTIFICATION CORRECT
 MINPS=00000000014 NCYCS=00000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.26886702
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.59706522
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.92530343
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.92530343

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
6. 1	1. 1	0.	7. 1	2. 1	0.	8. 1	3. 1	0.	9. 1	4. 1	0.
11. 1	1. 1	0.	12. 1	7. 1	0.	13. 1	8. 1	0.	14. 1	9. 1	0.
16. 1	1. 1	0.	17. 1	12. 1	0.	18. 1	13. 1	0.	19. 1	14. 1	0.
21. 1	1. 1	0.	22. 1	17. 1	0.	23. 1	18. 1	0.	24. 1	19. 1	0.
26. 1	1. 1	0.	27. 1	22. 1	0.	28. 1	23. 1	0.	29. 1	24. 1	0.
31. 1	1. 1	0.	32. 1	27. 1	1.3148810	33. 1	28. 1	0.	34. 1	29. 1	0.
36. 1	1. 1	1.2019000	37. 1	32. 1	0.	38. 1	33. 1	0.	39. 1	34. 1	0.
41. 1	1. 1	0.	42. 1	37. 1	0.	43. 1	38. 1	0.	44. 1	39. 1	0.
46. 1	1. 1	0.	47. 1	42. 1	0.	48. 1	43. 1	0.	49. 1	44. 1	0.
51. 1	1. 1	0.	52. 1	47. 1	0.	53. 1	48. 1	0.	54. 1	49. 1	0.
56. 1	1. 1	0.	57. 1	52. 1	0.	58. 1	53. 1	0.	59. 1	54. 1	0.
61. 1	1. 1	0.	62. 1	57. 1	0.	63. 1	58. 1	0.	64. 1	59. 1	0.
66. 1	1. 1	0.7379050	67. 1	62. 1	0.	68. 1	63. 1	0.	69. 1	64. 1	0.
71. 1	1. 1	0.	72. 1	67. 1	0.	0. 0	68. 1	0.	0. 0	69. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=000000000005
 5 BIAS CHANGES

LEVEL 2 MS = 0.0100000 BIAS = -3.2499928

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0117297	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.01173								
SUM NO. 2 IS	C.								

*** 139 INPUT M2 IDENTIFICATION CORRECT
 MINPS=00000000011 NCYCS=00000000014 INDIC1=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40808037
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.11217345
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.81626654
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.46422000
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.2000000 BIAS = -1.46422000

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.6368376	17. 1	0.	18. 1	0.	19. 1	0.0356352	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.5978907	24. 1	0.5070315	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.6400526	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5355812	42. 1	0.5308481	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.6426814	48. 1	0.5044427	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.4929687	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.37520728
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.75041457
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.0100000 BIAS = -0.75041457

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	C.								
SUM NO. 2 IS	1.00000								

*** 140 INPUT V2 IDENTIFICATION CORRECT
 MINPS=00000000010 NCYCS=00000000014 INDIC1=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.35277820
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.75532131
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.15786442
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.95659287
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.05722864
 ** CONTROL=00000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.2000000 BIAS = -1.05722864

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.3565086
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.0351369	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	1.1387419	22. 1	0.5957636	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.8352195	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.2715003	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.9819569	58. 1	0.4860371	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.4887221
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=00000000005
 5 BIAS CHANGES

LFVEL 2 MS = 0.0100000 BIAS = -2.99999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0914223	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.09142								
SUM NO. 2 IS	C.								

*** 141 INPUT M3 IDENTIFICATION CORRECT
 MINPS=00000000007 NCYCS=00000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.50691921
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.04088117
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.57484314
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.30786216
 ** CONTROL=00000000007
 4 BIAS CHANGES

LFVEL 1 MS = 0.2000000 BIAS = -1.30786216

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1664275	4. 1	0.6882340	5. 1	0.
6. 1	0.4517313	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.8504781
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.6848946	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1763519	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.8289029
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.0922517	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.5006102	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.7277132
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.19151601
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.38303204
 ** CONTROL=00000000003
 2 BIAS CHANGES

LFVEL 2 MS = 0.0100000 BIAS = 0.38303204

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	C.								
SUM NO. 2 IS	1.00000								

*** 142 INPUT V3 IDENTIFICATION CORRECT
 MINPS=00000000006 NCYCS=00000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.23615064
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.47575364
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.71535663
 ** CONTROL=00000000003
 3 BIAS CHANGES

LFVEL 1 MS = 0.2000000 BIAS = -0.71535663

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.8899607	10. 1	0.4353214
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.0098888	17. 1	0.7269290	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.4912629	29. 1	0.	30. 1	0.
31. 1	0.3932033	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	1.0730531	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.5695047	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.6642328
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.47997796
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49997796
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49997796
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49997796
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99997796
 ** CONTROL=00000000004
 5 BIAS CHANGES

LEVEL 2 MS = 0.0100000 BIAS = -2.99999991

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	15	0.9615171	2	2	0.	0	0	0.	0	0	0.
2	15	0.									

*** 143 INPUT 44 IDENTIFICATION CORRECT
 MINPS=0000000000 NCYCS=00000000014 INOICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.44017281
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.25762609
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.07507935
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.66635273
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.46198942
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.56417108
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.2000000 BIAS = -1.56417108

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.341191H	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.6089193
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.4700259	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.6732419
51. 1	0.6553774	52. 1	0.6117906	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.5662211	68. 1	0.	69. 1	0.6347655	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00000000001
 2 BIAS CHANGES

LEVEL 2 MS = 0.0100000 BIAS = -1.49999996

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	2	0.	2	2	1.0088912	0	0	0.	0	0	0.
2	15	0.									
2	15	1.00889									

*** 144 INPUT V4 IDENTIFICATION CORRECT
 MINPS=00000000004 NCYCS=00000000014 INOICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.04026514
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.10081962
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 1 MS = 0.2000000 BIAS = -0.10081962

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.9150050	3. 1	0.5735994	4. 1	0.	5. 1	0.
6. 1	0.7493942	7. 1	0.	8. 1	0.2447824	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0502402	15. 1	0.2497592
16. 1	0.0031589	17. 1	0.0651620	18. 1	0.	19. 1	0.	20. 1	0.1505717
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.1841043
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.2901128	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1631684	35. 1	0.0263405
36. 1	0.	37. 1	0.2420334	38. 1	0.	39. 1	0.1537418	40. 1	0.
41. 1	0.	42. 1	0.3772663	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.2799127	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.1878102
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.0493739	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0312619	67. 1	0.3561536	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.1509380	0. 0	0.	0. 0	0.1713524	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.6512380
 ** CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.1312380

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2808847	2. 2	0.7191153	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.28088								
SUM NO. 2 IS	0.71912								

*** 145 INPUT M5 IDENTIFICATION INCORRECT.
 MINPS=00000000004 NCYCS=00000000013 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.03193627
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.07773675
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.07773675

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2140345	3. 1	0.1456171	4. 1	0.0055833	5. 1	0.
6. 1	0.1761794	7. 1	0.	8. 1	0.2882410	9. 1	0.2663089	10. 1	0.2043919
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.1045409	15. 1	0.0679967
16. 1	0.1259826	17. 1	0.2439738	18. 1	0.1437869	19. 1	0.	20. 1	0.1889938
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.1299681	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.1149064	30. 1	0.2191687
31. 1	0.0404926	32. 1	0.	33. 1	0.	34. 1	0.2102464	35. 1	0.
36. 1	0.	37. 1	0.3371173	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0405188	42. 1	0.1909013	43. 1	0.0970208	44. 1	0.0723464	45. 1	0.1207141
46. 1	0.1839248	47. 1	0.	48. 1	0.	49. 1	0.1183759	50. 1	0.1074741
51. 1	0.	52. 1	0.	53. 1	0.0521510	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.2477920	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.0958409
66. 1	0.0604871	67. 1	0.2227316	68. 1	0.	69. 1	0.1961814	70. 1	0.0199885
71. 1	0.	72. 1	0.1558792	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.25413390
 ** CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.25413390

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.7062761	2. 2	0.2937279	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.70628								
SUM NO. 2 IS	0.29372								

*** 146 INPUT M5 IDENTIFICATION CORRECT
 MINPS=00000000003 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.42224821
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.99403676
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.56582531
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.27993104
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.27993104

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.9355740	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.2902877	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.7198475	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.7198628	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.8435213	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.9164572
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.3328567	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6172662	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.30790941
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.61581884
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.61581884

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 147 INPUT V5 IDENTIFICATION CORRECT
 MINPS=00000000007 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.15021098
 ** CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40910770
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.66799642
 ** CONTROL=00000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.66799642

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	1.0765902	7. 1	0.	8. 1	1.3054319	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
18. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.2530364	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.9786513	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.1062516
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.9805347	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -12.53572202
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -7.01786101
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -4.25893044
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.87946522
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.18973261
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.53459892
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.36216575
 ** CONTROL=00000000007
 9 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.36216575

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.047482	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.05475								
SUM NO. 2 IS	C.								

*** 148 INPUT H6 IDENTIFICATION CORRECT
 MENPS=00000000001 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.52658275
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.38858065
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.25057855
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.81957960
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.60408013
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.49631040
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.49631040

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.1259120	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.6187742	13. 1	0.	14. 1	0.4438388	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.4949785
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.3777511	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1050592	37. 1	0.2411219	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.5930135	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.6215587
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.5787991	63. 1	0.2728592	64. 1	0.	65. 1	0.8271728
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.10415627
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.60831256
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.0100000 BIAS = -0.60831256

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. C	0.	0. 0	0.
SUM NO. 1 IS	0.						
SUM NO. 2 IS	1.00000						

*** 149 INPUT V6 IDENTIFICATION CORRECT
 MIMPS=00000000014 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.26615168
 ** CONTRL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.59758894
 ** CONTRL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.93302600
 ** CONTRL=00000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.93302600

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	1.0667487
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	1.2999056	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	1.0667487
36. 1	1.1656420	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.7248541	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTRL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTRL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 ** CONTRL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTRL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTRL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991
 ** CONTRL=00000000005
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9000618	2. 2	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.90006						
SUM NO. 2 IS	0.						

*** 150 INPUT H1 IDENTIFICATION CORRECT
 NEW G-WEIGHTS FROM RESULT OF INPUT 150

COMPONENT 1. 1 G-WEIGHTS

0.49571228	0.51788330	0.50225830	0.49572754	0.49572754
0.49572754	0.50105286	0.49572754	-0.50091553	-0.50091553
-0.50091553	-0.50091553	-0.49334717	-0.50091553	-0.50091553
-0.50091553	0.48864746	0.48864746	0.48864746	0.51882935
0.48864746	0.48864746	0.51882935	0.51882935	-0.50749207
-0.50749207	-0.50749207	-0.50749207	-0.47732544	-0.47732544
-0.50749207	-0.50749207	0.	0.	0.

COMPONENT 2. 1 G-WEIGHTS

1.00000000	0.24597168	0.39845276	1.00000000	0.12857056
0.06465149	0.16230774	1.00000000	-0.77096558	-0.11997986
-0.77958679	-0.75033569	-0.23474121	-0.67408752	-0.66160583
-0.00865173	0.44294739	0.72462463	0.72462463	0.72462463
0.65924072	0.65924072	0.03233337	0.03233337	-0.36476009
-0.49551064	-0.50254822	-0.50500488	-0.50502014	-0.61915588
-0.50254822	-0.50502014	0.	0.	0.

COMPONENT 3. 1 G-WEIGHTS

0.52262878	0.30726318	0.36735535	0.48625183	0.20814514
0.31968384	0.96778870	0.42083740	-0.02026367	-0.61338806
-0.13911438	-0.50653076	-0.66151428	-0.96141052	-0.51513672
-0.58261108	0.04295349	0.78259277	0.78259277	0.57048035
0.61938477	0.59161377	0.28073120	0.32962036	-0.43836975
-0.68492126	-0.43836975	-0.45593267	-0.40312195	-0.43836975
-0.45593262	-0.68492126	0.	0.	0.

COMPONENT 4. 1 G-WEIGHTS

0.61370850	0.44732666	0.45739746	0.50350952	0.47601318
0.48977661	0.50210571	0.51051331	-0.62817303	-0.00024414
-0.63053894	-0.62506104	-0.67362976	-0.19253540	-0.63059998
-0.61959839	0.50552368	0.50898743	0.51031494	0.49092102
0.48368835	0.49867249	0.50213623	0.49971008	0.
-0.56840515	-0.56744385	-0.58016968	-0.58663940	-0.56527710
-0.56411743	-0.56840515	0.	0.	0.

COMPONENT 5.1 G-WEIGHTS

0.42150500	0.41986084	0.43197522	0.44589233	0.78707776
0.41986304	0.47599182	0.44374004	-0.49053516	-0.52478027
-0.56719971	-0.46719604	-0.59365045	-0.59385681	-0.51745675
-0.29728699	0.79998779	0.79998779	0.	0.
0.79998779	0.79998779	0.79998779	0.	-0.53033447
-0.57766724	0.	-0.59466553	-0.53033447	-0.57766724
-0.59466553	-0.59466553	0.	0.	0.

COMPONENT 6.1 G-WEIGHTS

0.43682861	0.29144287	0.	0.91078186	1.00000000
0.36083984	1.00000000	0.00006104	-0.44913147	-0.43613892
-0.45481673	-0.04330444	-0.55439648	-0.51159648	-0.80235291
-0.52622984	0.61846924	0.88676453	0.	0.80398560
0.88676453	0.	0.	0.80398560	0.
-0.64582825	-0.64582825	-0.64323425	-0.64582825	-0.64582825
-0.77342224	0.	0.	0.	0.

COMPONENT 7.1 G-WEIGHTS

1.00000000	1.00000000	1.00000000	0.17425537	0.17510986
0.32513428	0.16227722	0.16319275	-0.64517639	0.
-0.66728210	-0.66647339	-0.66802979	-0.66824341	0.
-0.66477966	0.66311646	0.66320601	0.67375020	0.66320601
0.67395020	0.66253662	0.	0.	-0.48576355
-0.50509644	-0.50131226	-0.50054932	-0.50041199	-0.50509644
-0.50131226	-0.50041199	0.	0.	0.

COMPONENT 8.1 G-WEIGHTS

0.25263977	0.18788147	0.61776733	0.26971436	0.30046082
1.00000000	1.00000000	0.37150574	-0.62919617	-0.08561707
-0.68760681	-0.65232849	-0.65849304	0.	-0.68792775
-0.59880056	0.	1.00000000	1.00000000	1.00000000
0.	1.00000000	1.00000000	0.	-0.57684226
-1.544111	-0.57794189	-0.57684226	-0.56449890	0.
-0.561111	-0.57794189	0.	0.	0.

COMPONENT 9.1 G-WEIGHTS

0.44911194	1.00000000	1.00000000	0.33091736	0.42466736
0.30329695	0.02485657	0.46710205	-0.58010864	-0.00503540
-0.53218079	-0.46392822	-0.60765076	-0.63201904	-0.61148071
-0.56753540	0.96405079	0.10783386	0.	0.96405079
0.	1.00000000	0.	0.96405029	-0.03517151
-0.49330139	-0.67324829	0.	-0.77853394	-0.67324829
-0.67324829	-0.67324829	0.	0.	0.

COMPONENT 10.1 G-WEIGHTS

0.98641968	0.01617432	0.98826599	0.00315857	0.98826599
0.98826599	0.02378845	0.00561523	-0.64990234	-0.67005920
-0.64898682	-0.67019653	-0.00617981	-0.59542847	-0.00518902
-0.67399597	0.46585083	0.80307007	0.63546753	0.09556580
0.09556580	0.46585083	0.80307007	0.63546753	-0.65496826
-0.58041382	-0.65496826	-0.65461731	-0.02758789	-0.11773259
-0.65496826	-0.65461731	0.	0.	0.

COMPONENT 11.1 G-WEIGHTS

0.36624146	0.35707092	0.35707092	0.26777649	0.34794617
0.30387878	1.00000000	1.00000000	-0.56533813	-0.59078979
-0.56915283	-0.57223511	-0.56651306	-0.55940247	0.
-0.57655334	0.58116150	0.58116150	0.57330322	0.58116150
0.58116150	0.55494690	0.54705811	0.	-0.48570251
-0.51708984	-0.52717590	-0.49580383	-0.48570251	-0.46570251
-0.51708984	-0.48570251	0.	0.	0.

COMPONENT 12.1 G-WEIGHTS

0.33164978	0.36506653	0.32752991	0.93023682	1.00000000
0.35954285	0.35882568	0.32710266	0.	0.
-0.76560974	-0.77690125	-0.77334595	-0.23554993	-0.75280762
-0.69573775	0.	0.	0.69229126	0.61944580
0.67015076	0.69229126	0.65563965	0.67015076	-0.44981384
-0.51841736	-0.56629944	-0.49975588	-0.44981384	-0.49975586
-0.56629944	-0.44981384	0.	0.	0.

COMPONENT 13.1 G-WEIGHTS

0.38848877	0.43605042	0.45640564	0.57922363	0.56159973
0.56901550	0.44490540	0.55928040	-0.54269409	-0.47941589
-0.44476110	-0.53431702	-0.45362854	-0.46156311	-0.59751892
-0.493605367	0.20074041	0.91352844	0.48066711	0.20079041
0.60920715	0.91352844	0.48066711	0.20079041	-0.28372192
-0.69335138	-0.96275330	-0.56446838	-0.28372192	-0.69335938
-0.25927734	-0.25927734	0.	0.	0.

COMPONENT 14.1 G-WEIGHTS

0.471111	0.33792114	0.88739014	0.42108154	0.41641235
0.471111	0.40765381	0.41853333	-0.52398682	-0.53462119
-0.54432115	-0.37542725	-0.54115295	-0.46728516	-0.47822171
-0.51472700	0.	0.	0.67765808	0.77061462
0.46586609	0.64062500	0.47435608	0.62084961	-0.08171092
-0.61584473	-0.51213074	-0.51213074	-0.63873101	-0.61584473
-0.51213074	-0.51213074	0.	0.	0.

COMPONENT 15. 1 G-WEIGHTS

0.27103192	0.75898743	0.61858037	1.00000000	0.30006409
0.24916077	0.97544497	0.28642273	-0.36256409	-0.52777100
-0.54230032	-0.51799438	-0.51438904	-0.51020013	-0.51722717
-0.48742076	0.01835437	0.64839172	0.70100037	0.64800904
0.64006964	0.64175415	0.64839172	-0.02100110	-0.52139202
-0.51925459	-0.51903220	-0.45379639	0.49272156	-0.51925459
-0.51906220	-0.45379639	0.	0.	0.

COMPONENT 16. 1 G-WEIGHTS

1.00000000	0.40553284	0.42640152	0.67552185	0.19577024
0.30986023	0.51776123	0.46804155	-0.57611084	-0.54033325
-0.00003657	-0.52931213	-0.59867859	-0.53950130	-0.60570918
-0.59011041	0.53137207	0.51846313	0.71185303	0.54745483
0.53137207	0.51846313	0.64099121	0.	-0.50917053
-0.49785400	-0.50917053	-0.49433099	-0.50917053	-0.48705400
-0.42720364	-0.50917053	0.	0.	0.

COMPONENT 17. 1 G-WEIGHTS

0.54217229	0.40297119	0.48925781	0.49311829	0.49311829
0.51388950	0.47724915	0.50819397	-0.53181458	-0.47555562
-0.44560547	-0.52452087	-0.54035218	-0.41209412	-0.47920227
-0.50002397	0.00001218	0.	0.00061218	0.91912042
0.92984709	0.92984009	0.00061218	0.97930908	-0.70346069
-0.58474731	-0.04713440	-0.70346069	0.	-0.70346069
-0.55421449	-0.70346069	0.	0.	0.

COMPONENT 18. 1 G-WEIGHTS

0.43176270	0.37126160	0.50781750	0.53350459	0.62536621
0.51769856	0.49670410	0.51557722	-0.58764648	-0.50836365
-0.46045503	-0.00437927	-0.60037585	-0.58909607	-0.63069153
-0.59849548	0.64892798	0.64890798	0.64880198	0.64880798
0.62202654	0.65017700	0.	0.05253601	-0.48986015
-0.53532410	-0.54667644	-0.40093994	-0.42481995	-0.52032471
-0.53532410	-0.54667644	0.	0.	0.

COMPONENT 19. 1 G-WEIGHTS

0.38219768	0.36967468	0.32760620	0.34060669	0.93360530
0.31240645	0.35379028	1.00000000	-0.53764550	-0.48982239
-0.50497437	-0.47972107	-0.49468994	-0.48962134	-0.49932861
-0.51304626	0.	0.99403381	0.99403381	0.36515008
0.65753174	0.98927279	0.	0.	-0.62167195
-0.64555359	-0.00476074	-0.75148010	-0.62167195	-0.00476074
-0.72778320	-0.62167195	0.	0.	0.

COMPONENT 20. 1 G-WEIGHTS

0.52557173	0.44166945	0.54025259	0.51968384	0.56692505
0.57084656	0.5378076	0.25721741	-0.56092834	-0.61259460
-0.00718689	-0.56225586	-0.47018433	-0.59843445	-0.57786560
-0.61050415	0.53152983	0.46112488	0.48112488	0.48570251
0.52813721	0.48001099	0.48194885	0.53007507	-0.51502991
-0.51231114	-0.51094055	-0.51502991	-0.51502991	-0.51239014
-0.45458964	-0.46456909	0.	0.	0.

COMPONENT 21. 1 G-WEIGHTS

0.22174072	1.00000000	0.22637939	0.42230225	1.00000000
0.56542969	0.31748962	0.24662781	-0.59329224	-0.59329224
-0.56179810	-0.58613586	-0.55236816	0.	-0.55337524
-0.55969238	1.00000000	1.00000000	0.	0.
0.	0.	1.00000000	1.00000000	-0.65020752
-0.67666626	-0.67666626	-0.66954041	0.	0.
-0.65020752	-0.67666626	0.	0.	0.

COMPONENT 22. 1 G-WEIGHTS

0.0750152	1.00000000	0.08603235	0.08003235	1.00000000
0.25239563	0.04003235	1.00000000	-0.56097412	-0.56555176
-0.57485367	0.	-0.57487488	-0.57395935	-0.57487488
-0.57487488	0.30747986	0.93379211	0.93379211	0.33467102
0.	0.26463318	0.93379211	0.29182434	-0.77606201
-0.77606201	-0.77606201	-0.11967891	0.	0.
-0.77606201	-0.77606201	0.	0.	0.

COMPONENT 23. 1 G-WEIGHTS

0.42634543	0.41676167	0.43156106	1.00000000	0.41473389
0.058777	0.43336487	0.44602966	-0.51145935	-0.43894958
-0.44009705	-0.44337463	-0.55641174	-0.51603699	-0.49021912
-0.55242102	0.79644775	0.79644775	0.82196045	0.82196045
0.75313782	0.	0.	0.	-0.52670288
-0.48851013	-0.49317932	-0.49317932	-0.49317932	-0.49317932
-0.49317932	-0.51081409	0.	0.	0.

COMPONENT 24. 1 G-WEIGHTS

0.44607434	0.70724487	0.64407349	0.00997925	0.70188904
0.49244610	0.49707031	0.50013733	0.	-0.59843445
-0.38571167	-0.58887880	-0.64570728	-0.51560974	-0.52359009
-0.74600270	0.03845215	0.71124268	0.44382141	0.45007324
0.71124268	0.71124268	0.46387141	0.45007324	-0.44017029
-0.41934214	-0.42158508	-0.71488733	-0.71888733	-0.44017029
-0.41934214	-0.42158508	0.	0.	0.

COMPONENT 25. 1 G-WEIGHTS				
0.49331360	0.48292542	0.49534607	0.44215393	0.47727966
0.45138550	0.46984863	0.48771667	-0.59344482	-0.45909119
-0.82289592	-0.56430054	-0.09574890	-0.40496826	-0.60961914
-0.65008545	0.74266052	0.66954541	0.61871338	0.60765076
0.74266052	0.61871338	0.	0.	-0.50730896
-0.49568176	-0.43045644	-0.56071472	-0.57234192	-0.42045044
-0.50730896	-0.49568176	0.	0.	0.
COMPONENT 26. 1 G-WEIGHTS				
0.50004578	0.49243164	0.46974182	0.49780273	0.60090637
0.43420410	0.47483826	0.52999878	-0.51954651	-0.49511719
-0.44900513	-0.52664185	-0.57966614	-0.52882385	-0.38587952
-0.51427405	0.55525208	0.56640625	0.59159851	0.57347107
0.55525208	0.56640625	0.59159851	0.	-0.50308228
-0.50308228	-0.46868896	-0.49400330	-0.54232788	-0.51701355
-0.50308228	-0.46868896	0.	0.	0.
COMPONENT 27. 1 G-WEIGHTS				
0.34790039	0.44416809	0.34143066	0.34461975	0.62719727
1.00000000	0.34036255	0.55427551	-0.46447754	-0.51635742
-0.50315857	-0.50080872	-0.50643421	-0.51451111	-0.46138000
-0.53283691	0.	1.00000000	1.00000000	0.
0.	1.00000000	0.	1.00000000	-0.68225098
-0.64419556	0.	-0.68225098	-0.64419556	-0.68225098
0.	-0.66482544	0.	0.	0.
COMPONENT 28. 1 G-WEIGHTS				
0.42089844	0.19491577	0.34785461	0.34053040	1.00000000
1.00000000	0.34785461	0.34793091	-0.66256714	-0.60348511
-0.66888428	0.	-0.66036987	-0.66870117	-0.50773621
-0.22821045	0.91011047	0.30317688	0.	0.69331360
0.91011047	0.31674194	0.	0.86650085	-0.06838989
-0.15562439	-0.07728577	0.90533447	-0.07728577	-0.90533447
-0.90533447	-0.90533447	0.	0.	0.
COMPONENT 29. 1 G-WEIGHTS				
0.69999695	0.32666016	0.36184692	0.33503232	0.49617004
0.42280579	0.98789978	0.36894226	-0.50840759	-0.00598145
-0.65687561	-0.61341858	-0.60127258	-0.61512756	-0.60392761
-0.39495850	0.66159058	0.55839539	0.7213196	0.73213196
0.64482117	0.65130615	0.00976563	0.0076563	-0.47451782
-0.47772217	-0.47772217	-0.46487427	-0.57839966	-0.57110596
-0.47772217	-0.47772217	0.	0.	0.
COMPONENT 30. 1 G-WEIGHTS				
0.39141846	0.43334961	0.99812317	0.46820068	0.43556213
0.46234131	0.38433834	0.42662048	-0.62550354	-0.56842041
-0.56858826	0.	-0.46459961	-0.56282043	-0.61764526
-0.59239197	0.	0.07952881	0.62800598	0.70318005
0.72708130	0.62800598	0.61915588	0.61799622	-0.44204712
-0.52397156	-0.52397156	-0.47483826	-0.49279785	-0.52397156
-0.52557373	-0.49279785	0.	0.	0.
COMPONENT 31. 1 G-WEIGHTS				
0.12216187	0.23931885	0.26591492	1.00000000	1.00000000
0.56661799	0.21589661	1.00000000	-0.79014587	-0.85847473
-0.80152893	-0.25537109	0.	-0.79591370	-0.49851990
0.	0.45564270	0.48564148	0.48490906	0.89865112
0.89865112	0.41911316	0.	0.35736084	-0.06632996
-0.47862244	-0.17030334	-0.81822205	-0.77502441	-0.14077759
-0.77502441	-0.77502441	0.	0.	0.
COMPONENT 32. 1 G-WEIGHTS				
1.00000000	0.20140076	0.21939087	0.22843933	1.00000000
0.23500061	0.89955657	0.21589661	-0.89099121	-0.21684265
-0.89570618	0.	-0.05464172	-0.90599060	-0.13354492
-0.90225220	0.	0.	0.99542236	0.99542236
0.01228333	0.00598145	0.99542236	0.99542236	-0.18511963
-0.77522278	0.	-0.74618530	-0.77201843	-0.74618530
-0.77522278	0.	0.	0.	0.
COMPONENT 33. 1 G-WEIGHTS				
0.49591064	0.49496460	0.50529480	0.51237488	0.50144958
0.49845886	0.49841309	0.49357605	-0.50984192	-0.49949646
-0.49510193	-0.51879529	-0.50646973	-0.44956970	-0.51062012
-0.51167788	0.44557190	0.44557190	0.45069885	0.56948853
0.49880481	0.56948853	0.56948853	0.45069885	-0.51136780
-0.51136780	-0.50627136	-0.50627136	-0.43554688	-0.51136780
-0.50627136	-0.51136780	0.	0.	0.
COMPONENT 34. 1 G-WEIGHTS				
0.53688049	0.41259766	0.48286438	0.54896545	0.48971558
0.43533325	0.63305664	0.46055603	-0.51477051	-0.53416443
-0.52619434	-0.51370239	-0.41378784	-0.49182129	-0.52169373
-0.50379944	0.75979614	0.42240906	0.40872192	0.47755432
0.75831604	0.40156555	0.77160645	0.	-0.61492920
-0.61369324	-0.61492920	-0.22370911	-0.59733582	-0.61492920
-0.54638672	-0.17404175	0.	0.	0.

COMPONENT 35. 1 G-WEIGHTS

0.53240596	0.45263672	0.44818115	0.44012451	0.43266296
0.56570435	0.42224121	0.70591736	-0.36796570	-0.54162598
-0.54162598	-0.45307922	-0.1177246	-0.55357361	-0.55865479
-0.54162598	0.79998779	0.	0.79998779	0.79998779
0.	0.79998779	0.	0.79998779	-0.68310547
-0.68310547	-0.68310547	0.	-0.68310547	-0.42251587
-0.42251587	-0.42251587	0.	0.	0.

COMPONENT 36. 1 G-WEIGHTS

0.76521082	1.00000000	1.00000000	0.13177490	0.26562500
0.11085510	0.06222534	0.66027832	-0.68185425	-0.48959351
-0.68890381	-0.67411804	-0.64665527	-0.42207336	-0.26684570
-0.07941028	1.00000000	0.	0.	1.00000000
1.00000000	0.	0.	1.00000000	-0.37715149
-0.65177917	-0.65177917	0.	-0.37715149	-0.65177917
-0.65177917	-0.63858032	0.	0.	0.

COMPONENT 37. 1 G-WEIGHTS

0.43759155	0.80906677	0.45899463	1.00000000	0.43428040
0.48350525	0.31617737	0.06134951	-0.72001648	-0.74353027
-0.72102356	-0.70080506	-0.01118469	-0.01118469	-0.74270630
-0.34951762	0.	0.84346008	0.07553101	0.96014404
0.46014404	0.20053101	0.96014404	0.	-0.6905153
-0.09184265	-0.51222229	-0.70530701	-0.69059753	-0.09184265
-0.51222229	-0.70530701	0.	0.	0.

COMPONENT 38. 1 G-WEIGHTS

0.60267476	0.34330750	1.00000000	0.35795593	0.59014893
0.34330750	0.34330750	0.41848755	-0.65229797	-0.01022339
-0.65229797	-0.65022278	-0.65219116	-0.36148071	-0.49563599
-0.52563477	0.68215942	0.84736633	0.	0.
0.68218794	0.84736633	0.09350586	0.84736633	-0.63818359
-0.63822437	-0.04341125	-0.63822437	-0.63822437	-0.12722778
-0.63822437	-0.63822437	0.	0.	0.

COMPONENT 39. 1 G-WEIGHTS

0.57408142	0.38677979	0.39099121	0.42958069	0.38554382
0.44874573	1.00000000	0.38423157	-0.51992798	-0.52639771
-0.44110107	-0.46208191	-0.46861267	-0.53985596	-0.53108337
-0.56087810	0.	0.67765808	0.64932251	0.65882874
0.67765808	0.65882874	0.67765808	0.	-0.52671814
-0.50349426	-0.47740173	-0.47509766	-0.51704407	-0.52671814
-0.49609375	-0.47740173	0.	0.	0.

COMPONENT 40. 1 G-WEIGHTS

0.34913635	1.00000000	0.33897400	0.35858154	0.39852905
0.49884033	0.70932007	0.34658813	-0.57031250	-0.57539368
-0.58058167	-0.58058167	-0.54084778	0.	-0.57138062
-0.58085632	0.55958557	0.55836487	0.56895447	0.57260132
0.58514404	0.57260132	0.58270264	0.	-0.50021362
-0.48608398	-0.48895264	-0.48895264	-0.51704407	-0.48608398
-0.51559448	-0.51704407	0.	0.	0.

COMPONENT 41. 1 G-WEIGHTS

0.48156738	0.52226257	0.48623657	0.48667908	0.63352966
0.38471985	0.49052479	0.51445007	-0.54945374	-0.55920410
-0.54592846	-0.62242126	-0.57290649	0.	-0.56431580
-0.58572388	0.60151672	0.60151672	0.55459595	0.54025269
0.60342407	0.55648804	0.54716003	0.	-0.46777234
-0.46977234	-0.52604675	-0.47026062	-0.46977234	-0.52604675
-0.52604675	-0.5422107	0.	0.	0.

COMPONENT 42. 1 G-WEIGHTS

1.00000000	0.19442639	0.32411194	0.51866150	0.24641418
0.17216797	0.77510071	0.46708679	-0.67849514	-0.67840576
-0.71629333	-0.05437195	-0.70732117	-0.37422180	-0.73278809
-0.05465698	0.99227905	0.01026717	0.01026917	0.99227905
0.99227905	0.01026917	0.	0.99227905	-0.84368896
-0.78907776	-0.78907776	0.	0.	-0.78907776
-0.78907776	0.	0.	0.	0.

COMPONENT 43. 1 G-WEIGHTS

1.00000000	0.30407715	0.39567566	0.29603577	0.99937439
0.31921387	0.36557007	0.32003784	-0.53746043	-0.34466553
-0.47142383	-0.50706372	-0.53777588	-0.52961134	-0.57556152
-0.49884033	0.58290100	0.58290100	0.58653254	0.59037781
0.58586121	0.53549031	0.53549031	0.	-0.49838257
-0.49838257	-0.50407410	-0.49486267	-0.49838257	-0.49838257
-0.50407410	-0.49486267	0.	0.	0.

COMPONENT 44. 1 G-WEIGHTS

0.42291260	0.44473267	0.51100159	1.00000000	0.36555481
0.41676331	0.42672729	0.41227722	-0.66592407	-0.54971313
-0.65965271	0.	-0.59458423	-0.29522705	-0.66194153
-0.57245449	0.	0.	0.66490662	0.73434448
0.66490662	0.61206055	0.67236175	0.69377136	0.
-0.60469873	-0.58612061	-0.57047724	-0.59692383	-0.58612061
-0.58612061	-0.52047724	0.	0.	0.

COMPONENT 45. 1 G-WEIGHTS

0.49015808	0.14897156	1.00000000	1.00000000	0.26560974
0.32525635	0.42301941	0.34696960	-0.69584656	-0.65626526
-0.65475464	-0.65499878	-0.64732361	0.	-0.69079590
0.	0.04006958	0.04006958	0.63790894	0.63790894
0.68441772	0.64256287	0.63595581	0.68106079	-0.48301697
-0.50477600	-0.49189758	-0.48301697	-0.50955200	-0.50955200
-0.51365662	-0.50448608	0.	0.	0.

COMPONENT 46. 1 G-WEIGHTS

0.35308838	0.31886292	0.99302673	0.33702087	0.24913025
0.99237061	0.35006714	0.40638733	-0.59690857	-0.51376343
-0.54029846	-0.48171997	-0.30564880	-0.52294922	-0.53823237
-0.50045776	0.00924683	0.06742859	0.77525330	0.77525330
0.80844226	0.49864197	0.51449585	0.55320740	-0.51101685
-0.51101685	-0.51101685	-0.47526550	-0.51101685	-0.51101685
-0.51101685	-0.45855713	0.	0.	0.

COMPONENT 47. 1 G-WEIGHTS

0.46965027	0.44332886	0.46823120	0.45841980	1.00000000
0.36054993	0.39891052	0.40087891	-0.53422546	-0.47450256
-0.53025818	-0.53234863	-0.50244141	-0.51757813	-0.52793884
-0.38066101	0.	0.65693665	0.67086792	0.68327332
0.64868164	0.65693665	0.68327332	0.	-0.49404907
-0.56161499	-0.48818970	-0.47071838	-0.48818970	-0.51820374
-0.50825500	-0.47071838	0.	0.	0.

COMPONENT 48. 1 G-WEIGHTS

0.42849731	0.59880066	0.32723999	0.60559082	0.71583557
0.43865967	0.48789978	0.39714568	0.	-0.93736267
-0.38954163	-0.99740601	0.	-0.75169373	-0.92013550
-0.00382996	0.	0.66793823	0.66178894	0.66793823
0.69885254	0.69184875	0.61160278	0.	-0.45167542
-0.48999023	-0.48999023	-0.55325317	-0.48181152	-0.48999023
-0.48999023	-0.55325317	0.	0.	0.

COMPONENT 49. 1 G-WEIGHTS

0.49804688	0.50137329	0.51274109	0.42396545	0.52931212
0.52745056	0.52514648	0.48191833	-0.56495667	-0.51756287
-0.22059631	-0.56124878	-0.56651306	-0.56068420	-0.50933838
-0.49905396	0.	0.03930664	0.03930664	0.82955933
0.71482849	0.82955933	0.82955933	0.71781921	-0.46896362
-0.44755554	-0.62519836	-0.60726929	-0.46896362	-0.44755554
-0.44755554	-0.46896362	0.	0.	0.

COMPONENT 50. 1 G-WEIGHTS

0.54261780	1.00000000	0.41102600	0.	1.00000000
0.04634094	1.00000000	0.	-0.58889771	-0.56762695
-0.55604553	-0.00805664	-0.54331970	-0.62037659	-0.56315613
-0.55247498	0.03898621	0.63652039	0.63652039	0.57136536
0.74002075	0.63652039	0.74002075	0.	-0.32171631
-0.51850891	-0.64125061	-0.51850891	-0.51850891	-0.51850891
-0.64125061	-0.32171631	0.	0.	0.

COMPONENT 51. 1 G-WEIGHTS

0.51876831	0.00340271	0.00340271	1.00000000	0.47099304
1.00000000	1.00000000	0.00340271	-0.71909940	0.
0.	-0.69186401	-0.44320679	-0.70208740	-0.72189331
-0.72189331	0.32998657	0.50445557	0.82818604	0.35095215
0.32998657	0.82818604	0.82818604	0.	-0.11820984
-0.71878052	-0.73593140	-0.11820984	-0.11820984	-0.71878052
-0.73593140	-0.73593140	0.	0.	0.

COMPONENT 52. 1 G-WEIGHTS

0.23963928	0.39764404	1.00000000	0.26454163	0.35714722
0.34800720	1.00000000	0.39299011	-0.47283936	-0.55107117
-0.47567749	-0.47796631	-0.55104065	-0.52328491	-0.49102783
-0.45704651	0.	0.	0.80041504	0.80041504
0.79829407	0.80041504	0.80041504	0.	-0.45610046
-0.45610046	-0.55767872	-0.53009033	-0.45610046	-0.45610046
-0.55767872	-0.53009033	0.	0.	0.

COMPONENT 53. 1 G-WEIGHTS

0.51008606	0.47454834	0.47802734	0.54125977	0.51091001
0.49075317	0.47734070	0.51704407	-0.00073242	-0.55122375
-0.60131836	-0.54801941	-0.59112549	-0.55764771	-0.60231018
-0.54757640	0.08181763	0.08181763	0.01927185	0.75518799
0.62446654	0.72232206	0.82615662	0.83901978	-0.51676941
-0.46110535	-0.46110535	-0.56101990	-0.69587708	-0.46110535
-0.46110535	-0.38185120	0.	0.	0.

COMPONENT 54. 1 G-WEIGHTS

0.43177795	0.60536194	0.57865906	0.47161865	0.43177795
0.43463135	0.61012768	0.43576050	-0.41558838	-0.53282166
-0.53260803	-0.43818665	-0.49450684	-0.53184509	0.52046204
-0.51364563	0.	0.72351074	0.73425293	0.70326233
0.67732239	0.61470032	0.54692078	0.	-0.5223396
-0.52293196	-0.51754761	-0.43925476	-0.51754761	-0.46588135
-0.49093628	-0.52293396	0.	0.	0.

COMPONENT 55. 1 G-WEIGHTS				
0.25126648	0.23014832	0.39745178	0.30165100	0.31022644
0.42785645	0.84259338	0.58877563	-0.49485779	-0.40211487
-0.50859070	-0.56158447	-0.54220581	-0.52803040	-0.55189514
-0.41067505	0.	0.58111572	0.58612061	0.58538818
0.55865479	0.55479919	0.56481934	0.56407166	-0.49446106
-0.49446106	-0.48834229	-0.48927307	-0.52268982	-0.52178955
-0.49446106	-0.49446106	0.	0.	0.
COMPONENT 56. 1 G-WEIGHTS				
0.48057556	0.48245239	0.54321289	0.54071045	0.49324036
0.46511941	0.54071045	0.453391846	-0.45730591	-0.45182800
-0.53266743	-0.52989197	-0.60461426	-0.45828247	-0.47106934
-0.49389648	0.73179626	0.21830750	0.25299072	0.29972839
0.76222229	0.76649475	0.71543884	0.25299072	-0.80056763
-0.36851501	-0.36851501	-0.41954041	-0.88201904	-0.36851501
-0.41954041	-0.37274170	0.	0.	0.
COMPONENT 57. 1 G-WEIGHTS				
0.15171814	0.15171814	0.15171814	0.51573181	0.72344971
1.00000000	1.00000000	0.30563354	-0.55850220	-0.70404053
-0.70249939	0.	-0.59187317	-0.70404053	-0.05888367
-0.68009949	0.89416504	0.65472412	0.	0.89416504
0.66276550	0.	0.	0.89416504	0.
-0.75532532	-0.75532532	0.	-0.75532532	-0.75532532
-0.75532532	-0.22337341	0.	0.	0.
COMPONENT 58. 1 G-WEIGHTS				
0.43241882	0.86206055	0.46701050	0.48886108	0.43112183
0.44094849	0.44667053	0.43087769	-0.53373718	-0.53240967
-0.52983043	-0.36047363	-0.527949524	-0.53294373	-0.52566528
-0.45541387	1.00000000	0.12059021	1.00000000	0.19995117
0.35888672	0.19995117	0.12059021	1.00000000	-0.53108215
-0.61589050	-0.54507446	0.	-0.53108215	-0.61589050
-0.54507446	-0.61589050	0.	0.	0.
COMPONENT 59. 1 G-WEIGHTS				
0.52536011	0.44697571	0.49285889	0.47044373	0.48910522
0.53555298	0.49778748	0.54187012	-0.47656250	-0.47990417
-0.49218750	-0.50555420	-0.55325317	-0.49238586	-0.52329055
-0.47656250	0.50146484	0.41795349	0.65270996	0.56918335
0.35226440	0.43574524	0.56918335	0.50146484	-0.72540283
-0.42485046	-0.42485046	-0.50842285	-0.42485046	0.64184570
-0.42485046	-0.42485046	0.	0.	0.
COMPONENT 60. 1 G-WEIGHTS				
0.45912170	0.46130771	1.00000000	0.39181519	0.39314270
0.39204407	0.51400757	0.38853455	-0.14526367	-0.59297180
-0.44183350	-0.59370422	-0.59414673	-0.58383179	-0.45730591
-0.59089661	0.	0.57255554	0.64302063	0.58979797
0.51707458	0.49244690	0.61990356	0.56515503	0.
-0.60171509	-0.60098267	-0.60171509	-0.60171509	-0.46759033
-0.60171509	-0.60098267	0.	0.	0.
COMPONENT 61. 1 G-WEIGHTS				
1.00000000	0.39910889	0.37600708	0.45942688	0.42704773
0.46163940	0.41421509	0.46252441	-0.60681316	-0.53858948
-0.59608934	-0.34616089	-0.38722229	-0.56585693	-0.50103760
-0.45840454	0.56753540	0.51710510	0.51710510	0.65679932
0.56753540	0.51710510	0.65679932	0.	0.
-0.51681144	-0.37370300	-0.52589417	-0.52589417	-0.52589417
-0.47994795	-0.52589417	0.	0.	0.
COMPONENT 62. 1 G-WEIGHTS				
0.43562317	0.41836548	0.40153503	0.43562317	0.41174316
1.00000000	0.43562317	0.46145630	-0.58503723	0.
-0.59179688	-0.61804199	-0.36581421	-0.59443665	-0.61912537
-0.62571716	0.57775879	0.51710510	0.56399536	0.58087158
0.57775879	0.57775879	0.56089783	0.	-0.49290466
-0.51304626	-0.50933838	0.56089783	-0.49290466	-0.49290466
-0.49290466	-0.51304626	-0.49290466	0.	0.
COMPONENT 63. 1 G-WEIGHTS				
0.12072754	0.87864685	0.92489674	0.11453247	0.12088013
0.89644963	0.14190674	0.80186667	-0.64115906	-0.64115906
-0.61676453	0.	-0.61795044	-0.54945374	-0.29072571
-0.62272222	0.03707886	0.63615417	0.04768372	0.90855408
0.56027222	0.57566833	0.57566833	0.65888477	-0.56608582
-0.55229187	-0.55279187	-0.56608582	-0.56608582	-0.56608582
-0.55229187	-0.07873535	0.	0.	0.
COMPONENT 64. 1 G-WEIGHTS				
0.42758179	0.38166809	0.35241699	0.35241699	1.00000000
0.36291504	0.46144104	0.66152954	-0.63352966	-0.70179749
-0.70179749	-0.65849304	0.	-0.66436768	-0.63999939
0.	0.74498779	0.	0.79987779	0.79987779
0.	0.	0.	0.79987779	-0.66226196
0.	-0.66885376	-0.66885376	-0.66226196	0.
-0.66885376	-0.66885376	0.	0.	0.

COMPONENT 65. 1 G-WEIGHTS

0.01713562	1.00000000	0.29621887	1.00000000	0.30297607
0.	0.32365417	1.00000000	-0.13076782	0.
-0.62806702	-0.75938416	0.72930908	-0.21504211	-0.40839539
-0.72900391	0.	0.	0.67346191	0.67346191
0.68609619	0.65731323	0.67346191	0.64117432	-0.50669861
-0.42698669	-0.51972961	-0.50669861	-0.50669861	-0.51972961
-0.50669861	-0.50669861	0.	0.	0.

COMPONENT 66. 1 G-WEIGHTS

1.00000000	1.00000000	1.00000000	0.	0.
1.00000000	0.	0.	-0.50753784	-0.56486511
-0.55628967	0.56953430	-0.55537415	-0.57623291	-0.10366821
-0.58645203	0.	0.90779114	0.71942139	0.74557695
0.	0.	0.90779114	0.71942139	-0.78158569
-0.12390137	0.	-0.78158569	-0.78158569	0.
-0.78158569	-0.74975586	0.	0.	0.

COMPONENT 67. 1 G-WEIGHTS

0.17375183	0.00910950	0.12348938	0.49281311	1.00000000
1.00000000	0.2053727	0.99508667	-0.55586243	-0.60540771
-0.57405040	-0.55302429	0.	-0.52388000	-0.59138489
-0.59634399	0.03833008	0.0642090	0.70642090	0.70642090
0.72348022	0.71591187	0.18135071	0.22163391	-0.50224304
-0.50224304	-0.49731445	-0.50224304	-0.50224304	-0.49037170
-0.49578857	-0.50750732	0.	0.	0.

COMPONENT 68. 1 G-WEIGHTS

0.49923706	0.55229187	0.50288191	0.49093628	0.48864746
0.49101257	0.48907471	0.48631287	-0.48941040	-0.49937439
-0.49449158	-0.51833374	-0.50028497	-0.50572205	-0.48869324
-0.51158142	1.00000000	0.	0.	1.00000000
0.	0.	1.00000000	1.00000000	-0.69424438
-0.64389038	-0.68704224	0.	-0.64389038	-0.63667297
-0.69424438	0.	0.	0.	0.

COMPONENT 69. 1 G-WEIGHTS

0.33688829	1.00000000	0.22705078	0.19296265	0.99737549
0.28919983	0.53414917	0.42234807	-0.64758301	-0.67721558
-0.69252014	-0.00547791	0.	-0.66256714	-0.67361450
-0.64099121	0.06423950	0.06423950	0.75129700	0.80877686
0.75129700	0.75129700	0.80877686	0.	-0.51089478
-0.53347778	-0.50025940	-0.45002747	-0.51089478	-0.53347778
-0.45002747	-0.51089478	0.	0.	0.

COMPONENT 70. 1 G-WEIGHTS

0.37599182	0.39544678	0.36505127	1.00000000	0.35899353
0.36741638	0.76260376	0.37370300	-0.77628222	-0.69372559
-0.15940857	-0.77291870	-0.76728821	-0.77911377	0.
-0.05107117	0.91752625	0.52148438	0.	0.55662537
0.91752625	0.53018188	0.	0.55662537	-0.00337219
0.	-0.63829041	-0.68000793	-0.68000793	-0.68000793
-0.63829041	-0.68000793	0.	0.	0.

COMPONENT 71. 1 G-WEIGHTS

0.53840637	0.53179932	0.49191284	0.50077820	0.50970459
0.52146912	0.42916870	0.47671509	-0.45765686	-0.53802490
-0.48503113	-0.47296143	-0.54302979	-0.48635864	-0.48793030
-0.52897644	0.60983276	0.29621887	0.28931482	0.31179810
0.64840698	0.62419319	0.63278198	0.58772278	-0.74916551
-0.39051819	-0.43554688	-0.41398621	-0.74916551	-0.39051819
-0.43554688	-0.43554688	0.	0.	0.

COMPONENT 72. 1 G-WEIGHTS

0.50329590	0.49613953	0.58485413	0.48686218	0.44290161
0.41860962	0.58328247	0.48353577	-0.01065063	-0.66142723
-0.68400574	-0.66824341	-0.62985229	-0.67478943	-0.66860962
-0.00187683	0.05725098	0.61647034	0.59107971	0.53163147
0.55706787	0.56576538	0.54034424	0.54034424	-0.02600098
0.	-0.63758850	-0.70733643	-0.63758850	-0.66381836
-0.66381836	-0.66381836	0.	0.	0.

COMPONENT 1. 2 G-WEIGHTS

0.50000000	-0.50000000	0.05268860	1.00000000	1.00000000
0.	1.00000000	1.00000000	1.00000000	0.98477173
0.	0.	0.98477173	0.73815918	0.98477173
1.00000000	1.00000000	1.00000000	1.00000000	0.
1.00000000	0.	0.	0.	0.
0.	0.98478649	0.	1.00000000	1.00000000
0.04840088	0.99478649	0.	1.00000000	1.00000000
0.	0.	0.98477173	0.98477173	0.
0.	1.00000000	0.98478649	0.	0.
0.	0.27635143	0.98478649	0.	0.98478649
0.98478649	0.	1.00000000	1.00000000	0.00830078
0.	0.	0.98478649	0.	0.98477173
0.	0.	0.	0.	-0.26977539
0.07392883	0.	0.	-0.10295105	-0.69952193
-0.57940674	-0.81057739	-0.82655334	-0.87480164	-0.13984680
-0.62879944	-0.19618225	-0.17968750	-0.68229675	-0.83609009
-0.84854431	-0.71149878	-0.74148560	-0.85858154	-0.82543945
-0.30242920	-0.10295105	-0.85858154	-0.86817932	-0.82543945
-0.27192688	-0.89831543	-0.49429421	-0.89717102	-0.17968750
-0.56282043	-0.67443848	-0.39128113	-0.03804016	-0.03804016
-0.06680298	-0.85784912	-0.78327942	-0.68432617	-0.74328613
-0.13484680	-0.78291321	-0.18591309	-0.75949873	-0.81416321
-0.75418041	-0.86734009	-0.13984680	-0.66444397	-0.17968750
-0.54246521	-0.0542847	-0.80764771	0.	-0.88832092
-0.83801270	-0.47172546	-0.06680298	-0.13984680	0.
0.	0.	-0.06680298	-0.83801270	-0.83801270
-0.38729858	0.	0.	0.	0.

COMPONENT 2.2 G-WEIGHTS

0.50000000	-0.50000000	0.	0.	0.87414551
0.	0.06727600	0.	0.09246826	0.
0.22171021	0.86553955	0.32286072	0.68511963	0.94960022
0.17837524	0.78961182	0.80763245	0.	0.29347229
0.92707825	0.68899536	0.82321167	0.61958313	0.92720032
0.88963318	0.00373840	0.93685913	0.81604004	0.18447876
0.84068298	0.99171448	0.99171448	0.94960022	0.
0.99171448	0.88435364	0.90116882	0.73435974	0.
0.72251892	0.	0.99171448	0.10121155	0.
0.94960022	0.88233948	0.94960022	0.	0.
0.	0.77430725	0.	0.	0.
0.	0.	0.79702759	0.	0.92605591
0.82455970	0.88963318	0.	0.99171448	0.94960022
-0.98669434	-0.98669434	-0.13237000	-0.98669434	-0.98669434
-0.98669434	-0.16589355	0.	-0.98669434	-0.86651611
-0.12268066	-0.14279175	-0.98669434	-0.60256958	-0.75231934
0.	-0.98669434	-0.76126526	-0.98669434	-0.04188538
-0.31314087	-0.18260193	-0.09210205	-0.18026733	-0.08357239
-0.11976524	-0.04188538	-0.08357239	-0.76239014	-0.11976624
-0.98669434	-0.22961426	0.	-0.98669434	-0.98669434
0.	-0.08357239	-0.88722229	-0.98669434	-0.98669434
-0.26828003	-0.98669434	-0.30438232	-0.98669434	-0.10655212
-0.98669434	-0.87220764	-0.04188538	-0.12673950	-0.04188538
-0.98669434	0.	-0.22320557	-0.98669434	0.
-0.29974365	-0.79817200	-0.23495483	-0.91075134	-0.98669434
-0.08357239	0.	0.	0.	-0.16589355
0.	0.	0.	0.	0.

MINPS=00000000013 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41696277
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.24645711
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.07595146
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.66120429
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.45383072
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.55751750
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.55751750

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.6676227	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.6377629	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.4415702
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.5245295
31. 1	0.1447588	32. 1	0.5163075	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.6077043	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.3859618	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4422750	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.5307392	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.28761274
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.57522550
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.57522550

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO.	1 IS	0.							
SUM NO.	2 IS	1.00000							

*** 151 INPUT V1 IDENTIFICATION CORRECT
 MINPS=00000000012 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.29577608
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.77266730
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.24955852
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.01111291
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.13033572
 ** CONTROL=00000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.2000000 BIAS = -1.13033572

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.5863173	20. 1	0.
21. 1	0.	22. 1	0.7650933	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.7711590	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1435201	37. 1	0.	38. 1	0.8007000	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.2043776	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.0082003	64. 1	0.9837919	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.8694669	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.24999988
 ** CONTROL=000000000005
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -3.24999988

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9262194	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.92622								
SUM NO. 2 IS	0.								

*** 152 INPUT H2 IDENTIFICATION CORRECT
 MINPS=000000000011 NCYCS=000000000014 INDIC=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40991203
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.11827530
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.87663856
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.47245693
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.47245693

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.6283976	17. 1	0.	18. 1	0.	19. 1	0.0320750	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.6515739	24. 1	0.5057388	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.6192418	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5273290	42. 1	0.5178209	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.6310105	48. 1	0.5222096	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.0237344	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.4844300	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.33149064
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.66298129
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.66298129

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 153 INPUT V2 IDENTIFICATION CORRECT
 MINPS=000000000010 NCYCS=000000000014 INDIC=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.35169713
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.73913535
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.12657358
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.12657358

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.3232757
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	1.0703862	22. 1	0.4686609	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.7627225	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.1958117	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.9926170	58. 1	0.4058452	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.3438192
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991
 ** CONTROL=00000000005
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9717680	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.92177								
SUM NO. 2 IS	0.								

*** 154 INPUT H3 IDENTIFICATION CORRECT
 MINPS=00000000007 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.51043223
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.05450608
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.59857993
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.32654300
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.32654300

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.2103520	4. 1	0.6717322	5. 1	0.
6. 1	0.5310434	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.8093910
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.6462808	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1568836	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.8024992
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.0404899	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 2	0.	52. 1	0.	53. 1	0.5816856	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.7051099
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.26912341
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.53824683
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.53824683

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.0922494	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.09225								
SUM NO. 2 IS	1.00000								

*** 155 INPUT V3 IDENTIFICATION CORRECT
 MINPS=00000000006 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.24191338
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.47136828
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.70082319
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.93027809
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.81555064
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.75818692
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.75818692

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.8152718	10. 1	0.4010200
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.6376022	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.4782539	29. 1	0.	30. 1	0.
31. 1	0.3803018	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	1.0090204	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.5084932	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.7296652
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.499 388
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991
 ** CONTROL=00000000005
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9370617	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.93706								
SUM NO. 2 IS	0.								

*** 156 INPUT H4 IDENTIFICATION CORRECT
 MINPS=00000000005 NCYCS=000000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.43969879
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.25950907
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.07931936
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.66941422
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.46446165
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.56693794
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.56693794

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.3727427	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6051063
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.6403308
46. 1	0.4977138	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.6522671	52. 1	0.6181287	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.5803002	68. 1	0.	69. 1	0.6189430	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -63.01800108
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -31.75900054
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -16.12950015
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -8.31475008
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -4.40737504
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.45368755
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.47684379
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.47684379

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0152220	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.01522								

*** 157 INPUT V4 IDENTIFICATION CORRECT
 MINPS=00000000004 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.03517036
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.07376751
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.07376751

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3841961	3. 1	0.2048388	4. 1	0.	5. 1	0.
6. 1	0.5451633	7. 1	0.	8. 1	0.3294870	9. 1	0.1460652	10. 1	0.2192605
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.1267226	15. 1	0.
16. 1	0.0434762	17. 1	0.1470944	18. 1	0.1273209	19. 1	0.	20. 1	0.2223547
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.2125937	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.1352692	30. 1	0.1929072
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1747249	35. 1	0.
36. 1	0.	37. 1	0.2445222	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.4448286	43. 1	0.0050749	44. 1	0.	45. 1	0.0350049
46. 1	0.1600478	47. 1	0.	48. 1	0.	49. 1	0.0506343	50. 1	0.1113551
51. 1	0.	52. 1	0.	53. 1	0.0071248	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1933899	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0110441	67. 1	0.2320744	68. 1	0.	69. 1	0.1673496	70. 1	0.
71. 1	0.	72. 1	0.1815205	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.60431367
 ** CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.60431367

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.7043834	2. 2	0.2956166	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.70438								
SUM NO. 2 IS	0.29562								

*** 158 INPUT M5 IDENTIFICATION CORRECT
 MINPS=00000000003 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.42429507
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.01442984
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.60456461
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.30949722
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.30949722

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.9921574	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.2943376	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.6903042	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6903042	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.8130374	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.8899299
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.4021277	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6130744	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.38750306
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.77500613
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.77500613

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 159 INPUT V5 IDENTIFICATION CORRECT
 MINPS=00000000002 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.16055848
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.44954947
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.73864047
 ** CONTROL=00000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.73864047

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	1.3412779	7. 1	0.	8. 1	1.2256433	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0693702	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	1.0830273	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.0391547
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.9720591	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00C000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00C000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999998
 ** CONTROL=00C000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=00C000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=00C000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991
 ** CONTROL=00C000000005
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9093270	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.90933								
SUM NO. 2 IS	0.								

*** 160 INPUT H6 IDENTIFICATION CORRECT
 MINPS=000000000001 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.52788053
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.41767141
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.30746228
 ** CONTROL=00C000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.86256686
 ** CONTROL=00C000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.64011915
 ** CONTROL=00C000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.52889530
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.52889530

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0907044	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.5786228	13. 1	0.	14. 1	0.4944703	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.4667506
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.3331707	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.0763179	37. 1	0.2101104	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.5732528	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.5745179
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.5378307	63. 1	0.2547200	64. 1	0.	65. 1	0.7948012
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.20493919
 ** CONTROL=00C000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.40987840
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.40987840

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 161 INPUT V6 IDENTIFICATION CORRECT
 MINPS=000000000014 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.25849798
 ** CONTROL=00C000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.59076951
 ** CONTROL=00C000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.92304105
 ** CONTROL=000000000001
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.92364105

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	1.0767336
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	1.316795A	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	1.0767336
36. 1	1.1491671	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1370677	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999989
 ** CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=00000000005

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=00000000005
 5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.99999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.901462	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.90155								
SUM NO. 2 IS	0.								

*** 162 INPUT M1 IDENTIFICATION CORRECT
 MINPS=00000000013 NCYCS=00000000014 INDICT=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41796225
 ** CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.20669671
 ** CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.10341117
 ** CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.60204495
 ** CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.47136784
 ** CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.57670639
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.57670639

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.6427536	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.6171114	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.4223764
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.5047187
31. 1	0.1240796	32. 1	0.5285653	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.5868426	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.3945521	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4230841	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.9677025	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.20574267
 ** CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.41148536
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.41148536

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 163 INPUT V1 IDENTIFICATION CORRECT
 MINPS=00000000012 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.28787624
 ** CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.77366574
 ** CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.25946121
 ** CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.01656748
 ** CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.13801233
 ** CONTROL=00000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.13901233

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.5544337	20. 1	0.
21. 1	0.	22. 1	0.8264192	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.7692312	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1188517	37. 1	0.	38. 1	0.8113308	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.0740826	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.9699645	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.8617903	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=00000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.24999988
 ** CONTROL=00000000005
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -3.24999986

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0083257	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.00833								
SUM NO. 2 IS	C.								

*** 164 INPUT H2 IDENTIFICATION CORRECT
 MINPS=00000000011 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41381544
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.12152757
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.82923970
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.47538364
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.47538364

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.6222629	17. 1	0.	18. 1	0.	19. 1	0.0400466	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.6424601	24. 1	0.4903969	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.6256919	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5243947	42. 1	0.5173287	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.6234129	48. 1	0.5186601	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.0782908	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.4753881	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.35552564
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.71105132
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.71105132

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 165 INPUT V2 IDENTIFICATION CORRECT
 MINPS=00000000010 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.33879003
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.74323183
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.14767364
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.94545273
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.04656318
 ** CONTROL=00000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.04656318

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.3472655
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.1198058	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	1.1758817	22. 1	0.5122575	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.8954653	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.2755023	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	1.1206030	58. 1	0.5013902	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.3217867
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999998
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
 ** CONTROL=000000000005
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.24999998
 ** CONTROL=000000000005
 6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -3.24999998

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0647897	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.06479								
SUM NO. 2 IS	0.								

*** 166 INPUT M3 IDENTIFICATION CORRECT
 MINPS=00000000007 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.51476164
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.06306215
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.61136265
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.33721240
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.33721240

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.2196126	4. 1	0.6625734	5. 1	0.
6. 1	0.4355315	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.7965992
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.6398010	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1436273	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.7904939
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.6612369	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.6918305
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.31258647
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.62517296
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.46887971
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.54702634
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.54702634

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.0238788	2. 2	0.9218534	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.02388								
SUM NO. 2 IS	0.92185								

*** 167 INPUT M3 IDENTIFICATION CORRECT
 MINPS=00000000006 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.25571045
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.48984289
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.72397533
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.95810777
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.84104355
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.84104155

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.7515056	10. 1	0.3835488
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.6126565	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.3748477	29. 1	0.	30. 1	0.
31. 1	0.3487481	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.9782926	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.4103123	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.7475468
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.19999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -10.83202887
 ** CONTROL=000000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -6.16601443
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.83300722
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.66650358
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.08325177
 ** CONTROL=000000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.37487769
 ** CONTROL=000000000007
 8 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.37487769

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0283359	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.02834								
SUM NO. 2 IS	C.								

*** 168 INPUT M4 IDENTIFICATION CORRECT
 MINPS=000000000005 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.43937092
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.26727656
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.09518218
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.66127938
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.47425298
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.57774118
 ** CONTROL=000000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.57774118

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.3445234	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6108483
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.6528948
46. 1	0.5121135	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.6476127	52. 1	0.5979963	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.5616786	68. 1	0.	69. 1	0.6201626	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.49999996

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0953748	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.09537								

*** 169 INPUT M4 IDENTIFICATION CORRECT
 MINPS=000000000.4 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.07252610
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.15745725
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 1 MS = 0.27700000 BIAS = -0.15743725

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1.0	0.	2.0	1.5162176	3.0	0.3051071	4.0	0.	5.0	0.
6.0	0.0151171	7.0	0.	8.0	0.3073004	9.0	0.0666656	10.0	0.2314444
11.0	0.	12.0	0.	13.0	0.	14.0	0.1739103	15.0	0.
16.0	0.0750720	17.0	1.0704670	18.0	0.1455632	19.0	0.	20.0	0.3093800
21.0	0.	22.0	0.	23.0	0.	24.0	0.	25.0	0.
26.0	0.	27.0	0.	28.0	0.	29.0	0.3537541	30.0	0.
31.0	0.	32.0	0.	33.0	0.	34.0	0.2040021	35.0	0.2007659
36.0	0.	37.0	0.2607182	38.0	0.	39.0	0.1459437	40.0	0.
41.0	0.	42.0	0.4349584	43.0	0.	44.0	0.	45.0	0.
46.0	0.1482016	47.0	0.	48.0	0.	49.0	0.0260713	50.0	0.0928203
51.0	0.	52.0	0.	53.0	0.	54.0	0.	55.0	0.
56.0	0.	57.0	0.	58.0	0.	59.0	0.	60.0	0.
61.0	0.1548368	62.0	0.	63.0	0.	64.0	0.	65.0	0.
66.0	0.	67.0	0.2604824	68.0	0.	69.0	0.1402231	70.0	0.
71.0	0.	72.0	0.2283766	0.0	0.0	0.0	0.0	0.0	0.0

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.60813098
 CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.11000000 BIAS = -0.60813098

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1.0	0.	2.0	0.5523377	0.0	0.	0.0	0.0	0.0	0.0
1.0	0.447662	2.0	0.5523377	0.0	0.	0.0	0.0	0.0	0.0
1.0	0.44766	2.0	0.55233	0.0	0.	0.0	0.0	0.0	0.0

SUM NO. 1 IS 0.44766
 SUM NO. 2 IS 0.55233

*** 170 INPUT H5 IDENTIFICATION INCORRECT.
 MINPS=00000000004 NLYCS=00000000013 INDICT=00000000001

1 BIAS CHANGES

LEVEL 1 MS = 0.21000000 BIAS = 0.0

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1.0	0.	2.0	0.1924909	3.0	0.2042331	4.0	0.	5.0	0.
6.0	0.2112772	7.0	0.	8.0	0.2465463	9.0	0.2208613	10.0	0.2030482
11.0	0.	12.0	0.	13.0	0.	14.0	0.1824474	15.0	0.0703626
16.0	0.0476213	17.0	0.2147599	18.0	0.1320953	19.0	0.	20.0	0.1619657
21.0	0.	22.0	0.	23.0	0.	24.0	0.1674355	25.0	0.
26.0	0.	27.0	0.	28.0	0.	29.0	0.1084813	30.0	0.2391181
31.0	0.	32.0	0.	33.0	0.	34.0	0.1622871	35.0	0.
36.0	0.	37.0	0.3166102	38.0	0.	39.0	0.	40.0	0.
41.0	0.0420050	42.0	0.1724838	43.0	0.1155485	44.0	0.0384558	45.0	0.1530603
46.0	0.2073781	47.0	0.	48.0	0.	49.0	0.1813977	50.0	0.0916309
51.0	0.	52.0	0.	53.0	0.1537244	54.0	0.	55.0	0.
56.0	0.	57.0	0.	58.0	0.	59.0	0.	60.0	0.
61.0	0.2418887	62.0	0.	63.0	0.	64.0	0.	65.0	0.
66.0	0.0187352	67.0	1.2344304	68.0	0.	69.0	0.2057387	70.0	0.0751055
71.0	0.	72.0	0.1482678	0.0	0.0	0.0	0.0	0.0	0.1385936

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.17339331
 CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.17339331

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1.0	0.7552636	2.0	0.2447364	0.0	0.	0.0	0.0	0.0	0.0
1.0	0.75526	2.0	0.24474	0.0	0.	0.0	0.0	0.0	0.0

SUM NO. 1 IS 0.75526
 SUM NO. 2 IS 0.24474

*** 171 INPUT H5 IDENTIFICATION CORRECT
 MINPS=00000000003 NLYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.42543276
 CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.02228515
 CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.61913754
 CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.32071134
 CONTROL=00000000007

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.32071134

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1.0	0.	2.0	0.8908197	3.0	0.	4.0	0.	5.0	0.
6.0	0.	7.0	0.	8.0	0.2708066	9.0	0.	10.0	0.
11.0	0.	12.0	0.	13.0	0.	14.0	0.	15.0	0.
16.0	0.	17.0	0.	18.0	0.	19.0	0.	20.0	0.
21.0	0.	22.0	0.	23.0	0.	24.0	0.	25.0	0.
26.0	0.6790749	27.0	0.	28.0	0.	29.0	0.	30.0	0.
31.0	0.	32.0	0.	33.0	0.	34.0	0.6790749	35.0	0.
36.0	0.	37.0	0.	38.0	0.	39.0	0.7982039	40.0	0.
41.0	0.	42.0	0.	43.0	0.	44.0	0.	45.0	0.
46.0	0.	47.0	0.	48.0	0.	49.0	0.	50.0	0.8788367
51.0	0.	52.0	0.	53.0	0.	54.0	0.	55.0	0.
56.0	0.	57.0	0.	58.0	0.	59.0	0.	60.0	0.
61.0	0.	62.0	0.	63.0	0.4893754	64.0	0.	65.0	0.
66.0	0.	67.0	1.549924	68.0	0.	69.0	0.	70.0	0.
71.0	0.	72.0	0.	0.0	0.0	0.0	0.0	0.0	0.0

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.30433726
 CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.61987455
 CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.60987455

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 172 INPUT VS IDENTIFICATION CORRECT
 MINPS=000000000002 NCYCS=00000000014 INDIC=00000000000

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.15477008
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41377176
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.67277345
 ** CONTROL=000000000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.57277345

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	1.1426927	7. 1	0.	8. 1	1.3032601	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0682350	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	1.1006383	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.0871635
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	1.0174268	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
 ** CONTROL=000000000005
 4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.49999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0533595	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.05336								
SUM NO. 2 IS	0.								

*** 173 INPUT H6 IDENTIFICATION CORRECT
 MINPS=000000000001 NCYCS=00000000014 INDIC=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.53083120
 ** CONTROL=000000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.47628643
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -2.32174164
 ** CONTROL=000000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.87401405
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.65015025
 ** CONTROL=000000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.53821836
 ** CONTROL=000000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.53821836

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0474713	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.5586553	13. 1	0.	14. 1	0.4874775	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.4599250
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.3155485	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.0713943	37. 1	0.1900952	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.5566373	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.5618309
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.5250129	63. 1	0.2423052	64. 1	0.	65. 1	0.7668302
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.26626082
 ** CONTROL=000000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.53252167
 ** CONTROL=000000000003
 2 BIAS CHANGES

LEVEL 2 MS * 0.0100000 BIAS * -0.53252167

COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 2 0. 2. 2 1.000000 0. 0 0. 0. 0 0. 0. 0. 0. 0. 0.

SUM NO. 1 15 C.
SUM NO. 2 15 1.00000
*** 174 INPUT V6 IDENTIFICATION CORRECT
MIMPS=00000000014 NCYS=00000000014 INDICT=00000000001

END OF INPUT. SIMULATION COMPLETE.
MAIN TEST IS DONE.

Table with columns: AC, MW, SENSE IND, KEYS, XR1, XR3, XR4, XR5, XR6, XR7, Q-BIT, P-BIT, TRAP, DCT, IOT, OFL, SENSE LIGHTS, 90 LDC, SENSE SWITCHES. Contains simulation data for various components and sensors.

02360	044100002332	002000400001	-206751242060	-206047642060	-206047512060	056400000702	063400402373	0074000401673
	LDI 4J00C+	TRA 0+0-01	TNX RD+	TNX PU+	TNX PR+	ENB 500027	SXA 610-C,	TSX 010-*,
02370	000000000001	004003002375	0600000000710	077400400000	002000000723	-204146226063	255144314521	-232574606060
	HTR 000001	TLQ 0-30C+	STZ 600078	AXT 710-00	TRA 0+007C	TNX JOB T	TXL ERMINA	TNX TED
02400	-000000000000	000001000000	-370000000000	000000777777	-377777477777	000000400000	-206060606060	006060606060
	-000000	HTR 001000	TXL +00000	HTR 000***	TXL ***P**	HTR 000-00	TNX	TCOA* 0
		WORDS 02410	TO 02567	ALL CONTAIN	000000000000	HTR 000000		
02570	-076400001230	002000002173	002000002570	076000000012	060000002574	076000000005	067000002575	060100002576
	BSF P000**	TRA 0+00E,	TRA 0+00EY	DCI 7 000*	STZ 6000E1	LOT 7 0005	STZ 6000E*	STO 4100E*
02600	077100000043	060100012600	-014000002604	060000002601	-060000002577	063400102602	063400202603	063400402604
	ARS 72000L	STO 6100FD	TNO 1 00F4	STZ 6000F1	STQ 0000E*	SXA 6108F2	SXA 610+*3	SXA 610-F4
02610	077400400004	-076000400145	002000002614	060000402611	000001402611	077400400006	076000400147	060000402617
	AXT 710-04	SLT P 0-1M	TRA 0+00F*	STZ 600-F9	TXL +01-F9	AXT 710-06	SWT 7 0-1X	STZ 600-F*
02620	200001402616	060400002617	-075400000000	-077400400144	036100100000	200001402624	060200002620	050000002642
	TXL +01-F*	STI 6400F*	PXD P+0000	AXC P10-1M	ACL 3/0800	TXL +01-FD	SLW 6200F*	CLA 5000FK
02630	060100002573	076000000004	-062000002570	-060000000000	000000000000	054000002640	077000001230	000000000103
	STD 6100E*	ENK 7 0004	SLQ 0+00EY	STQ 0000E2	WRS 7000+H	RCHA 5--00F-	WEF 7Y009H	HTR 000013
02640	200144000001	-000031002570	077777000001	000000000000	000000000000	000000000000	000000000000	000000000000
	TXL +1M001	-010EY	7**001	HTR 000000	HTR 000000	HTR 000000	HTR 000000	HTR 000000
02650	000000000000	000000000000	2+2362606060	000001100004	312241462260	000005100007	-246724216375	000014100001
	HTR 000000	HTR 000000	FIX UCS	HTR 001804	TXH 18JUB	HTR 005807	TNX UPDATE	HTR 001801
02660	-22465163606C	000015100002	312262262147	000017100001	264651635121	000020100005	-246331433163	000025100001
	TNX SORT	HTR 00+802	TXH 18SFAP	HTR 00+801	TXL FORTRA	HTR 00+805	TNX UTILIT	HTR 00E801
02670	114721236060	000026100004	314623626060	000032100002	252431634651	000034100001	312225246360	000035100001
	TXI 9PAC	HTR 00F804	TXH 10CS	HTR 00+802	TXL EDITUR	HTR 001801	TXH 18EDT	HTR 00+801
02700	-246331436370	000036100001	-054645626324	000037100001	-206060606060	000000000000	-206060606060	000000000000
	TNX JTILTY	HTR 00+801	LCHEF NOMSTD	HTR 00+801	TNX	HTR 000000	TNX	HTR 000000
02710	-20606060606C	000000000000	-206060606060	000000000000	-206060606060	000000000000	-206060606060	000000000000
	TNX	HTR 000000	TNX	HTR 000000	TNX	HTR 000000	TNX	HTR 000000
02720	-20606060606C	000000000000	-206060606060	000000000000	-206060606060	000000000000	-206060606060	000000000000
	TNX	HTR 000000	TNX	HTR 000000	TNX	HTR 000000	TNX	HTR 000000
02730	-20606060606C	000000000000	-206060606060	000000000000	-206060606060	000000000000	-206060606060	000000000000
	TNX	HTR 000000	TNX	HTR 000000	TNX	HTR 000000	TNX	HTR 000000
02740	-20606060606C	000000000000	-206060606060	000000000000	-206060606060	000000000000	-206060606060	000000000000
	TNX	HTR 000000	TNX	HTR 000000	TNX	HTR 000000	TNX	HTR 000000
02750	-20606060606C	000000000000	-206060606060	000000000000	-206060606060	000000000000	-206060606060	000000000000
	TNX	HTR 000000	TNX	HTR 000000	TNX	HTR 000000	TNX	HTR 000000
02760	-20606060606C	000000000000	-206060606060	000000000000	-206060606060	000000000000	-206060606060	000000000000
	TNX	HTR 000000	TNX	HTR 000000	TNX	HTR 000000	TNX	HTR 000000
02770	-20606060606C	000000000000	-206060606060	000000000000	-206060606060	000000000000	-206060606060	000000000000
	TNX	HTR 000000	TNX	HTR 000000	TNX	HTR 000000	TNX	HTR 000000
03000	-20606060606C	000000000000	-206060606060	000000000000	-206060606060	000000000000	-206060606060	000000000000
	TNX	HTR 000000	TNX	HTR 000000	TNX	HTR 000000	TNX	HTR 000000
03010	-20606060606C	000000000000	-206060606060	000000000000	-206060606060	000000000000	-206060606060	000000000000
	TNX	HTR 000000	TNX	HTR 000000	TNX	HTR 000000	TNX	HTR 000000
		WORDS 03020	TO 04507	ALL CONTAIN	C00000000000	HTR 000000		
04510	000000000000	060000004511	077400100010	-050000000004	060200005005	-050000004521	060200000004	056400004546
	HTR 000000	STZ 6000N9	AXT 710808	CAL N00004	SLW 620005	CAL N0000A	SLW 620004	ENB 5000N0
04520	052200104557	0021000094522	200001104517	076000000016	-077400107746	060000100000	200001104525	-050000005005
	XEC 5808N*	TR 0A00N8	TXL +0184*	LMTM 7 000*	AXC P108+0	STZ 609800	TXL +0184E	CAL N00005
04530	050200000004	077400300000	077400500000	077400600000	077400700000	-076000000016	060000000207	060000000206
	SLW 620004	AXT 710M00	AXT 710Q00	AXT 710 U00	AKT 710Y00	MSE P 000*	STZ 600027	STZ 600026
04540	060000000200	-050000004545	060200000002	060200000010	002000004560	002100000210	000377000377	-076000000007
	STZ 600020	CAL N0000N	SLW 620002	SLW 620008	TRA 0+00N	TR 0A0028	03+03*	LTM P 0007
04550	-076000000005	077200001205	-076000000002	076000000012	076000000005	014000004522	076000000140	016100004522
	ESTM P 0005	REW 7+00*5	EFTM P 0002	DCI 7 000*	IUT 7 0005	TOV 1-00N8	SLF 7 001-	TQO 1/00N8
04560	060000000101	-060000007401	077400400161	056000407562	-060000400262	200001404563	060000000104	060000000105
	LQ 5 0011	STQ 000011	AXT 710-1/	LQ 5 0-+5	STQ 000-25	TXL +01-MT	STZ 600014	STZ 600015
04570	060000000062	077400400062	056000406714	-060000402652	200001404572	-077400400214	056000002400	050000400261
	STZ 600005	AXT 710-05	LQ 5 0-x1*	STQ 000-F-	TXL +01-N*	AXC P10-2*	SLW 5 0000	STZ 600-2/
04600	-060000400260	060000400257	-060000400256	100004404604	300000404777	-077400400262	077400200003	-050000007563
	STQ 000-2	STZ 600-2*	STQ 000-2*	TXI 804-04	TXH 000-N*	AXC P10-25	AXT 710+03	CAL N000+1
04610	-060200400000	177744046127	-073400100000	100020104614	-075400100000	200001204610	-050000007562	-050000000400
	ORS 020-00	TXI **1-0*	PDX P10800	TXI 80+80*	PXJ P+0800	TXL +01+08	CAL N000+5	LGR PV000-
04620	-060000007562	073400100000	050000007564	-300000104626	007400204762	200001104624	-053400107564	101000104630
	STQ 0000+5	PAX 710800	CLA 5000+0	TXL Y0080F	TXL 010+P5	TXL +0180D	LXD N108+U	TXI 88060H
04630	-063400107564	077400100174	100001104633	063400104631	063400104775	077400100001	100001104637	063400104635
	SXD 0108+0	AXT 71/811	TXI 80180*	SXA 6108U1	SXA 6108P*	AXT 710801	TXI 80180*	SXA 6108N*
04640	-300004104616	050000000107	073700200000	-073400100000	050000200000	063400204647	007400406350	077400200000
	TXL Y0480*	CLA 500017	PAC 7+0+00	PDX P10800	CLA 500+00	SXA 610+0P	TXL 010+00	AXI 710+00
04650	067100200000	007400406305	177777204653	200001104644	077400100144	-050000103016	060200107732	200001104655
	STA 6A0+00	TXL 010-T5	TXI ***+03	TXL +0180M	AXT 71081M	CAL N000H*	SLW 6208+*	TXL +0180*
04660	077400100144	-050000107733	077100000017	-032000007245	062100107733	0625000107733	2000002104661	052000000032
	AXT 71081M	CAL N000*	ARS 77000*	ANA L+00+N	STA 6A0H*	STT 6E08*	TXL +0280/	ZET 5+000*
04670	000000004776	-050000004511	010000004703	052000000022	002000004673	-062500000736	042000000000	060000000736
	HTR 0000P*	CAL N000N9	TZE 1000P3	ZET 5+0008	TXA 0+0001	STL 0E007*	HPR 4+0000	STZ 60007*
04700	-050000005006	0621000070003	0020000000004	-050000004713	062100000300	-050000004710	007400400240	002000004711
	CAL N000Q6	STA 6A0003	TRA 0+0004	CAL N000P*	STA 6A0030	CAL N000P*	TXL 010-2*	TRA 0+00P*
04710	242331245160	-062500000205	050000000151	073700200007	-300000206270	056000004760	060000000027	-060000000023
	TXL DC10K	STL 0F0025	CLA *0001R	PAC 7+0+02	TXL Y00+SY	LQ 5 00P	STZ 600008	STQ 00000C
04720	-062000000022	060000010127	007400402125	053500110127	167651104725	063400105755	367651106542	050000100000
	SLO 0+000E	STZ 600116	TXL 010-AE	LAC 5+091*	TXI **+8PE	SXA 6108**	TXH **R8VK	CLA 500800
04730	076700000002	073700200000	177502704733	000214204735	100214204735	044100100001	060400200003	-01200004757
	ALS 7X0002	PAC 7+0+00	TXI **+2P*	TXH **+2P*	TXI 8214P*	LDI 4J0801	STI 6A0+01	TXI 4+00P*
04740	075600200000	007400406305	005100760014	00540077007/	100002104726	-034600000000	-076500000014	077100000006
	PCA 7+0+00	TXL 011-T5	LIR 0R0101	RFT 0+0+0*	TXI 8028P*	TXA -100000	LGR PV000*	ARS 77000*
04750	-076000000006	073400400000	-304077404757	305111404757	062100200000	-050000004761	060200200000	100002104726
	LTL P10006	PAX 710-00	TXL Y--P*	TXH HR9-P*	STA 6A0+00	CAL N000P*	GRS 120+000	TXI 8028P*
04760	000020010127	040000000000	063400204773	-060200400000	-073400200000	100001204766	075600400000	062160004775
	HTR 00+110	ADD 40000C	SXA 610+P*	ORS 020+00	PDX P10+00	TXI 801+PW	PCA	

05030 -060000100001 007400401357 -000000200000 002000005107 005040005036 205065005037 300030005210 300014005174
STQ 000801 TSX 01G--* -00+00 TRA 0+00R7 0Q-0Q* TIX +QV00* TXH H0M--B TXH H0R0R
012000005015 -005600020000 002000005063 -062500002005 077400205007 044160000151 -005600000300 002000005071
TPL 1+00+ INT -+0+00 TRA 0+00GT STL UE0025 AKT 710+Q7 LDI +4J 01K LNT --0030 TRA 0+00Q7
077400705052 002000005071 007400401673 000000000001 000000005056 007400402365 -202346456351 -064360232151
AKT 710+Q- TRA 0+00QZ TSX 010-*, HTR 000001 HTK 0050Q* TSX 010-CV TNX CONTR SCHM+ DL CAR
246260314521 232325026221 274325606060 077400205106 002000005071 012000005075 -005400200000 002000400001
TIX OS INA TIX CCESSA TIX BLE AKT 710+R6 TNA 0+00QZ TPL 1+00Q* LFT --0+00 TRA 0+0-01
077400205107 063400205033 073700200000 060000200001 002000400001 073700200000 050000200001 062100101004
AKT 710+R7 SKA 610+Q, PAC 7+0+00 STZ 600+01 TRA 0+0-01 PAC 7+0+00 CLA *00+01 STA 6A0884
05100 060000000135 060000006624 034000006627 002000400001 060000101042 002000400001 007400 06766 050000006624
STZ 60001* CLA 5000WD CAS 3-00WG TRA 0+0-01 STZ 60088K TRA 0+0-01 TSX 010-KW CLA 5000WD
040200006627 -010000005124 050000005174 034000005245 002000005116 002000005124 040200005124 040200005246 010000005641
SUE 4200WG TNZ J000RD CLA 5000R1 CAS 3-00-N TRA 0+00R* TRA 0+00RD SUB 4200-0 TZE 1000WJ
05120 050000005174 040200005255 -010000005007 002000006045 -050000005176 056000005177 -076300000022 060200005240
CLA 5000R1 SUB 4200-- TNZ J000Q7 TRA 0+00 N CAL N00R* LDQ 5 00R* LGL PT000B SLW 6200--
05130 -050000005174 077400400027 -034000405270 002000005135 002000405317 200001405132 004400000000 0056000533124
CAL N00R1 AKT 710-QG LAS L-0--Y TRA 0+00R* TRA 0+0-0* TIX +01-R* PAI 0M000 LNT --0+01
05140 002000005153 -005400244653 002000005153 007400400117 000000005174 052000000122 002000005007 007400401673
TRA 0+00R4 LFT --0000* TRA 0+00R5 TSX 010-1* HTK 0000R1 ZET 5+001B TRX 0+00Q7 TSX 010--*
05150 000000000001 000014005174 002000005007 -005600535400 002000005161 -00540024230C 0C2000005161 007400105541
HTR 000001 HTR 00+0R1 TRA 0+00Q7 LNT --0+0* TRA 0+00R/ LFT --00C0 TRA 0+00R/ TSX 0108+J
05160 007000005007 007400401673 000000000002 004013005174 000006005166 002000005007 -204546636021 -202221623123
CLA 0+00Q7 TSX 010--*, HTR 000002 TLQ C-0R1 HTR 0060R* TRA 0+00Q7 TNX NOT A TRX BASIC
05170 -204446453163 -065160234645 -235146436023 215124606060 -136263469760 -206060060606 -206060606060 -206060606060
TNX M0411 OK CDN TNX TRDL C TIX ARD *\$TUP TNX TNX TNX
WORDS 05200 TQ 05207 ALL CONTAIN -206060606060
05210 -205125273146 -056066303143 256043462124 314527604331 -054233602321 -054546636047 -114623252524 336060606060
TNX L6E10 N WHIL TIX E LOAD TXH ING LI KCHP NK. CA LCHD NNOT P ROCEED TXH
100000000126 300000200000 100000005404 000016000366 000015000316 000003000000 000002000000 000001000000
TIX 80001F TXH H0G+00 TIX 8000+4 HTR 00+03W HTR 00+03* HTR 003000 HTR 002000 HTR 001000
05230 000021000356 000020000352 050000200020 000000005166 000000000010 000001000000 002117001055 000000017177
HTR 00A03* HTR 00+03- CLA 500+0* HTR 0000RW HTR 000008 HTR 001000 TTR 0A+0* TXH 00012*
-206060606060 -132162623177 -132321512462 -132471632560 -132545242631 -132567252364 -133122627062 -134146226060
TNX BASS10 SCARDS SDATE SENDFI SEKFCU SIBSYS SJOB
05250 -134721646225 -135125432521 -135125444665 -135125623466 -135125663145 -136263464760 -136266313323 -136321472560
\$PAUSE \$RELEA \$REMOV \$RESTU \$REWLN \$STOP \$SWTC \$STAPE
05260 -136445434621 -133122254663 -135125622563 -133122414622 -132163254524 -133146222162 -136225636447 -136445316362
\$UNLD* \$RESET \$IBEDFI \$IBJOB \$ATEMD \$IB08AS \$SETUP \$IBNITS
05270 002000005317 002000005555 002000005526 002000005564 002000005513 002000006541 002000005647 002000 15536
TRA 0+008* TRA 0+00** TRA 0+00+* TRA 0+00** TRA 0+00** TRA 0+00VJ TRA 0+00+P TP 1 0+00**
05300 002000005363 002000005566 002000005623 002000005562 002000006045 002000005440 002000005557 002000005566
TRA 0+008T TRA 0+00+W TRA 0+00+C TRA 0+00+* TRA 0+00 N TRA 0+00-- TRA 0+00** TRA 0+00+W
0531 0C2000006163 0C2000006173 002000005504 002000005531 002000005531 002000005531 002000005533 007400106301
TRA 0+00C/ TRA 0+00C/ TRA 0+00+* TRA 0+00+* TRA 0+00+* TRA 0+00+* TRA 0+00+* TXH 0108T1
05320 07740040003C -050000005240 -034000407301 002000005325 002000005327 200001405322 002000006261 063400405331
AKT 710-0F CAL N00-- LAS L-0-1 TRA 0+00E* TRA 0+00G TIX +01-8B TRA 0+00S/ SKA 610-1*
05330 007400105374 077400400000 -050000005240 -032000002403 077400100214 -034000100501 002000005340 177302105355
TSX 010881 AKT 71J-00 CAL N00-- ANA L+00D3 AKT 71082* LAS L-0851 TRA 0+008- TXJ *288*
05340 200004105335 -050000400170 077400100000 300000105007 077400200004 -050000200200 073700100000 300000105353
TIX +0488* CAL N00-1Y PAX 710800 TXH H008Q7 AKT 710+04 CAL N00+20 PAC 7+0800 TXH H00884
05350 200001205345 056000005240 002000006271 052000100603 002000005361 075600100000 062100400170 007400406305
TIX +01+8N LDQ 5 00-- TRA 0+00S/ ZET 5+0803 TRA 0+00S/ PCA 7+0800 STA 6A0-1Y TSX 010-T5
05360 002000005307 -050000100000 002000005316 007400105301 -077400105006 -050000005240 077400400030 -034000407301
TRA 0+00Q7 CAL N00800 TRA 0+00+0 TSX 0108T1 AKC P108Q6 CAL N00-- AKT 710-0H LAS L-0--1
05370 002000005372 002000005374 200001405367 002000006261 300007405611 050000400170 062100005437 077400000000
TRA 0+008* TRA 0+0081 TIX +01-8X TRA 0+00S/ TXH H0G--9 CLA 500-1Y STA 6A00** PKD P0000
062100400170 053500205437 044100200003 052000200003 005400007707 005400770070 002000100001 077400409030
STA 6A0-1Y LAC 5+0+** LDI 4**+03 ZET 5+0+03 KFT 0+00+7 RFT 0+00+Y TRA 0+0801 AKT 710-0H
05410 050000400170 -032000000204 -034000005437 002000005415 002000100001 200001405410 044100200000 -050000000000
CLA 500-1Y ANA L+0024 LAS L-00** TRA 0+00** PIA 0+0801 TIX +01-8* LDI 4J0+00 LNT --0030
05420 002000005422 002000100001 050000005437 007400406305 -004600000000 077100000011 -032000007237 -073700400000
TRA 0+008* TRA 0+0801 CLA 5000** TSX 010-F5 PIA -0G000 ARS 720009 ANA L+00** PDC P0-00
004500400000 060400200000 050000400173 062100200000 050000005437 062100400173 002000100001 000000000000
SIL --0-00 STI 640+00 CLA 500-1, STA 6A0+00 CLA 5000** STA 6A0-1, TRA 0+0801 HTR 000000
05440 007400106301 -050000005240 077400400030 077400200030 -034000407301 002000005447 002000005451 200001405444
TSX 0108T1 LAL N00-- AKT 710-0H AKT 710+0H LAS L-0-1 TRA 0+00+P TRA 0+00+R TIX +01-NM
05450 007000006261 300027405611 -050000005177 056000005200 -076500000014 -013000000000 -034000207301 002000005461
TRA 0+00S/ TXH H0G--9 LDQ 5 00-0 LGR PV000* KCL JH0000 LAS L-0-1 TRA 0+00+7
05460 002000005462 200001205456 002000006261 300027405611 056000400170 -05000020017J 062100400170 062200400170
TRA 0+00+T TIX +01+** TRA 0+00S/ TXH H0G--9 LDQ 5 0-1Y CAL N00+1Y STA 6A0-1Y STD 680-1Y
05470 -013000000000 062100200170 062200200170 -063400405476 -063400205501 -077400200170 100000205477 007400106341
KCL JH0000 STA 6A0+1Y ST: 6B0+1Y SXD 010--* SXD 010+1 AKC P10+1Y TXI 800** TXH 0108TJ
05500 -077400200170 100000205502 007400106341 002000005007 -077400200151 -052000000205 -077400200144 007400401452
AKC P10+1Y TXI 800+*2 TSX 0108TJ TRA 0+00Q7 AKC P10+1R N2T H+0025 AKC P10+1M TXH 010-1*
05510 000005200000 -050000007302 00200005240 007400106301 -077400200140 -052000004511 007400106341 007400406434
HTR 005+00 CAL N000,* SLW 6200-- TSX 0108T1 AKC P10+1* N2T H+00N9 TSX 0108TJ TSX 010-UJ
05520 -050000200000 073700200000 076700000022 062200000121 -050000005240 002000000240 -050000005240 060200000101
CAL N00+00 PAC 7+0+00 ALS 7K0008 STD 68001A CAL N000-- TRA 0+002- CAL N0LJ-- SLW 620011
05530 002000305007 007400106301 002000005007 007400106301 007400405642 002000005007 00740C105541 007401402211
TRA 0+00Q7 TSX 0108T1 TRA 0+00Q7 TSX 0108T1 TSX 010--5 TRA 0+00Q7 TSX 0108+J TSX 011-89
05540 002000305007 077400200013 -050000002406 -034000205210 002000005546 002000005553 -063400205551 007400401673
TRA 0+00Q7 AKT 710+0* CAL N000D6 LAS L-0--8 TRA 0+00+0 TRA 0+00+* SKD 010+R* TSX 010--*,
000000000001 000000205210 002000100001 200001205543 0C2000100001 060000000205 002000005560 -062500000205
TIX +00001 HTK 00L+H TRA 0+0801 TIX +01+** TRA 0+0801 STZ 600025 TRA 0+00+* STL CE0025
05560 007400106301 002000005007 077400200003 002000005567 077400200007 002000005567 007400200004 077400106301
TSX 0108T1 TRA 0+00Q7 AKT 710+03 TRA 0+00+* AKT 710+07 TRA 0+00+* AKT 710+04 TSX 0108T1
05570 -063400205606 -050000005240 077400200030 034000207301 002000005576 002000005600 200001205573 002000006261
SKD 310+*6 LAL N000-- AKT 710+0H LAS L-0-1, TNA 0+00** TRA 0+00+0 TIX +01+** TRA 0+00S/
05600 300027205611 -013000000001 050000200170 073400400030 -030000406271 007400401452 000000200170 076100000000
TXH HUG+*9 KCL JH0000 CLA 500+1Y PAX 710-00 TXL Y00-52 TSX 010--* HTR 000+1Y N0P 70000
05610 002000005007 007400401673 000000000001 000000005615 -7401402365 -266270624322 016062472523 312631232163
TRA 0+00Q7 TSX 010--*, HTR 000001 TSX 010-CV TNX SYSLH 1 SPEC TXH IFICAT
05620 314645601360 232163216261 -114647302560 007400106301 056000005607 -060000000460 050000000133 060100007433
TXH 10N * TIX LATAST K0PHE TSX 0108T1 LQ 5 0C+7 STQ 000000 CLA 50001- STD 61001-
05630 050000000205 060100001705 056400000202 056000000206 060000007506 056000000207 -060000007507 077400400154
CLA 500025 STQ 6100+5 FNH 500022 LQ 5 002* STL 0000+6 LDQ 5 0027 STQ 0000+7 AKT 710-1*
05640 050000407562 -060000407262 200001405640 060000004511 077400405007 063400404070 002000004571 050000007432
LQ 5 0--5 STQ 600-25 TIX +01-- STZ 600004 AKT 710-Q7 SKA 610-P7 TRA 0+00N2 CLA 50001+
05650 06010000624 007400400117 000000005174 052000005172 002000005640 007400401673 000000000001 004013005174
ST: 610+T TIX 010-1* HTK 6000R1 ZET 5+001B TRA 0+00+* TIX 010--*, HTR 000001 TLO 0--0R1

05660 00740040566 002000005007 063400406022 056000007732 -077400407772 077400200010 -060000400000 -050000207741
TSX 010-55 FRA 040007 SKA 610-8 LDQ 5 00+ AKC P10-00 AXI 710-00 STJ 300-00 CAL 400+01
05670 004200400001 -050000207744 060200400002 177751405674 200002205666 060000400000 -062000400000 077400100214
SLW 620-01 CAL N00+0M SLW 670-02 TXI **R-01 TIX +02+0M STZ 600-00 SLJ 0+0-0G AXI 710621
05700 -050000002406 077400200024 052000000273 002000005702 060200210021 060200210050 060200210126 060200207772
CAL N00006 AXI 710+0D 052000000273 002000005702 060200210021 060200210050 060200210126 060200207772
05710 060200210077 20000105704 077400200024 056000103476 007400400030 077100000014 -050100060043 060200207772
SLW 620A0+ TIF +01+04 AXI 710+0D LDQ 5 08+ ISX 010-C AKS 72000+ DMA N10G L SLW 620+0+
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PKA 7+0800 PAC 7+0-00 TXI 84+0-C SKA 610-0 AXI 710-0M CAL N00-1Y ANA L+0024 PRX 4200-0
05730 -010000005736 -050000407301 -037000002403 -050100007250 060200210021 002000005737 200001405725 075400100000
TNZ J000+0 CAL N00-1 ANA L+00+3 DMA N100+J SLW 620A0A TRA 0+00+0 TIX +01-E PRX 4200-0
05740 077100000002 073700400000 300200105744 100040405745 100103405745 075400400000 06020006037 CC+40040766
ARS 720002 PAC 7+0-00 TXH H208+M TXI 80-0+M TXI 813-0M PXA 7+0-00 SLW 6200+0 TXS 610-7M
05750 -013000000000 -050100006041 060200210077 -050000006042 060200210126 077400406764 367651406007 -050000400000
XCL JH0000 ORA N100 J SLW 620A0+ CAL N000 K TXI 802-00 CLA 500-00 PDX P10-00 TXL Y00-01 XCL JH0000
05760 -032000000204 040200006037 010000005764 100002405756 050000400000 -073400400000 -300000405774 -013000000000
ANA L+0024 SUB 4200-0 TZE 1000+0 TXI 802-00 TXI 802-00 TXL Y00-01 XCL JH0000
05770 007400404333 077100000014 -050100006043 060200210126 056000100901 077400400000 -076300000000 004400000000
TSX 010-C ARS 72000+ DMA N10G L SLW 620A1F LDQ 5 0651 AXI 710-00 LSL P10006 PAI 0M0000
06000 005400000077 100006406005 -050100006040 100006406004 -300034405776 -076300400044 060700210050 200004106011
RFT 0+00+0 TIX 806-5 ORA N100-0 TIX 806-4 TXL Y00-00 LGL P10-0M SLW 620A00 TIX +048-9
06010 177774106012 200001205713 056000006024 -060000000273 007400401357 000000006044 300000105700 07400401673
TXI **R-01 TIX +01+0M LDQ 5 00 D STQ 00002, TXS 610-0+ HTR 0000 M TXH H008+0 TXS 010-0+
06020 000000000001 004000000000 077400400000 020000400001 -006025000000 -012000006033 -050000006035 060200000022
HTR 000001 TLQ 0+00+0 AXI 710-00 TRA 0+0-01 TCNA -L 0000 TMI J+00-0 CAL N000-0 SLW 62000+
06030 -050000006036 060200000023 002000400001 060000000273 002000400001 000016000042 300164007743 000000002000
CAL N000-0 SLW 62000C TRA 0+0-01 STZ 60002, LRA 0+0-01 HTR 00+00K TXH H1000L HTR 000000
06040 000000000060 060606000000 -20624316242 -206000000000 000000000272 007400106301 053500200153 060000006125
HTR 00000 TCNA=0 00 TXH DISK TNX 0000 HTX 00002+ TSX 010871 LAC 5+0+18 STZ 60007E

06510	-062500000062 STL 110095 077400100144	-050000400001 CAL 4000-01 077400100144	050000000000 STL 600030 -050000103016	040200001744 SUN 4200M 060200101732	062200000300 STL 600030 200001106522	060100000126 STL 610016 -050000100144	077400100000 ACT 710800 -050000107733	077400400000 ACT 710000 AKS 770000
06520	0070000400001 TWA 010-01 062100107733	077400100144 ACT 71081M 062100107733	CAL 7000M STL 6000M 056000007432	060200101732 SLW 620M+ 200002106526	062200000300 TIX +018M -07400000016	060100000126 ACT 71081M 060100006624	077400100214 CAL 7000M 060000100501	077100000177 STL 6000M 200004106536
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06540	007000004715 TWA 0000P 007000004715	077400100144 TAX 010M+ 034000006626	STL 6000M STL 6000M 056000007432	060200101732 CLA 5000P+ 007000006554	062200000300 STW 0000P+ 034000006627	060100000126 ACT 710827 002000006557	077400100214 CAL 7000M 060000100501	077100000177 STL 6000M 06000006551
06550	007000004715 TWA 0000P 007000004715	077400100144 CAS 3-00M+ 007400106401	STL 6000M STL 6000M 056000007432	060200101732 TWA 0000P+ 007000006554	062200000300 CAS 3-00M+ 007000006627	060100000126 ACT 710827 002000006557	077400100214 CAL 7000M 060000100501	077100000177 STL 6000M 06000006551
06560	007000004715 TWA 0000P 007000004715	077400100144 TAX 010M+ 034000006626	STL 6000M STL 6000M 056000007432	060200101732 TWA 0000P+ 007000006554	062200000300 CAS 3-00M+ 007000006627	060100000126 ACT 710827 002000006557	077400100214 CAL 7000M 060000100501	077100000177 STL 6000M 06000006551
06570	-076500000022 LCP P0000B 077400100144	-060000005177 STW 0000M+ 056000002406	0560000006630 LDW 5 00M -060000105710	040200001744 SUN 4200M 060200101732	062200000300 TIX +018M -07400000016	060100000126 ACT 710827 034000007432	077400100214 CAL 7000M 060000100501	077100000177 STL 6000M 06000006551
06600	077400100144 ACT 71080M 077400100144	077400100144 LW 5 00M 056000002406	0560000006630 LDW 5 00M -060000105710	040200001744 SUN 4200M 060200101732	062200000300 TIX +018M -07400000016	060100000126 ACT 710827 034000007432	077400100214 CAL 7000M 060000100501	077100000177 STL 6000M 06000006551
06610	077400100144 ACT 71080M 077400100144	077400100144 LW 5 00M 056000002406	0560000006630 LDW 5 00M -060000105710	040200001744 SUN 4200M 060200101732	062200000300 TIX +018M -07400000016	060100000126 ACT 710827 034000007432	077400100214 CAL 7000M 060000100501	077100000177 STL 6000M 06000006551
06620	063400406622 SKA 610-MR -2325660606C	077400100144 TAX 010M+ 034000006626	0560000006630 LDW 5 00M -060000105710	040200001744 SUN 4200M 060200101732	062200000300 TIX +018M -07400000016	060100000126 ACT 710827 034000007432	077400100214 CAL 7000M 060000100501	077100000177 STL 6000M 06000006551
06630	-2325660606C TWA TWA	-276767676767 TAX 010M+ 034000006626	0560000006630 LDW 5 00M -060000105710	040200001744 SUN 4200M 060200101732	062200000300 TIX +018M -07400000016	060100000126 ACT 710827 034000007432	077400100214 CAL 7000M 060000100501	077100000177 STL 6000M 06000006551
06640	000000002575 STL 6000P+ 063400202603	060100002576 STL 6100M+ 063400402604	0560000006630 LDW 5 00M -060000105710	040200001744 SUN 4200M 060200101732	062200000300 TIX +018M -07400000016	060100000126 ACT 710827 034000007432	077400100214 CAL 7000M 060000100501	077100000177 STL 6000M 06000006551
06650	063400202603 SKA 610-F4 07600000167	060100002576 STL 6100M+ 063400402604	0560000006630 LDW 5 00M -060000105710	040200001744 SUN 4200M 060200101732	062200000300 TIX +018M -07400000016	060100000126 ACT 710827 034000007432	077400100214 CAL 7000M 060000100501	077100000177 STL 6000M 06000006551
06660	07600000167 SWT 7 0-1X 06020002220	060100002576 STL 6100M+ 063400402604	0560000006630 LDW 5 00M -060000105710	040200001744 SUN 4200M 060200101732	062200000300 TIX +018M -07400000016	060100000126 ACT 710827 034000007432	077400100214 CAL 7000M 060000100501	077100000177 STL 6000M 06000006551
06670	06020002220 SLW 6200P+ 07700000123C	060100002576 STL 6100M+ 063400402604	0560000006630 LDW 5 00M -060000105710	040200001744 SUN 4200M 060200101732	062200000300 TIX +018M -07400000016	060100000126 ACT 710827 034000007432	077400100214 CAL 7000M 060000100501	077100000177 STL 6000M 06000006551
06700	07700000123C MTR 7Y00M+	060100002576 STL 6100M+ 063400402604	0560000006630 LDW 5 00M -060000105710	040200001744 SUN 4200M 060200101732	062200000300 TIX +018M -07400000016	060100000126 ACT 710827 034000007432	077400100214 CAL 7000M 060000100501	077100000177 STL 6000M 06000006551

13060 063400213122 063400113121 -060000013574 053400413572 -300000410513 063400410441 007000013531 050000012723
SXA 610A1E SXA 61091A STU 1001*1 LXA 510J** TAL Y00J5* SXA 610J4J TRA 0*01*1 CLA 5001GC
062700013066 002000006672 007400413057 -077400213117 002000013540 050000013572 060100015027 007000013123
SID 6801HM TRA 0*00M* TXI 8*J** TXI 8*RJ** CLS 5201** STU 6101** TXS 0*01GA TXS 0*01H* AXI 710-00
13100 002000013102 107513413236 107651413236 050200013572 060100013572 002000012721 007400413057 077400400000
TKA 0*0112 TXI 8*J** TXI 8*RJ** CLS 5201** STU 6101** TXS 0*01GA TXS 0*01H* AXI 710-00
TIX +01J1* LXA 510J** TXM H02J1S 177777413114 063400413605 077400400001 200001413142 063400413115
13110 200001413155 053400413605 300002413162 177777413114 063400413605 077400400001 200001413142 063400413115
TIX +01J1* LXA 510J** TXM H02J1S 177777413114 063400413605 077400400001 200001413142 063400413115
13120 056000013574 077400100030 077400274461 060000013572 002000012721 007400413611 050060013576 060100013650
LDQ 5 01*1 AXI 7100HM AXI 7106M/ AXI 7106M/ AXI 7106M/ AXI 7106M/ AXI 7106M/ AXI 7106M/ AXI 7106M/
13130 050000013576 063400413134 007400413626 060200013645 077400400000 007400405646 100001013141 013667000115
CLA 5001** SXA 610J11 TXS 010J*F SLW 6201** 710-00 TXS 010-00 TXI 8011J 10*0*
13140 00000001364C 002000013142 050000012723 062700006571 077400413531 050000013121 062200006571 062200013066
HFR 0001** TRA 0*011K CLA 5001GC STU 6800WZ 710-00 CLA 50011A STD 6800W7 STD 6801HM
13150 007400213540 077400400001 063400413115 063400413605 077400400000 063400413107 077400100044 077400274465
TXS 010A** AXI 710-01 SXA 610J1* SXA 610J*5 AXI 710-00 SXA 610J11 AXI 71080M AXI 710GPM
13160 056000013573 002000013123 053400413605 177777413164 063400413605 050000013604 062100013156 077100000022
LDQ 5 01*1 TRA 0*011C LXA 510J*5 TXI **J10 SXA 610J*5 CLA 5001*4 STA 6A011* ARS 720000
13170 062100013157 050000013603 060100013573 050000013602 062100013157 077100000022 062100013151 -053400413605
STA 6A011* CLA 5001*3 STD 6101** CLA 5001*2 STA 6A011* ARS 720000 STA 6A011R LXA N10J*5
13200 063400413107 002000013115 -050000013207 060200012713 -075400000000 060100011504 002000012721 002000013210
SXA 610J17 TKA 0*011* CAL N001*7 SLW 6201G* P*0000 062100012713 052200*13022 002000013217 000011413211
13210 -300011413205 040200013570 010000012713 -050000013715 060200012713 052200*13022 002000013217 000011413211
TXL Y09J*5 SUB 4201*Y TZE 1001GA CAL N001*7 SLW 6201G* P*0000 062100012713 052200*13022 002000013217 000011413211
13220 -076500000003 040100011504 -076300000003 040100011504 036100011504 073400400000 -300021413205 077400400001
LGR PV0003 ADM 4101*4 LGL P10J*03 ADM 4101*4 ACL 3101*4 077400406703 063400406674 053400413572
13230 075400400000 002000013205 0020000132*2 050000012723 062200007105 STD 6800Z5 AXI 710-X3 SXA 610-M1 LXA 510J**
PXA 7*0-00 TRA 0*01*5 TRA 0*01*K CLA 5001GC 002000013310 056000011501 063400011501 -050000200000
13240 063400410502 002000013123 110366413236 053400413572 002000013310 056000011501 063400011501 -050000200000
SXA 610J52 TRA 0*011C TXI 93WJ** LXA 510J** TRA 0*01*8 LDQ 5 01*1 SXA 610A1B CAL N00*00
13250 053400206700 -200006113265 063400113253 077100000000 200001213262 053400206701 177777213257 056000011447
LXA 510*00 TNX 069*V SXA 6109*5 ARS 720000 TIX +01A*5 LXA 510*01 TXI **A** LDQ 5 11P
13260 063400206701 077400206006 -076300000006 -200001413273 200006113254 053400113122 060200100000 177777113270
SXA 610*01 AXI 710*06 LGL P10006 TNX 01J** TIX +06** LXA 510918 SLW 620800 TXI **9**
13270 063400113122 077400100044 002000013254 063400206700 053400213122 -060000011501 063400113121 -300006113306
SXA 61091B AXI 71080M TRA 0*01** SXA 610*00 LXA 510A1B AXI 710-00 SXA 61091A TXL Y069*6
13300 056000020000C -0773001000*2 -060000013574 -200006113306 063400113305 -076300000000 060200200000 007000013120
LDQ 5 0*00 *QL P*080- STD N001*1 TNX 069*6 SXA 6109*5 LGL P10000 SLW 620*00 TRA 0*01*5
13310 -050000011500 -014000013312 200006113316 077400100044 177777213315 056000200000 -076300000000 -014000013353
CAL N001*0 TND J-01*4 TIX +069*6 AXI 71080M TXI **A** LDQ 5 0*00 LGL P10006 TND J-01*4
13320 177777413321 052200010446 063400113352 -300005413331 177777213325 075400100000 062100013343 040200013313
TXI **J** XEC 580140 SXA 6109*- TXL Y09J** TXI **9**E PXA 7*0800 STA 6A01-L SUB 4201*-
13330 062100013346 053400110446 052200010447 100001113334 063400110446 200006413343 100001413337 -300006413341
STA 6A01.C LXA 510940 XEC 58014P TXI 8019*1 SXA 610940 TIX +06J.L TXI 801J*- TXL Y06J.J
13340 177777413343 -050000013566 002000013351 -076300000022 177777213345 056000200000 -076300000022 052200010446
TXI **J** CAL N001** TKA 0*01*8 LGL P10000 TXI **A-N 177777213345 056000200000 -076300000022 052200010446
13350 002000013332 -014700013352 077400100030 002000141332 060200011500 002000013123 053400413572 -060000013574
TRA 0*01*4 TND J-01*- AXI 71080M TIX +01J** SLW 6201*0 TPA 0*011C LXA 510J** STD 0001*1
13360 063400113121 063400213122 002000013401 056000011501 053400106700 200001113374 053400206701 177777113370
SXA 61091A SXA 610A1B TRA 0*0111 LCG 5 01*1 LXA 5108X0 TXI +019*1 LXA 510*01 TXI **A**
13370 200006413367 056000011447 063400206701 077400100006 -076300000006 200001413365 063400106700 -060000011501
TIX +06J** LDQ 5 11P SXA 610*01 AXI 710806 LGL P10006 TXI +01J.V SXA 6108X0 STD 0001*1
13400 00200001312C 063400010502 -077400213117 063400210513 300000413406 077400400001 063400410441 077400400000
TRA 0*011* SXA 610152 AXI P10A1* AXI P10A1* TXH 00A5* AXI 710-01 SXA 610J4J AXI 710-00
13410 002000010435 002000013411 107523413236 107665413236 050200011502 060100011503 002000013421 050000013121
TRA 0*014* TRA 0*011* TXI 8*0J** TXI 8*0J** CLS 5201*2 STD 6101*3 TRA 0*013A CLA 50011A
13420 002000013234 077400410404 063400406674 077400411434 063400410460 077400400001 -063400410407 -063400410413
TRA 0*01*1 AXI 710J44 SXA 610-M1 AXI 710J** SXA 610J40 AXI 710-01 SKD 010J47 SKD 010J4*
13430 002000013237 002000013434 060000011503 002000013417 077400410273 063400406674 077400411430 063400410400
TRA 0*01*1 TRA 0*0111 STD 6001*3 TRA 0*01*1 AXI 710CJ2 AXI 710CJ2 SXA 610-M1 AXI 710J*H SXA 610J40
13440 077400400005 002000013426 077400413216 063400413202 -062500011476 002000013462 060000011503 053400407072
AXI 710-05 TKA 0*011F AXI 710J** SXA 610J*2 STL 0F01** 077400407264 077400407102 077400411505
13450 063400407465 077400407143 063400407072 053400407467 063400407467 077400407264 063400407102 077400411505
SXA 610-1V AXI 710-2L SXA 610-Y- LXA 510-22 SXA 610-1K AXI 710-00 AXI 710-00 AXI 710-00
13460 063400407034 002000013417 077400407756 063400406674 -062500011477 077400400005 002000013426 002000013471
SXA 610-Y1 TRA 0*011* AXI 710-00 SXA 610-00 TXI 0E01** AXI 710-05 TRA 0*011F TRA 0*011Z
13470 107574413236 107703413236 063400413514 063400113516 063400213515 060000013610 050000010446 070200013572
TXI 8*0J** TXI 8*0J** SXA 610A** SXA 610A** SXA 610A** TXI 4001*8 CLA 5001*8 STD 4201*2
13500 -010000013504 050000011500 040200013566 010000013505 077400213540 060000013605 -052000011476 002000013514
TND J001*4 CLA 5001*0 SUB 4201*H TXI 1001*5 TXS 010A** STD 6001*5 N2T N*01** TRA 0*01*1
13510 060000011476 060000011477 077400413207 063400413202 077400414473 0774 0277472 077400177472 002000400001
STD 6001** STD 6001** AXI 710J** SXA 610J*2 AXI 710PM, AXI 710G** AXI 710M** TRA 0*01*1
13520 063400413514 063400213515 063400113516 060000013605 -052000011476 002000013514 060000011476 077400207460
SXA 610J** SXA 610A** SXA 6109** STD 6001*5 N2T N*01** TRA 0*01*1 STD 6001** TXS 010*1
13530 002000013514 052000013607 002000010505 -062500013607 077400277472 077400177472 077400414300 007000400001
TRA 0*01*1 ZET 5*01*7 TRA 0*0155 STL 0E01*7 AXI 710G** AXI 710*1* AXI 710PND AXI 0*01*1
13540 053400213544 002000013546 007400213707 002000013615 077400264474 002000200001 053400110446 -050000011500
SXA 610A** TKA 0*01*0 TXS 010A*7 114J00013554 056000013565 -076300000006 -014000013555 052200010446
13550 040200013566 010000013561 -050000011500 014J00013554 056000013565 -076300000006 -014000013555 052200010446
SUR 4201** TZE 1001*7 CAL N001*0 TIV 1-01** LDQ 5 01*0V LGL P10006 -206060606060 000000000000 000000000000
13560 100001113561 -211202113563 300002113564 077400100003 002000013542 002000013542 002000013542 000000000000
TXI 801** TXI 7*29*7 TXH H029*0 046773011100 -206 30000000 000000000000 000000000000 000000000000
13570 000000000000 060200011207 000000000000 046773011100 -206 30000000 000000000000 000000000000 000000000000
HTR 00000 HTR 6201*2 HTR 00000 056773011100 TNX 600 TXN 600 HTR 00000 HTR 00000 HTR 00000 HTR 00000
13600 000000000000 000000000000 000002000000 056773011100 5X,510 LXA 5100M HTR 000000 076100000000 000000013534
HTR 00000 HTR 00000 HTR 00000 076100000000 076100000000 076100000000 076100000000 076100000000
13610 000000000000 -050000013566 060200011500 002000200001 061400213544 002000013571 062100010446 -050000013566
HTR 00000 CAL N001** SLW 6201*0 TRA 0*01*1 SXA 610A** CAL N001*7 STA 6A0140 CAL N001**
13620 06020001150C -050000013565 060200011207 060200011203 060200011204 002000013544 013130000000 -077300000025
SLW 6201*0 CAL N001** SLW 6201*2 SLW 6201*3 SLW 6201*4 TRA 0*01*1 XCA 113000 077400100000 002000400001
13630 050000013565 063400114636 077400100005 076700000003 -076300000003 0000113633 077400100000 002000400001
CLA 5001*V SXA 6109** AXI 710805 ALS 7X0003 LGL P10003 077400100000 077400100000 077400100000
13640 000000000003 000020013641 000004013643 002646514421 -236201636060 206767676767 -332631516263 -206646517460
HTR 0000* HTR 0*01*1 HTR 0041*1 HTR 0041*1 TRCF TRCF TRCF T A T TXX XXXXX TXL F1PST TXL F1PST
13650 -276767676767 -336030216260 314343252721 -036627366563 -114643602330 215121236325 -116046516062 -072523312631
TXL XXXXX TXL HAS TXH H11E*4 TXH H11E*4 TXH H11E*4 TXH H11E*4 TXH H11E*4 TXH H11E*4 TXH H11E*4
13660 258260634664 -2043445276 216043316525 006351252163 202162602545 246046266026 -065144216360 000000004076
TIX ES T00 TIX L100 TIX A L100 TIX A L100 TIX A L100 TIX A L100 TIX A L100 TIX A L100 TIX A L100
13670 263144306060 263144306060 063400407265 063400413714 063400413706 007400412175 100002013707 000000004076
TIX F10M TIX F10M TIX F10M TIX F10M TIX F10M TIX F10M TIX F10M TIX F10M
13700 000000000000 000000011202 007400413714 100002013707 007400413706 007400413706 007400413706 007400413706
HTR 000000 HTR 0011*2 HTR 0011*2 HTR 0011*2 HTR 0011*2 HTR 0011*2 HTR 0011*2 HTR 0011*2
13710 -06340112360 007400413714 077400264236 007400264236 007400264236 007400264236 007400264236 007400264236
SXI 010C TXS 010C AXI 710*0 AXI 710*0 AXI 710*0 AXI 710*0 AXI 710*0 AXI 710*0 AXI 710*0

13720 063400413733 007400412175 100002013726 013740000007 000001000000 -300000612072 050000012547 007400411523
SXA 610J=C TSX 010JA* TXI 8021=F 1--007 HTM 001000 TXL Y00/+ CLA 5001EP TSX 010J=C
100002213734 013740000014 U02000013734 000000051772 -05340041210- -063400412353 007400412350 007000200001
TXI 8021=F 1--007 TRA 0+01=) HTR 0005=) LKD M10JAM SXD 010JCS TSX 010JCS TRA 0+0+01
000000051772 266651226060 063400413766 063400402652 063400413756 007400412175 100002013752 013760000015
HTR 0005=) TIX FWRB SXA 610J=W SXA 610-F- SXA 610J** TSX 010JA* TXI 8021=- 1+000+
13750 000000000001 300000611447 007400412631 100002013757 013760000021 076100013757 000000053026 063400213764
HTR 000001 TXH H007/*P TXS 010JF1 TXI 8021** 1+000A NOP 01** HTR 0005HF SXA 610A+U
007400412335 077400200001 063400206700 063400206701 077400265074 002000200001 000000053026 26512+246060
TSX 010JC* AXI 710+01 SXA 610+X0 SXA 610+X1 AXI 710FGI IRA 0+0+01 HTR GG054F TIX FRUD
13770 063400414012 063400402652 063400414005 007400412175 100002014000 014012000006 000001000001 300000612072
SXA 610J=C SXA 610-F- SXA 610J-5 TS4 010JA* TXI 8021-0 TUV 1--006 HTR 001001 TXH H007/*P
14000 050000012547 007400411523 100002014006 014012000013 076100014006 000000052150 007400412335 -053400412545
CLA 5001EP TSX 010J=C TXI 8021-6 TUV 1--007 NOP 7/01-6 HTR 000540 TSX 010JC* LKD M10JEN
-063400411624 002000200001 000000052150 265124226060 063400414150 063400402652 063400414023 007400412631
SXD 010J=C TRA 0+0+01 HTR 000540 TIX FRB SXA 610JJO SXA 610-F- SXA 610J-C TSX 010JF1
14020 100002014024 014150000010 002000014024 000000054215 063400214132 06340014062 077400100000 -075400000000
TXI 8021-D LJ0008 TRA 0+09-D HTR 0005K* SXA 610J+ SXA 610J-5 AXI 710800 PXD P=0000
056000011202 -076300000006 01006001+137 077400200033 036000214146 002000014037 002600214137 200001214034
LDQ 5 0192 LGL PT0006 TZE * 10 1J* AXI 710+03 CAJ 3-0AJ0 TRA 0+01** TRA * 0+ AJ* TIX +01A-1
14040 060000014140 002000014057 077400411000 002000014045 060000014140 050000014047 062200014072 002000014057
STZ 6001J- TRA 0+01** AXI 710J80 TRA 0+01-H STZ 6001J- CLA 5001-P STD 6801-- TRA 0+01--
14050 050000014146 062200014072 060000014121 177777114073 050000014141 060100014121 177777114040 050000014145
CLA 5001JO STD 6801-- STZ 6009JA TXI ***- CLA 5001JJ STD 6101JA TXI ***- CLA 5001JN
14060 -076500000006 -060000011202 077400200012 300014214077 -075400200000 040000014140 062200014142 050000014142
LGR PV0006 STQ 0001#2 AXI 710+0* TXH H0+A- PXD P=0+00 ADD 4001J- STD 6801JK STA 5061JK
14070 060100014121 177777114072 076100014050 075400100000 073700100000 063400141210 002000014117 300024214115
STD 6109JA TXI ***- NGP 7/01-Q PKA 7+0800 PAC 7+0800 SXA 6109J* TRA 0+01J* TXH H0DAJ*
14100 177764214101 -075400200000 040000014140 062200014143 062200014143 077400200014 111000214106 -063400214142 05000001142
TXI **UAJ1 PXD P=0+00 ASD 4001J- STD 6801JK AXI 710+0* TXI 980A06 SXD 010AJK CLA 5021JK
14110 060100014121 177777114112 050000014143 060100014121 002000014071 077400200014 077400200014 077400400706
STZ 6109JA TXI ***- CLA 5001JL STD 6109JA TRA 0+01-Z AXI 710+08 TRA 0+01J1 TSX 010-76
000000000001 076100000000 076100000000 076100000000 076100000000 050000014146 060100014121 060100014122
HTR 000001 NOP 7/0000 NGP 7/0000 NOP 7/0000 CLM 5001JO STD 6101JA STD 6101JB
14130 060100014123 060100014124 077400264236 002000200001 000000014054 000000014042 000000014040 000000014044
STD 6101JC TRA 6101JD AXI 710FK* TRA 0+0+01 HTR 0001-- HTR 0001-K HTR 0001--
14140 000000000000 001000000000 0000012011202 000020011216 000000000020 000000000060 076100000000 206060606060
HTR 000000 080000 HTR 0001#2 TXI 01#* HTR 00000* HTR 00000* NGP 7/0000
14150 000000054215 244751456060 000000000000 000000003074 000000003110 000000000026 000000000000 -244500066060
HTR 0005K* TIX FPM HTR 000000 HTR 00000H HTR 000018 HTR 00000F HTR 000003
14160 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 063400402652
HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 SXA 610-F-
14170 063400414240 050060400003 010000400001 012000014201 007400405646 100001014200 014240000014 000000014226
SXA 610JK- CLA * 50 -03 TZE 100-01 TPL 1+01K1 TSX 010-#0 TXI 8011K0 1K-00* HTR 0001KF
14200 076000000003 060100014224 -032000014222 077100000001 0400000014224 077100000001 0400000014223 077400400003
SSP 7 0003 STD 6101KD ANA L+01KB ARS 720001 ADG 4001KD ARS 770001 ADD 4001KC AXI 710-03
060100014225 050000014224 024100014225 013100000000 030000014225 040200014225 040200014210 076000000011
STD 6101KE CLA 5001KD FDP 2101KE XCA 110000 FAD 3001KE SUB 4201KB TIX +01JK8 FRN 7 0009
14220 053400414240 002000400001 001000000000 100400000000 -100070000000 -100000000000 000000000011 000004014231
LXA 510JK- TRA 0+0-01 080000 TXI 8+0000 STR 900000 STR 900000 TXI 900000 HTR 00000* HTR 0001K1
14230 000003014235 006250516374 -006734604546 -236021434346 -262524606060 002565214364 216325602646 -116020676060
HTR 0031K* TCOC OSQRTI TCNH -X) NO TNX T ALL0 TNX WED DEVALU R +X
14240 000000000000 266250516060 100000014251 077400200001 077400100013 077400456345 044100014250 002000010001
HTR 000000 TIX FSQR TXI 8001KR AXI 710+01 AXI 710+01 AXI 710+01 AXI 710+01 AXI 710+01 AXI 710+01 AXI 710+01
14250 000000000010 060400014250 063400402652 063400414461 063400414245 06340014244 063400214243 05004000003
HTR 000008 STI 6401KQ SXA 610-F- SXA 610JN/ SXA 610JKN SXA 610JKN SXA 610JKN SXA 610JKN CLA * 50 -03
14260 062100014277 062100014311 062100014341 062100014327 062100014335 062100014307 073700400000 044100400001
STA 6A01K* STA 6A01L9 STA 6A01LJ STA 6A01LG STA 6A01M* STA 6A01L7 PAC 7+0-00 LDI +J0-01
14270 -005400002000 002000014243 003500400107 050000400007 007400214343 -300000414343 007400404463 000000003060
LFT -+0+00 TRA 0+01KL LAC 5+0-17 CLA 500-07 TSX 010ALL TXL 000JLU TSX 010-MT -000H
14300 053500414277 044100400001 -005500001000 -005700002050 060400214340 007400214340 007400404501 01+30603060
LAC 5+0JK* LDI 4J0-01 SIL -+0080 RIL -+00+00 STI 640-01 TSX 010AL- TSX 010-N1 050000400011
14310 007400404463 -100000003060 053500414277 044100400001 -005700003000 060400400001 060400400001 053500400011
TSX 010-MT STR 0000H LAC 5+0JK* LDI 4J0-01 RIL -+00H0 STI 640-01 LAC 5+0-17 CLA 500-09
14320 007400214343 -300000414323 -005600004000 002000014243 007400214340 077400100001 007400404467 014411003060
TSX 010ALL TXL Y00JLC LNT -+00-0 TRA 0+01KL TSX 010AL- AXI 710801 TSX 010-MX 1M90H
14330 014401014334 300047614351 050060014351 073400100000 007400404501 014336003060 200001114334 002000014243
IM11L TXH HOP/LR CLA * 50 1LR PAX 710800 TSX 010-N1 TIX +019L TXI 0+01K1
14340 007400404463 -100000003060 002000200001 073400400000 -063400414347 050050014277 073700400000 100302414350
TSX 010-MV STR 0000H TRA 0+0+01 PAX 710-00 SXU 010JLP CLA * 50 1K* PAC 7+0-00 TXI 832JL0
14350 002000200001 000000074064 053500414277 -050000400012 077100000014 056000014363 -076500000030 050000400011
TRA 0+0+01 HTR 0007-U LAC 5+0JK* CAL N00-0* ARS 72000* LDQ 5 01LT LGR PV0000 CLA 500-09
14360 060100014377 -060000014400 002000200001 003600606060 007400214352 007400406301 100001014371 014441000195
STD 6101L* STQ 0001M0 TRA 0+0+01 TXH -072123256051 255064256263 -203127454651 252460464560 1M701+
14370 000000014421 002000014243 TRCA OHACKS PACE R TIX EQUET TNX IGNOR TIX ED UN TNX -706060606060
HTR 0001MA 007400214352 060100014432 -060000014433 007400405646 100001014410 014461000175 000000014422
TNX 000000 TSX 010AL- STD 6101M* STQ 0001M0 TSX 010-#0 TXI 8011M8 1M701+ HTR 0001M8
14410 002000314326 007400214352 060100014450 060000014451 007400405646 100001014420 014461000202 000000014440
TRA 0+01LF TSX 010AL- STD 6101M0 STQ 0001MR TSX 010-#0 TXI 8011M* 1M7022 HTR 0001M-
14420 00200004073 000007014372 000000000060 000007014425 000004014434 004725514421 -052545636051 252174605125
TKA 0+0-0* HTR 0071L* HTR 00000 HTR 0071ME HTR 0041M1 HTR 0041M1 NENT R TIX EAD RE
14430 246445242145 237060606060 -206060606060 -206060606060 005125346651 246004622524 -202162605125 212413606060
TIX DUNDAN TIX CY TNX TNX TIX ORECPR TIX D USED TNX AS RE TIX AD.
14440 000000000061 000007014443 000007014452 002545244046 264022642626 255160256731 -236051252124 314527606060
HTR 00000/ HTR 0071ML HTR 0071M* OEND-0 TIX F-BUFF TIX ER EXI TIX T READ TXH INJ
14450 -206060606060 -206060606060 004546604647 -233146452143 -202567316360 -006025672523 -246331464560 -232551443145
TNX TNX OND IP TNX TIONAL TNX EXIT TCNA - EXEC TNX UTION TNX TEPHM
14460 216325243360 000000056345 262262636060 100000014471 077400200000 077400456235 044100014470 002000400001
TIX ATED. HTR 0005TN TIX FBST TXI 8001M2 AXI 710+00 AXI 710NS* LDI 4J01MY TRA 0+0-01
14470 000000000010 060400014470 063400402652 063400414561 063400414465 063400214464 050060400003 062100014526
HTR 000508 STI 6401MY SXA 610-F- SXA 610JN/ SXA 610JMY SXA 610AMU SXA 610AMU CLA * 50 -03 STA 6A01NF
14500 062100014541 073700400000 044100400002 -005400200000 002000014532 044100400001 005400003000 002000014515
STA 6A01MJ PAC 7+0-00 LDI 4J0-02 LFT -+0+00 TRA 0+01M* LDI 4J0-01 LFT -+00H0 TRA 0+01M*
14510 -005400400000 007400214525 -005500001000 060400400001 002000014516 -005600004000 007400214540 007400214525
LFT -+0400 TSX 010ANE SIL -+0080 STD 640-01 TRA 0+01M* LNT -+0400 TSX 010AN- TSX 010ANE
14520 -005700003000 060400400001 076100000000 076100000000 002000014464 007400404463 00000002734 053500414526
PIL -+00H0 STI 640-01 NCP 7/0000 NOP 7/0000 TKA 0+01MU TSX 010-MT (P00G) LAC 5+0JNF
14530 044100400001 002000200001 007400406301 100001014536 014561000057 000000014537 002000014464 000016014543
LDI 4J0-01 TRA 0+0+01 TSX 010-TI TXI 8011M* 1N/00* HTR 0001M* TRA 0+01MU HTR 00+1ML

15370 300016004524 -132545745125 000000000000 -30000774044 -100000024000 -300006000000 -357777777777 -367177777777
TXM H0#0MC BE40RE HFM 000000 TXL Y00#-M STR 4002-0 TXL Y00 00 TXL ***** TXL *****
15400 -377773777777 000004000000 004000000000 003000000000 050200477777 036100015236 062100015415 036100015236
TXL ***.*** HTR 004000 TLQ 0-0000 TEFA 0H0000 CLS 520P** ACL 3/01-- STA 6A01** ACL 3/01--
15410 062100015430 06016000+556 -050000400000 -032000015247 -076300000004 060200077603 050000400000 062200004556
STA 6A01#M STD * 61 0M# CAL M00-00 ANA L+01-P LGL PT0004 SLW 6207*3 CLA 500-00 CLA 500-00
15420 -073400100000 100002115427 073400200000 076700000027 062260004556 050000015430 002000015440 05000004556
PDX P10800 TXI 8029#B PAX 710+00 ALS TX000B STD * 6R 0M# CLA 5001#M TRA 0+01-- CLA 5000#M
15430 062000077604 062160015430 060100077605 -200001215444 075400100000 036100015430 062160015430 062100015430
SIL 6007*4 STA * 6A 1#H STU 6107*5 TNX 01A#M PXA 7#0800 ACL 3/01#M STA * 6A 1#H STA 6A01#M
15440 036100015236 -032000015243 062100015432 002000015427 050000015430 062160015415 177777404667 00000002715
ACL 3/01-- ANA L+01-L STA 6A01** TRA 0+01#M CLA 5001#M STA * 6A 1#M TXI ***-DX HTR 0000G#
15450 -100000000000 -050000015466 053500104545 060200015463 075400100000 -076500000017 056400015235 007400407215
STR 000000 CAL M001#M LAC 5#08MN SLW 6201#T PXA 7#0800 LGR PY000# ENB 5U01-- TXS 010-7A
15460 060200021020 00740040706 000000000000 -000000000000 000001021020 00740040713 -000003020367 077400115705
SLW 6202#* TXS 010-7# HTR 000002 -00000 HTR 00128# TXS 010-7# -0323X AXI 7109#5
15470 060000021017 -050000477777 077100000041 004400000000 070000477777 -073400200000 300000215513 063400415500
STZ 6002#* CAL M00P** ARS 7200J PAI 0M0000 CLA 500P** PDX P10+00 TX# H00A** SKA 610J#0
15500 -077400273417 177776215515 062100016062 050000017475 062100200001 -032000200001 -010000015451 044100015625
AKC P(0G)# TXI ***A** STA 6A01 S CLA 5001#* STA 6A0+01 ANA L+0+01 TNZ J001#R LDI 4J01#E
15510 077400116005 050000400000 17777615513 073400200000 17777215515 063400215654 062200015623 063400416524
ART 7109 5 CLA 500-00 TXI ***J** PAX 710+00 TXJ ***A** SKA 610A** STD 6B01#C SKA 610JVD
15520 063400115613 005600000020 002000015554 007400415645 002000015542 053500115614 -063400115531 -073400100000
SKA 6109#* RNT 0#0020 TRA 0+01** TXS 010J#M TRA 0+01#K LAC 5#09** SKG 0109#1 PDX P10800
15530 -073400400000 177777415532 -073400400000 062260015654 053400215654 063400215537 -005500020000 -075400103150
PDX P10-00 TXI ***J** PKD P#0-00 STD * 6B 1** LXA 510A** SKA 610A** SIL -#0200 PXD P#0810
15540 007400116205 002000015523 -005400040002 002000015675 050000016062 062100200002 076700000022 062200200004
TXS 010955 TRA 0+01#C LFT -#0402 TRA 0+01** LFT -#0402 TRA 0+01** LFT -#0402 STA 5001 S STA 6A0+02 ALS TX000B STD 6B0+04
15550 -050000015537 -005400020000 062200200003 002000015603 007400415645 002000015577 -053400115623 -300000115577
CAL M001** LFT -#0200 STA 6A0+03 TRA 0+01#3 TXS 010J#M TRA 0+01** LXD M109#C TXL Y009**
15560 052000021017 007400415565 050000015654 062100021017 002000015554 050060021017 073400100000 -063400115571
ZET 5+028# TXS 010J#V CLA 5001** STA 6A02#* TRA G+01** CLA * 50 2#* PAX 710800 SKD 0109#2
15570 -073400100000 100000115572 -073400100000 062260021017 -076000000003 007400116205 002000400001 -005400060000
PDX P10800 TXI 8009#* PKD F#0800 STD * 6B 2#* SSM P 0003 TXS 010955 TRA 0+0-01 LFT -#0600
15600 -005400000002 002000015617 007400416201 053500416062 -005400020000 002000015612 005400002000 -0054000015632
LFT -#0002 TRA 0+01** TXS 010J#1 LAC 5#0J S LFT -#0200 TRA 0+01** LFT -#01+00 TRA 0+01** LFT -#01+00
15610 050200015244 007400116205 056400000735 007400415705 000300003110 -004600000000 062200200011 -053400115623
CLS 5201#M TXS 016955 ENB 5U007# TXS 010J#5 HTR 000018 PIA -00000 STD 6B0+01 LXD M109#C
15620 -200001115625 -063400115623 005600000200 -300000015554 002000015523 005500000200 -052000021017 002000004650
TNX 019#E SKD 0109#C RNT 0#0020 TXL Y001** TRA 0+C1#C RNT 0#0020 NRT 0+02#* TXA 0+0000
15630 007400415565 002060015627 -050000400001 005600000200 -076000000003 040000016035 060200400001 -032000015245
TXS 010J#V TRA 0+01#G CAL M00-01 RNT 0#0020 SSM P 0003 ADD 4001 * SLW 620-01 ANA L+01#M
15640 010000015610 032200016035 005400000200 010000015610 002000015612 050000015654 036100015236 062100015654
TZE 1001#B ERA 3801 # RFT 0#0020 TZE 1001#B TRA 0+01** CLA 5001** ACL 3/01-- STA 6A01**
15650 005600000200 -005700020000 044500015376 056400015235 -050000004360 033700200000 062100015614 062100004556
RNT 0#0020 RIL -#0200 RIS 4N01#* ENB 5U01-- CAL M00GL PAC 7#0+00 STA 6A01** STA 6A00#*
15660 -032000015252 004300000000 050060015654 005060000000 002000015666 002000400002 005400000200 062200200002
ANA L+01-- JAI 0L0000 CLA * 50 1** LNT -#0 00 TRA 0+01#W TRA 0+0-02 RFT 0#0020 STD 6B0+02
15670 050000200001 -005700700000 -032000021012 004300000000 002000400001 007400416371 00740040070# 000000000003
CLA 500+01 RIL -#0Y00 ANA L+028# OAI 0L0000 TRA 0+0-01 TXS 010J#2 TXS 010-76 HTR 000003
15700 -000002020365 -000003200011 000006020401 007400400711 002000016602 005500002000 005500000000 002000015713
-0223#V -03+09 HTR 006241 TXS 010-79 TXS 0+01 2 SIR 0+00+0 LNT -#0600 TRA 0+01** LFT -#0600
15710 050060200003 036100015236 062160200003 050000200003 002000015715 005600003000 -005600040000 002000015723
CLA * 50 +03 ACL 3/01-- STA * 6A +03 CLA 500+03 TRA 0+01** LNT -#00H0 LNT -#0400 TRA 0+01#C
15720 -005400003000 002000015746 007400417756 005600009004 007400416220 005400000004 002000015741 -050000016113
LFT -#00H0 TRA 0+01#0 TXS 010J** RNT 0#0004 TXS 010J#* RFT 0#0004 TXA 0+01#J AXI N001#*
15730 005600000002 036100015244 062200015734 007400420326 000003200000 005400000006 002000015741 -005500000002
RNT 0#0002 ACL 3/01#M STD 6B01#1 TXS 010K3F HTR 003+00 KFT 0#0006 TXA 0+01#J SIL -#0002
15740 007400416326 -005400020000 052000021017 -005700030031 -005700040000 002000015615 007400420060 005600000005
TXS 010J#F LFT -#(200 ZET 5+028# RIL -#0301 RIL -#0400 RIL -#0400 TXA 0+01** TXS 010K0 RNT 0#0005
15750 002000015753 005600000002 002000015760 007400420326 000007200000 076100000000 -005400000400 -100000000000
TRA 0+01#* RNT 0#0002 TRA 0+01# TXS 010K3F HTR 007+00 NUP 7/0000 LFT -#0040 STR 000000
15760 0535000416062 -063400215764 050000400001 073400100000 174670115765 -300000115770 073700400000 002000015762
LAC 5#0J S SKD 010A#U CLA 500-01 PAX 710800 TXI #0Y9#V TXL Y009#V PAC 7#0-00 TRA 0+01#5
15770 050000200001 062100400001 005600000005 002000015776 005600000002 002000015741 002000015723 -005600040000
CLA 500+01 STA 6A0-01 RNT 0#0005 TRA 0+01** RNT 0#0002 TRA 0+01#J TRA 0+01#C LNT -#0400
16000 007000016011 -005500040004 005400000200 002000015615 002000004645 -005600020000 177776416011 -005500010004
TRA 0+01 9 SIL -#0404 RFT 0#0020 TRA 0+00#M LNT -#0200 TXI ***J 9 SIL -#0104
16010 002000015615 -005500010004 -005400000002 002000015675 -005600020000 002000016026 00000200000 073400100000
TRA 0+01** SIL -#0104 LFT -#0002 TRA 0+01** LNT -#0200 TRA 0+01 F CLA * 50 +03 PAX 710800
16020 177777116021 310000116111 075400100000 062160200003 050000200003 002000016026 063400416037 056000020000
TXI ***# A TXM 10097# PXA 7#0800 STA * 6A +03 CLA 500+03 TRA 0+01 F SKA 610#* LQD 5 0#00
16030 -077300000022 016200016117 050000016207 062100200004 007400400704 000000200000 007400417744 077400465407
RQL P#000B TQP 1501#* CLA 500157 STA 6A0+04 TXS 010-74 HTR 000+00 TXS 010J#M AXI 7108#*
16040 050000477777 012000016045 -032000015250 -010000016102 002000016647 007400420326 000003200000 -050000015252
CLA 500P** TPL 1+01 N ANA L+01-0 TNZ J001/2 TRA 0+01 P TXS 010K3F HTR 003+00 CAL M001--
16050 032000200005 062100200003 -005400003000 002000016064 007400416201 -005400000400 -100000000000 -075400000000
ANS 3+0+05 STU 6R0+03 LFT -#00H0 TRA 0+01 U TXS 010J#1 LFT -#0040 STR 000000
16060 062100200001 007400117150 076100017607 002000016001 -005600000300 002000016071 -05000004556 062100004543
STA 6A0+01 TXS 01092# NDP 7/07#2 TRA 0+01 I LNT -#00H0 TRA 0+01 7 CAL M000#* STA 6A00#L
16070 007000016001 -005400000400 -100000000000 007400416201 053500416062 050000400001 062100200001 05000004556
TRA 0+01 I LFT -#0040 STR 000000 TXS 010J#1 LAC 5#0J S CLA 500-01 STA 6A0+01 CLA 5000#M
16100 062100400001 002000116001 -005600003000 002000016105 002000016066 002000016066 -005400003000 007400416201
STA 6A0-01 TRA 0+01 I LNT -#00H0 TRA 0+01#5 TRA 0+01 W LFT -#00H0 TRA 0+01, TXS 010J#1
16110 002000016057 007400400706 000000000002 -000003200011 00000702372 007400400711 002000016002 050000200005
TRA 0+01 * TXS 010-7# HTR 000002 007400416341 007400400712 050000016123 062500200000 TXA 0+01 2 CLA 500+05
16120 -017000016124 -050000200007 007400416341 007400400712 050000016123 062500200000 TXA 0+01 2 CLA 500+05
TMI J+01/E CAL M00+07 TXS 010J#J TXS 010-7# CLA 5001#C S TT 6F+00 HTR 000+00 HTR 0000000000
16130 0020000100001 -053400404546 -300000416130 007400420326 000003200000 002000100001 000000000000 005500000020
TRA 0+0H01 LXD M10-NU TXL Y00J#M TXS 010K3F HTR 003+00 TRA 0+0801 HTR 000000 SIR 0#000+
16140 177777416141 063400416524 050000477777 062100004547 062200004554 007400004554 -005600040004 002000016424 -005400003000
TXI ***J#J SKA 610JVD CLA 500P** STA 6A00MP STD 6B0G#0 LNT -#0404 TRA 0+01UD LFT -#00H0
16150 002000004643 007400416201 -005400000020 007400117150 -005700000020 063400016767 007400416515 007400117205
TRA 0+000L TXS 010J#1 LFT -#000# TXS 01092# RIL -#000+ SKD 0101#X TXS 010J#V TXS 0109#5
16160 007400117002 000000016646 000000016647 000000016647 000000016647 000000016647 002000004443 -005400003000
TXS 01092# HTR 0001#W HTR 0001#W TRA 0+01#G LNT -#00H0 LNT -#0400 TXA 0+00#L LFT -#00H0
16170 002000016172 002000004643 007400416201 007400416515 007400117350 007400117443 000000016647 000000016646
TRA 0+01#* TRA 0+000L TXS 010J#1 TXS 010J#V TXS 010J#V TXS 01091# HTR 0000#W HTR 0001#W
16200 002000016735 050000200004 -073400100000 063400116062 002000400001 05400000200 076000000000 056400015235
TRA 0+01#* CLA 500+04 PDX P10800 SKA 6109 5 TRA 0+0-01 RFT 0#0020 SSP 7 0003 ENB 5U01--
16210 040060016062 012000016215 062260016062 056400000735 002000100001 -050000016217 002000015452 -000004020407
ADD * 40 1 5 TPL 1+015# STD * 6A 1 5 ENB 5U007# TRA 0+0H01 C#L N0015# TRA 0+01-- -03247
16220 063400416260 -050000200005 076700000004 050000016255 007400416371 056000200007 -060000020422 050000200003
SFA 610J5 CAL M00+05 ALS 7X0004 TZE 10015# TXS 010J#7 LQD 5 0+07 STQ 00024R CLA 500+03

16230 007400400715 -060000020424 050000200005 007400400716 -060000020433 056000015254 -005400003000 002000016242
TSX 010-7* STQ 000240 CLA 500+05 TSX 010-7* STQ 000240 CLA 500+05 TSX 010-7* STQ 000240 CLA 500+05 TSX 010-7* STQ 000240 CLA 500+05
16240 000000200005 007400400715 -060000020436 050000020440 -005400003000 050000020441 060100020434 067400400706
CLA 500+05 TSX 010-7* STQ 000240 CLA 500+05 TSX 010-7* STQ 000240 CLA 500+05 TSX 010-7* STQ 000240 CLA 500+05
16250 000000000004 -000007020365 -000003200011 00000600421 004011020427 -050000015252 032000200005 062200200003
HTP 000004 002000400001 056400015235 063400416302 -005600020000 002000016272 050060200003 -073400100000
077400462054 002000400001 056400015235 063400416302 -005600020000 002000016272 050060200003 -073400100000
AXT 7100+* TRA 0+0-01 ENB 5001+* SXA 610JT2 LNT -+0200 TRA 0+015+ CLA + 50 +03 PDX P10800
16270 177777116271 -310000116277 -050060116062 -073400400000 -300000416304 040200015244 062260016062 -075400100000
TXL ***95Z TXL 20095+ CAL + 40 1 S PDX P10-00 TXL Y00JT4 SUB 4201-M STD + 68 1 S PKD P=0800
16300 -005400020000 062260200003 077400400610 002000400002 053400416302 002000400001 053500416062 -005600020000
LFT -+0200 STD + 6R +03 AXT 710068 TFA 0+0-02 LXA 510JT2 TRA 0+0-01 LAC 5+0J S LNT -+0200
16310 002000016320 063400116317 050060200003 -073400100000 036100015244 062260200003 -310000116324 077400160455
TKA 0+01+ SXA 6109T* CLA + 50 +03 PDX P10800 ACL 3/01-M STD + 68 +03 TXL 2009TD AXT 710+4*
16320 -050000040000 040000015244 062200400000 002000100001 053400116317 002000100001 063400416337 007400416371
CAL N000-00 ADD 4001-M STD 6R0-00 TRA 0+0801 SXA 5109T* 002000100001 063400416337 007400416371
16330 -050000020000 06020002447 007400400706 000000000003 -000002020365 -000003200011 004003020445 077400462040
CAL N00+07 SLW 6202+P TSX 010-76 HTR 000003 -0223V -03+09 TLQ 0-324M AXT 7100-
16340 002000400001 063400416364 002000020447 007400416371 050000016366 -005400003000 002000016350 002000016353
TRA 0+0-01 SXA 610JTU CLA 5001TM SLW 62024P TSX 010JT2 CLA 5001TM LFT -+00H0 TRA 0+01TQ TRA 0+01TQ
16350 050000016367 -005400000400 -100000000000 060100016360 007400400706 200000000004 -000002020365 -000003200011
CLA 5001TX LFT -+0040 STW 400000 STU 6101T TSX 010-76 TIX +00004 -0223V -03+09
16360 -000000000000 000002070446 050000016354 062500200000 077400400000 056400015235 007400400714 060200020366 077400461451
000000000000 HTR 002240 CLA 5001T* ST1 6E0+00 AXT 710-00 TRA 0+0-01 007400400714 060200020366 077400461451
16370 000000000004 063400416377 077400400000 056400020000 056400015235 007400400714 060200020366 077400461451
HTR 000004 SXA 610JT* AXI 710-00 LDQ + 5 +00 ENB 5001+* TSX 010-7* TSX 010-7*
16400 002000400001 05100017372 063400116422 -073400100000 075400000000 002000016407 036100177606 20000116406
TRA 0+0-01 CLA + 50 1,+ SXA 6109UR PDX P10800 PKA 7+0000 TRA 0+01U7 ACL 3/0+66 TIX +019U6
16410 -013000000000 060000021020 -062000021020 -013000000000 076700000022 036100021020 076000000001 002000016421
XCL JH0000 STZ 60028* SLQ 0+028* XCL JH0000 ALS 7X0008 ACL 3/028+ LBT 7 0001 TRA 0+01UA
16420 036100015244 -013000000000 077400100000 002100100001 050000400000 -032000015250 -005700100000 004300000000
ACL 3/01-M XCL JH0000 AXT 710800 TTR 0A0801 ANA 500-09 ANA L+01-0 RIL -+0800 OAI 0L0000
16430 177777416431 063400416524 002000016440 -005400000400 -100000000000 -005400000400 -005700000004 -005500010000
TXI ***JUI SXA 610JTU TRA 0+01U7 TRA 0+01U7 LFT -+0040 SFR 000600 LFT -+0004 RIL -+0004
16440 007400116474 053500404547 063400421016 -300000400713 005400000200 007400417576 056000004545 -077300000022
TSX 0109U1 LAC 5+0-4P SXA 610K8* TXL Y00-7* KFT 0+0020 TSX 010J+* LDQ 5 00NM RQL P.0008
16450 002000004645 -050000015250 002000016456 050000017064 062200200003 -050000016407 050600000001 036100015251
TKA 0+000N CAL N001-Q TRA 0+01U+ CLA 5001Y+ STD 6R0+03 CAL N001U7 RNT 0+0001 ACL 3/01-R
16460 002000016462 -050000016461 077100000022 062500004545 050060200002 062100004551 007400116474 053500404550
TRA 0+01U5 CAL N001U+ ANS 720008 STT 6E00NN CLA + 50 +02 STA 6A00NR TSX 0109U1 LDC N=0-N0
16470 002000016442 007400116474 -053500404546 002000016442 053400416524 -063400404551 052000021016 002000016512
TKA 0+01UK TSX 0109U1 LDC N=0-N0 TRA 0+01UK LXA 510JVO SXD 010-NR ZET 5+028* TRA 0+01V8
16500 -065400100000 002000016513 002000016504 177777416504 -050000477777 050000000042 -076500000042 010000016510 062200016503
LFT -+0800 TRA 0+01V+ TRA 0+01V+ TXI ***JV4 CAL N00P** LGR PV000K TZF 1001V8 TQP 1501V3
16510 063400416524 002000016513 053400421016 -063400404545 002000100001 050060200002 060000024552 012000016523
SXA 610JVD TRA 0+01V+ LXA 510K8* SXD 010-5N TRA 0+0801 CLA + 50 +02 STZ 6000N+ TPL 1+01VC
16520 -037000015253 010000016523 052200400001 005500020000 077400173417 063400116617 177777116527 063400116524
ANA L+01-S TZE 1001VC KEC 5R0-01 SIR 0+00+0 AXT 710+1* SXA 6109W* TXI ***9VG SXA 6109VD
16530 -050000177777 062100004552 073700170000 062200004552 0454000015373 014540015373 -032000015375 004300000000 -063400016710
CAL N00** STA 6A00N+ PAC 7+0800 STD 6R00NS RAS 4N015, ANA L+015* ANA L+015* OAI 0L0000
16540 -005400600000 002000016545 -005400100000 002000016754 044000015374 005600400000 002000016552 063400116617
LFT -+0 000 TRA 0+01VN LFT -+0800 TRA 0+01X+ 115 4-0151 RNT 0+0-00 TRA 0+01V+ SXA 6109W*
16550 000060004552 062100004552 -052000004553 -056400400000 002000016556 002000016651 050600020002 012000016562
CLA + 50 0N- STA 6A00N- NZT N+00N5 LNT -+0-00 TRA 0+01V+ TRA 0+01WR CLA + 50 +02 TPL 1+01V5
16560 052200040000 050060200002 073400100000 -032000015247 -010000016574 -010000016574 -073400100000 005400010452
XEC 5R0-02 CLA + 50 +02 PAX 710800 ANA L+01-P TNZ J001VW PDX P10800 RFT 0+0+00 SXA 6108N+
16570 -005400600000 052200400005 -010000016577 005500010000 052200400001 005700010000 002000016560 040200004553
LFT -+0+00 XEC 5R0-05 TNZ J001V+ SIR 0+0100 XEC 5R0-01 RIR 0+0100 TRA 0+01V SUR 4200NS
16600 010000016610 012000016611 062200016710 -005600200000 050500010000 040000004553 062200004553 075400000000
TFL 1001W8 STZ 69018* LNT -+0+00 SIR 0+0100 ADD 4000N5 STD 6R00N5 PKA 7+0000
16610 005400004000 005600200004 062260200002 062200004551 005600700000 002000016622 050000004552 077400171172
SIR 0+0+0 KNT 0+0+04 STD + 6R +02 STU 6R00NR RNT 0+0+00 TRA 0+01WB CLA 5000N+ AXT 710+9*
16620 002100100100 005500000010 -053400104553 075400100000 036160200002 005600200004 062160200002 062160400003
STA 6A0+00 SIR 0+000N LXD N108N5 PAX 7+0800 ACL + 3/ +02 RNT 0+0+04 STA + 6A +02 STA + 6A -03
16630 075400130000 036100004552 062160400004 062100004551 -300000116651 053400104552 -300000116640 052200016642
PAX 7+0800 ACL 3/00N+ STA + 6A -04 STA 6A00NR LXA 5108N+ LXA 5108N+ TXL Y009WR XEC 5801WK
16640 053400116647 -300000116643 -302663116717 054002000000 002000016651 -053400104553 -050000177764 060200177764
LXA 5109WP SXL Y009WR TXL YFT9X* RFT 0+0+00 TRA 0+01W8 CLA N108N5 CAL N00+* SLW 620+0U
16650 200001116646 -052000004546 005700004000 005600004000 0020000157 005400000010 005500000400 005400030000
TIX 0+01W8 STZ 6900N5 RIR 0+00-0 KNT 0+00-0 TRA 0+01W8 RFT 0+0000 SIR 0+0040 KFT 0+0300
16660 002000016672 -005600100000 002000016524 005400000200 007400417576 005400000020 007400416764 054000000100
TKA 0+01W LNT -+0800 TFA 0+01VD RFT 0+0020 TSX 010J+* RFT 0+000+ TSX 010JUK KFT 0+0010
16670 002000016671 002000004645 052200400001 056400010000 002000016661 005700010000 005400000000 002000016706
TRA 0+01U7 TRA 0+000N XEC 5R0-01 KNT 0+0100 TRA 0+01W8 KIR 0+0100 LFT -+0+00 TRA 0+01X6
16700 005600200100 002000016704 052000004546 002000016711 050060400004 062100004552 050000016710 062200004553
KNT 0+0+00 TRA 0+01X4 ZET 5+000N TFX 0+01X9 CLA + 50 -04 STA 6A00N+ SIA 5001XR STD 6R00N5
16710 -300000116552 -050000016035 002000016714 -050000016672 062500004545 005500000100 002000016663 053500116524
TXL Y001V+ CAL N001+ TKA L+01X* CAL N001N+ STT 6F00NN SIR 0+0010 TRA 0+01WT LAC 5+09VD
16720 -050000020416 003400000000 -050000020417 060200020415 -050300016726 177777115453 -000004020412 -005400400000
CAL N0024* KFT 0+000+ CAL N0024* SLW 62024* STA 6A00N+ STA 6A00N+ TXI ***95S -0424* LFT -+0-00
16730 002000016577 053400116524 062200177777 -055000020000 002000016606 005500000004 -005600400000 005100024004
TRA 0+01V+ LXA 5109VD STD 6R0+** SIR 0+0200 TRA 0+01W6 SIR 0+0004 LNT -+0-00 TRJ 0R02-4
16740 040200004553 012000016611 -005600400000 002000016605 -053400116710 -053400104553 005500010000 050000004553
SUP 4200N5 STZ 1+01W8 LNT -+0-03 TFX 0+01W5 TFX H099W5 SIR 0+0100 CLA 5000N5
16750 062200016710 -005400000000 005500004000 002000016651 050000016524 -052000021016 062100021016 050600400000
STD 5R01Y8 KFT 0+0000 SIR 0+00-00 TRA 0+01WR CLA 5001VD NZT N+028* STA 6A028* RNT 0+0-00
16760 002000016525 -050000100000 071700100100 002000016525 050000000001 0032000015241 073400100000 000001116771
TRA 7+01V+ CAL N00+00 CAL 7+01+ TFA 0+01V+ CLA 500+01 ANA L+01-J PAX 710800 TRH H019X7
16770 002000016772 -005700000031 005400011500 002000017777 -005600000001 002000000001 005700000000 00740017150
TKA 0+01X+ RIL -+0001 KFT 0+0000 TRA 0+01X+ LNT -+0001 TRJ 0+01X+ 056400015235 -052060200004 002000011726
17000 -005400000020 002000000001 063400417106 063400117107 005500000003 056400015235 -052060200004 002000011726
SXL 0+024* TFA 0+0-01 SXL 610J26 SXA 610J27 SIR 0+0103 ENR 5001+* NZT + 4+ +04 TRA 0+01ZF
17010 050000200004 062100000002 050060200001 036100015241 021002000001 050060200004 062100020004 052060200004
CLA 500+04 STA 500+02 CAL 0+0+01 ACL 3/21+ STA 6A0+01 CLA + 50 +04 STA 6A0+04 ZET + 5+ +04
17020 062260200004 05640001735 076500000001 061000000000 -053400116767 -053400116767 100001117076 -063400116767 -050000200007
STD + 6R +04 ENR 5000T* LXA 5109XK TFA 0+01X9 TFI H019YF SXL 0109XX SXL 0109XX CAL N00+02
17030 046100115236 033700400000 036100015236 -053400116767 -053400116767 040200400000 076700000022 062260200002
ACL 3/01+ PAC 7+01W8 CAL 3/01+ SXL 3/01+ SXL 3/01+ SXL 3/01+ SXL 3/01+ SXL 3/01+ SXL 3/01+ SXL 3/01+
17040 005600000002 002000017156 053400116767 053400116767 053400116767 053400116767 053400116767 053400116767 053400116767
KNT 0+0000 TFA 0+01X+ CLA 500+01 ANA L+01J3 PAX 710-00 062200017684 050060200002 040200015244 062260200002
17050 005600000002 002000017156 053400116767 053400116767 053400116767 053400116767 053400116767 053400116767 053400116767
KNT 3+0000 ANS 4+01+ LFT -+0020 TRA 0+01J3 STD 5+01YU CAL + N0 +02 SUR 4201-M STD + 6R +02

17060 -050000400000 040200015236 062100017063 053500100000 100000117065 300000116451 -005600000100 002000017192
CAL NU0-00 SUB 4201-- STA 6A01YT LAC 5+0800 TXI 8009YV TXH M009UR LNT --0010 TRA 0+122
17070 062100017076 062100016406 050060200002 036100015244 007400116402 -062000021020 -050000000000 -032000021011
STA 6A01Y+ STA 6A01U6 CLA + 50 +02 ACL 3/11-M TSX 0109U2 SLO 0+028+ CAL M00000 ANA L+028+
17100 032200021020 -010000016453 050000017064 005600000001 002000016461 062200200003 077400461622 077400161220
ERA 38028+ TNZ J001U8 CLA 5001YU RNT 0+0101 TRA 0+01U/ STD 680+03 AXI 7100+8 AXI 7100+8
17110 002100100001 007400117190 005500001000 -050000200003 002000017050 005400000003 002000017122 052300004546
TTR 0A0801 TSX 0109Z0 SIR 0+0080 CAL M00+03 TRA 0+01Y0 RFT 0+0003 TRA 0+01Z8 ZET 5+00M0
1712J 002000016713 002000017507 005700000003 007400417437 007400117150 002000017115 050000200003 -012000016433
TRA 0+01X+ TRA 0+01+7 RIR 0+0003 TSX 010J1+ TSX 0109Z0 TRA 0+01Z+ CLA 500+03 TMI J+01U+
17130 -005500000011 -077400400001 -052060200000 002000017124 007400400703 -000000200000 002000017004 060000016136
SIL --0005 AXI P10-01 NZI + M+ +00 TRA 0+01Z0 TSX 010-J3 -00+00 TRA 0+01Y4 SIZ 6001+0
17140 007400117204 056000200002 -077300000002 016200016433 007400404570 002000016433 007400120515 002000017304
TSX 0109+4 LQJ 5 0+02 RFL P+0002 TOP 1501+0 TSX 010-NY TRA 0+01U+ TSX 010+5+ TRA 0+01Y4
17150 063400117202 063400417157 053500416062 056400015235 050060400000 012000017162 053400117202 077400461627
SXA 6109+2 SXA 610J2+ LAC 5+0J 5 ENB 5U01-- CLA + 50 -00 TPL 1+01Z5 LXA 5109+2 AXI 7100+G
17160 056400000735 002000100001 -005600010000 177777117157 062100004550 050000200001 073400400000 -300000417172
ENR 5U0G7+ TRA 0+0801 LNT --0100 TXI --092+ STA 6A00N0 CLA 500+01 PAX 710-00 TXL Y00JZ+
17170 007400416263 002000017156 056060016062 05000004550 062160016062 -050000200001 040000015736 062100200001
154 010JST TRA 0+01Z+ LQJ + 5 1 5 CLA 5000N0 STA + 6A 1 5 CAL M00+01 ADD 4001-- STA 6A0+01
17200 056400000735 007400117614 077400161625 177777117157 055500040000 005500000020 063400117230 063400417231
ENB 5U007+ TSX 0109+1 AXI 7100+4 TXI --092+ SIR 0+0400 SIR 0+000+ SXA 6109+H SXA 610J2+I
17210 050060200002 012000017240 062100017304 -032000015253 010000017230 005600000020 002000017352 053500416062
CLA + 50 +02 TPL 1+01-- STA 6A01+4 ANA L+01-5 TZE 1001+H RNT 0+000+ TRA 0+01+ LAC 5+0J 5
17220 056000200002 007400117274 005600040000 007400117330 050000017304 062100200002 005600000040 002000017210
LQJ 5 0+02 TSX 0109+1 MNT 0+0400 TSX 0109+H CLA 5001+4 STA 6A0+02 RNT 0+000- TRA 0+01+8
17230 077400157717 077400462032 005600010000 005700020000 005700044400 005700020000 005700000010 002000100001
AXI 7100+4 AXI 7100+4 RNT 0+0100 RIR 0+0400 RIR 0+0400 RFT 0+0000 007400417552 005500040000
17240 005600002000 002000017240 005600000020 002000017357 005600000400 002000 51 007400417552 005500040000
RNT 0+00+0 TRA 0+01+H RNT 0+000+ RNT 0+0040 TRA 0+01+R TSX 010J+ SIR 0+0400
17250 002000017254 056000200002 053500416062 007400117274 050000016062 062100200002 005600040000 007400117330
TRA 0+01+ LQJ 5 0+02 LAC 5+0J 5 TSX 0109+1 CLA 5001 5 STA 6A0+02 RNT 0+0400 TSX 0109+H
17260 002000017230 -100000000000 056400000735 005600020000 002000017224 002000017254 044100200001 005700077777
TRA 0+01+H STR 000000 ENB 5U007+ RNT 0+0000 TRA 0+01+D TRA 0+01+ RIR 0+07+0
17270 056400015235 -050000200001 036100015241 062100200001 056400015235 -050000200001 040200015242 062100200001
ENB 5U01-- CAL M00+01 ACL 3/01-J STA 6A0+01 E+H 5U01-- CAL M00+01 SUB 4201-K STA 6A0+01
17300 005600000020 002000017304 052000016136 002070017325 010000077502 005600000100 002000017312 052000004546
RNT 0+000+ TRA 0+01+4 ZET 5+01+0 TRA 0+01+ KCA 1107+2 RNT 0+0010 TRA 0+01+ ZET 5+00M0
17310 002000017325 002000017315 056000200003 016200017315 -012000017261 063400117324 005600000040 007400120304
TRA 0+01+ LQJ 5 0+03 TOP 1501+ M1 J+01+7 SXA 6109+0 RNT 0+000- TSX 010+34
17320 050000200001 073400100000 -300000117324 007400116307 077400157745 -052000000742 056400000735 002000100001
CLA 500+01 PAX 710800 TXL Y009+0 TSX 010977 AXI 7100+H NZI M+007K ENB 5U007+ TRA 0+0801
17330 050000200003 -012000100001 -050000200001 -032000015241 010000017343 -005400000020 002000017343 -005500000020
CLA 500+03 TMI J+0801 CAL M00+01 ANA L+01-J TZE 1001+L LFT --000+ TRA 0+01+L SIZ --000+
17340 -005600000010 002000100001 -005700000030 063400117346 007400117150 005500001000 077400160521 002000017340
LNT --0000E TRA 0+0801 RIL --000H SXA 6109+0 TSX 0109Z0 SIR 0+0080 AXI 710+5A TRA 0+01+
17350 005700000020 002000017206 050060200002 007400117605 050000017304 062100200002 002000017210 005600000400
RIR 0+000+ TRA 0+01+6 CLA + 50 +02 TSX 0109+5 CLA 5001+4 STA 6A0+02 TRA 0+01+H RNT 0+0040
17360 002000017433 007400417552 002000017434 063400417430 063400117431 -050000200002 036100015236 062100017372
TRA 0+01+ TSX 010J+ TRA 0+01+ SXA 610J1H SXA 610911 CAL M00+02 ACL 3/01-- STA 6A01+
17370 050060200002 -012000017373 062100077605 050060017372 062100017427 062100016406 040200017372 -005600000200
CLA + 50 +02 TMI J+01+ STA 6A07+5 CLA + 50 1+ STA 6A011G STA 6A01U6 SUB 4201+ LNT --0020
17400 040200015236 076700000022 062260017372 062260017372 -032000015247 -054090000200 040200015244 050000017424
SUB 4201-- ALS 7X0008 STD + 68 1+ ANA L+01-P LFT --0020 SUB 4201-H TNZ J0011D
17410 053500416062 -050000400001 077100000004 062260017372 056400015235 007400120303 050000200003 012000017421
LAC 5+0J S CAL NU0-01 ARS 720004 STD + 68 1+ ENB 5U01-- TSX 010+33 CLA 500+03 TPL 7101+1
17420 007400116307 056400000735 053400117431 002000100001 -005600000100 002000017430 007400116401 -062000077606
TSX 010977 ENB 5U007+ LXA 510911 TRA 0+0801 LNT --0010 TRA 0+011H TSX 0109U1 SLO 0+07+6
17430 077400460166 077400160345 002000400001 007400117610 050000016062 062100200002 002000017230 063400417546
AXI 71001+ AXI 710+3H TRA 0+0-01 TSX 0109+8 CLA 5001 5 STA 6A0+02 TRA 0+01+H SXA 610J+0
17440 005500100000 007400117452 002000400001 063400417546 050000200003 012000017452 063400117547 007400416262
SIR 0+0800 TSX 01091- TRA 0+0-01 SXA 610J+0 CLA 500+03 TPL 1+01- SXA 6109+P TSX 010J55
17450 002000017117 002000017453 063400117547 053500416062 050000400001 056060400000 016200017513 -032000015243
TRA 0+01Z+ TRA 0+011+ SXA 6109+P LAC 5+0J 5 CLA 500-01 LQJ + 5 -00 TOP 1501+ ANA L+01-L
17460 -010000017465 053500416062 056060400000 016200017513 002000017117 062100017470 053500117470 050000100000
TNZ J0011V LAC 5+0J 5 LQJ + 5 -00 TOP 1501+ TRA 0+01Z+ STA 6A011Y LAC 5+091Y CLA 500800
17470 073700477602 050000400001 010000017502 012000017501 007400400703 -000000100000 053500416062 050060400000
PAC 7+0P+2 CLA 500-01 TZE 1001+2 TPL 1+01+5 TSX 010-J3 -00900 LAC 5+0J 5 CLA + 50 -00
17500 012000017513 002000017477 050000100001 -032000015401 010000020454 050000100001 002000017457 007400400706
TPL 1+01+ TRA 0+011+ CLA 500801 ANA L+01+1 TZE 1002+4 CLA 500801 TRA 0+01+ TSX 010-76
17510 000000000001 000003020442 007400400713 005400100000 002000017546 056400015235 005600000020 002000017527
HTR 000001 HTR 00324K TSX 010-7+ RFT 0+0800 TRA 0+01+0 ENB 5U01-- RNT 0+0020 TRA 0+01+G
17520 050000200003 -012000017525 007400416263 002000017117 053500416062 -050000015253 063060021015 050060400000
CLA 500+03 TMI J+01+E TSX 010JST TRA 0+01+ LAC 5+0J 5 CAL M001-5 STP + 6H 28+ CLA + 50 -00
17530 062100017470 050000400000 062100200002 036100015236 062100017542 036100015236 062160200002 -050000017470
STA 6A011Y CLA 500-00 STA 6A0+02 ACL 3/01-- STA 6A01+K ACL 3/01-- STA + 6A +02 CAL NU011Y
17540 062100400000 056400000735 050000077605 -005400000200 040200015244 062260200002 077400461605 077400161220
STA 6A0-00 ENB 5U007+ CLA 5007+5 LFT --0020 SUB 4201-M STD + 68 +02 AXI 7100+5 AXI 7100+8
17550 005700100000 002000100001 050000200002 -005400003000 002000017564 012000017564 005400000200 002000017571
RIR 0+0800 TRA 0+0801 CLA 500+02 LFT --00H0 TRA 0+01+U TPL 1+01+U RFT 0+0020 TRA 0+01+7
17560 073400100000 005500000200 -063400121015 002000017572 073700100000 050060206902 062100100001 050000200002
PAX 710800 SIR 0+0020 SKD 0108+ TRA 0+01+ PAC 7+0800 CLA + 50 +02 STA 6A0801 CLA 500+02
17570 002000017556 062160021015 062100021015 -050000015374 063060021015 002000400001 050000200002 062160021015
TRA 0+01+ STA + 6A 28+ STA 6A028+ CAL M001+1 STP + 6H 28+ TRA 0+0-03 CLA 500+02 STA + 6A 28+
17600 -053400121015 075400100000 062100200002 005700000200 002000400001 -034000015407 002000017704 002076077604
LXD M108+ PAX 7+0800 STA 6A3+02 RIR 0+0020 TRA 0+0-01 LAS L-01U7 TRA 0+01+ MPY + 20+7+4
17610 050000200003 -012000017713 007400417363 056000200002 013100000000 062100017607 056000015246 -076300000022
CLA 500+03 TMI J+01+ TSX 010J1+ LQJ 5 0+02 KCA 110000 STA 6A01+7 062100017636 062100017636 077400400000
17620 060260017607 -077400400001 056400015235 050060200000 010000017646 062100017636 -05000004556 077400400000
SLW + 62 1+7 AXI P10-01 ENB 5U01-- CLA + 50 +00 TZE 1001+U TPL 1001+U STA 6A01+ TSX 0109+H CAL NU00+H AXI 7100-00
17630 032260200000 -032000015243 010000017636 007400400703 -000000200000 002000017621 050000076474 -073700400000
ERA + 3B +00 ANA L+01-L TZE 1001+ TSX 010-73 -00+00 TRA 0+01+H CLA 5007+U PCC P+0-00
17640 050000017607 062100400000 076700000022 062260017636 056400000735 002000100001 -005600010004 002000017733
CLA 5001+7 STA 6A0-00 ALS 7X0008 STD + 6R 1+ ENB 5U007+ TRA 0+0801 LNT --0104 TRA 0+01+
17650 077400400000 050060200000 -076500000022 016200017663 -076300000022 062100017470 063400117662 007400420767
AXI 710-00 CLA + 50 +00 LGR PV0008 TOP 1501+ LGL PT000H STA 6A011Y SXA 6109+5 TSX 010K7K
17660 007400120460 007400420767 077400100000 060400017703 007400400000 -050000004556 062160200000 044160200000
TSX 010+4 TSX 010K7K AXI 710800 STI 6401+3 AXI 710-00 AL NU00N+ STA + 6A +00 LDI + 4J +00
17670 -005400020000 002000017703 -005000017607 077400400001 044100017703 -005400003000 -050100015251 060260200000
L+T --0200 TRA 0+01+3 CAL M001+7 AXI P10-01 LDI 4J01+3 LFT --00H0 ORA M101-H SLW + 62 +00
17700 007400400703 000000200000 002000100001 071044000000 050000200003 -012000017713 063400117711 056400015235
TSX 010-73 HTR 00C+00 TRA 0+0801 78M000 CLA 500+0 TMI J+01+ SXA 6109+7 ENB 5U01--
17710 007400116306 077400100000 002000017612 007400417363 063400117711 050000200002 073700100000 053500416062
TSX 010916 AXI 710800 TRA 0+01+ TSX 010J1T SXA 610+4 CLA 500+02 PAC 7+0800 LAC 5+0J 5

17720 -0 0000000001 077100000004 062200100001 050000200002 -100000000000 -050000200003 036100015244 062200200003
CAL N00-01 ARS 720004 STD 680801 CLA 500+02 STR 000000 CAL N00+03 ACL 3/01-M STD 680+03
057400117711 002000100001 -100000000000 -005400003000 002000017740 056000017607 053500416062 007000017770
LXA 5109+9 TRA 0+0801 STR 000000 LFT -+00MC TRA 0+01+- LQO 5 01+7 LAC 5+0J 5 TRA 0+01+Y
17740 063400117742 007400120460 077400100000 002000017621 050000200001 -032000017475 076700000000 036100015244
SXA 6109+K TSA 010+4 AXI 710800 TRA 0+01+A CLA >00+01 ANA L+01+ ALS 7X00+3 ACL 3/01-M
17750 062200017753 063400417754 007400420326 000002200000 077400461742 002000400001 063400420256 007400117204
STD 6801+5 SKA 610J+00 TSA 010K3F HTR 002+00 AXI 7100+K TRA 0+0-01 SKA 610K0+ TSA 0109+4
17760 056400015235 -077400400001 050060200000 010000020011 062100017766 050000017760 -052060000000 002000020004
ENB 5001+- AKC P10-01 CLA + 50 +00 TZE 100209 STA 6A01+M CLA 5001+ NZT + N+ 000 TRA 0+0204
17770 056060017766 062160017766 013100000000 -052060200004 002000020035 056000200004 062100200004 -073700100000
LDQ + 5 1+6 STA + 6A 1+M XCA 110000 NZT + N+ +04 TRA 0+020+ LDQ 5 0+04 STA 6A0+04 PDC P+0800
20000 013100000000 062100100000 050060.30000 062260200004 007400400703 -000000200000 -077400400001 052060200000
XCA 110000 STA 6A0800 CLA + 50 800 STD + 6H +04 STA 010-73 -00+00 AKC P10-01 ZET + 5+ +00
20010 002000020007 -063400016767 060000021020 050060200004 010000020040 012090020021 -053400116767 100001120020
TRA 0+0207 SKD 0101XX SZF 60028+ CLA + 50 +04 TZE 10020- IPL 1+020A 013100000000 073700100000 013100000000
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SXD 0109XX LDQ 5 0+04 STA 6A0+04 ANA L+01+- TZE 10020+ KCA 110000 PAC 7+0800 XCA 110000
20030 050000100002 060100021020 053500416062 007400117270 002000020013 062100200004 062260200004 002000020004
CLA 500802 TTD 61028+ LAC 5+0J 5 TSA 0109+Y TRA 0+020+ STA 6A0+04 STU + 6B +04 TRA 0+0204
20040 -053400116767 300000120056 007400420326 000005200000 -052000021020 177777120041 050000200005 -012000020054
LXD 4109XX TXL Y008+0 TSA 010K3F HTR 005+00 NZT N+028+ T7J +00+0J CLA 500+05 TMI J+020+
20050 050000021020 -077400400002 060160200000 060000021020 -055000100000 002000020045 077400462056 002000400001
CLA 50028+ AKC P10-02 STQ + 61 +00 SZF 60028+ SIL -+0100 TRA 0+020M AXI 7100+0 TRA 0+0-01
20060 06340042007C 007400117350 -077400400001 -052060200000 002000020070 007400400703 -000000200000 002000020062
SXA 610K0Y TSA 0109+0 AKC P10-01 NZT + N+ +00 TRA 0+020Y TSA 010-73 -00+00 TRA 0+0205
20070 077400462032 -052060200004 002000400001 007400120460 002000020065 000000000000 063400420275 063400120276
AXI 7100+0 NZT + N+ +04 TRA 0+0-01 TSA 010+4 TRA 0+020Y HTR 000000 SKA 610K2+ SKA 610+2+
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PAC 7+0-00 XCA 110000 CLA 500-00 PAC 7+0+00 TQP 15022A CLA 50020+ TNZ J00231 LFT -+0-00
20110 002000020116 -050000020275 040200015236 062100020275 050000400001 012000020275 050000200001 -012000020644
TRA 0+021+ CAL N0022+ SUB 4201+- STA 6A022+ CLA 500-01 TPL 1+022+ CLA 500+01 TMI J+026+
20120 050060000725 010000020124 036100200005 060200200005 007400120312 -053500100736 016200020154 050000200004
CLA + 50 07E TZE 100210 ACL 3/0+05 SLW 620+05 TSA 010+3+ LDC N+087+ TOP 15021+ CLA 500+04
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PDC P+0-00 CAL N00-01 ARS 720004 STD 680+00 TSA 010+33 LNT -+0+00 TRA 0+022+ AKC P10-01
20140 050060200000 010000020143 062100200004 -050000015400 060000200000 -063400220147 053400104556 174720120150
CLA + 50 +00 TZE 10021L STA 6A0+04 CAL N001+500 SZT + 60 +00 SKD 010B1P LXA 5108M+ TXI +0+10
20150 300000120152 0320000000740 032000200001 002000020275 -050000000736 062100177777 -004600000000 063000177776
TXM H0081- ANS 3+007- ANS 3+0+01 TRA 0+022+ CAL N0007+ STA 6A0+00 PJA -00000 STP 6M0+00
20160 050060200004 010000020213 -073700100000 013100000000 062100100000 056000015246 -076300000022 062160100000
CLA + 50 +04 TZE 10022+ PDC P+0800 XCA 110000 STA 6A0800 LDQ 5 01-0 LGL P1000B STA + 6A 90
20170 062260200004 -005600200000 002000020275 063400420206 053400120075 320000120417 056000000737 -06006000036
STD + 6B +04 LNT -+0+00 TRA 0+022+ SKA 610K2+ XCA 510+0+ TXM +00+4+ LDQ 5 007+ STQ + 00 07+
20200 -052000400001 002000020210 007400120312 050000200004 -0737004+0000 007400117266 077400477446 002000020200
NZT N+0-01 TRA 0+0228 TSA 010+3+ CLA 500+04 PDC P+0-00 TSA 0109+M AXI 710910 TRA 0+0220
20210 -077400400001 -050000015377 002000020144 013100000000 062100200004 056000015246 -076300000022 062160200004
AKC P10-01 CAL N001+ TRA 0+021M XCA 110000 STA 6A0+04 LDQ 5 01-0 LGL P1000B STA + 6A +04
20220 002000020170 044100200001 050000020075 076000000001 -010000020304 -010000020542 -005400+00000 002000020674
TRA 0+021Y LDI 4J0+01 CLA 50020+ LBT 7 0001 TNZ J00234 TNZ J0025K LFT -+0-00 TRA 0+0261
20230 050000400001 036100015236 062160000727 062100020254 012000020251 052060000725 002000020251 062100020247
CLA 500-01 ACL 3/01+- STA + 6A 07G STA 6A022+ TPL 1+022R ZET + 5+ 07E TRA 0+022R STA 6A022P
20240 013100000000 050000200003 036100015244 062200200000 -056000000200 002000020250 077100000022 062160074465
XCA 110000 CLA 500+03 ACL 3/01-M STD 680+03 LNT -+0020 TRA 0+0220 ARS 72000B STA + 6A 7M
20250 013100000000 036100015236 052000020075 002000020336 062100074465 050000200001 -032000015402 -010000020261
XCA 110000 ACL 3/01+- ZET 5+020+ TRA 0+023+ STA 6A07M CLA 500+01 ANA L+01+2 TNZ J0022/
20260 060600000135 077100000007 -050100400000 077100000022 062100020273 050000020300 056000400001 016200020271
SZF 68001+ ARS 720007 ORA N10-00 ARS 72000B STA 6A022, CLA 500730 LDQ 5 0-01 TQP 150222
20270 076700000017 062200020273 052060000134 076600001232 052260000727 077400476631 077400100001 002000400001
ALS 7X000+ STD 6A022, ZET + 5+ 011 WRS 7M00+0 XEC + 5B 07G AXI 710PHI AXI 710801 TRA 0+0-01
20300 076200766000 076000000001 002000020422 013100000000 056000400000 062100400000 013100000000 060060400000
RDS 750+0 LBT 7 0001 TRA 0+0248 XCA 110000 LDQ 5 0-00 STA 6A0-00 XCA 110000 STZ + 60 -00
20310 062160400000 002000100001 050000400001 050060400001 062100400001 062100400001 -052060400001 002000020321 062260400001
STA + 6A -00 TRA 0+0801 LDQ 5 0-01 CLA 6A0-01 NLT + N+ -01 NZT + N+ -01 TRA 0+0234 STD + 6B -01
20320 0020000100001 060000400001 002000100001 077400457736 002000000705 000000000000 063400420323 050000400001
TRA 0+0801 STZ 600-01 TRA 0+0801 AXI 710N+0 TAA 0+0075 HTR 000000 007400420326 HTR 005+00
20330 -073400400000 050000200005 -012000020335 -032000015252 010000020323 002000020352 007400420326 000005200000
PDX P10-00 CLA 500+05 TMI J+023+ ANA L+01- TZE 10023C TRA 0+023- TRX 010K3F HTR 005+00
20340 050200015244 040100200003 062200200003 -077400400002 050600200000 -032000015243 032200015243 -010000004645
CLS 5201-M ADM 410+03 STD 680+03 AXI 710-00 CLA + 50 +0G ANA L+01-L ERA 3801-L TNZ J0000M
20350 062200200003 002000016472 -005600040000 002000004645 007400416201 005500002000 -005400003000 002000020363
STD 580+03 TRA 0+01U+ LNT -+0400 TRA 0+000M TSA 010J51 SIR 0+0+00 LFT -+0000 TRA 0+0237
20360 007400417756 053500104626 002000100001 007400420060 002000020361 -206445316360 -206021106060 -074646436025
TSA 010J+ LAC 5+080F TRA 0+080F TSA 010K0 TXI 010K0 256723252524 252460406046 -072545604546 -236047466262
20370 -115146516063 -226760216360 -204647254560 234664456360 256723252524 252460406046 -072545604546 -236047466262
RROR I INX SX AT INX OPEN TIX COUNT TIX EXCEED TIX ED -0 PEN M INX T PDSS
20400 312243256060 -204546636021 -252131432122 -032560264651 -203145316331 214331712163 314645606060 -202163632123
TXM LBLE INX NOT A INX VAILAB LER FDR INX INIIT TIX ALI2AT TXM IGN INX ATTAC
20410 306025515156 -116021636060 -203143432527 21436063121 056244316360 -205454545454 -206651163325 -205125212460
TXH H ERRO R AT INX ILLEG TIX AL TRR NSMIT INX ***** TNX WRITE TNX READ
20420 -205454545454 -205125254360 -205454545454 -206060406060 -205454545454 -205125234651 -246260606060 -206060606060
TNX ***** TNX REEL TNX ***** TNX ***** TNX RECOR TNX DS INX
20430 -112524644524 214523706030 316263465170 -205454545454 -205125635170 -226060606060 -205454545454 -204725514433
REDUNC TIX ANLY H TXH ISTRY TNX ***** TNX RETRY INX S TNX ***** TNX PERM.
20440 -205125635170 -202551216225 314343252721 -036026314325 -206462256060 -112544466525 -206051252543 -200000000160
TNX RETRY TNX ERASE TXH ILLEGA L F LFF INX USE REMOVE TNX REEL TNX 0001
20450 -20446644563 202243214542 000006020421 007400420767 007400120460 007400420767 007400420767 002000017453
TNX MOUNT TNX BLANK HTR 003240 HTR 00674A TSA 010K7X TSA 010K4+ TSA 010K7X TRA 0+0118
20460 063400420511 063400120512 007400420326 000007200000 076100000000 005400000400 -100000000000 07400120515
SXA 610K59 SKA 610954 TSA 010K3F HTR 007+00 HOD 770000 LFT -+0040 STR 000000 STR 000000 TSA 010+5+
20470 -005400000400 -100000000000 002000020473 -005000000004 002000020511 050000200004 062100020514
LFT -+0040 STR 000000 TRA 0+024, SIL -+0004 NZT + N+ +04 TRA 0+0299 CLA >00+04 STA 6A025+
20500 -05000020514 -077400400001 052060200000 002000020502 006206700000 050000016207 062100200004 007400400703
CAL N0025+ AKC P10-01 ZET + 5+ +00 TRX 0+0252 MPR + 02 +00 CLA 500157 STA 6A0+04 063400120621 007400420326
20510 000000200000 077400400000 077400100000 002000100001 -020076000000 063400420620 063400120621 007400420326
HTR 000+00 AXI 710-00 AXI 71080C 1PA 0+1801 MPR + K0+000 SKA 610K6+ SKA 610+6A TSA 010K3F
20520 000004200000 007400416220 007400416326 050000200000 073700100000 062200020526 100000120527 -050000200007
HTR 004+00 TSA 010J5+ TSA 010JTF CLA 500+00 PAC 7+0800 STD 6A025F TXI 800+5G CAL N00+07
20530 036100021013 007400420627 036100021014 060202000007 -050000200000 063000020573 050000004542 -073700400000
ACL 3/028+ TSA 010K6G ACL 3/028+ STI 620+07 SLW 620+07 CLA N00+00 STP 6H025, CLA 5000N PDC P+0-00
20540 062100020552 036100015236 062100020547 060400017703 050060004556 002000020556 -300000420562 100014420547 044100400000
STA 6A025- ACL 3/01+- STA 6A025P OA 6401+03 CLA + 50 0N+ TXL Y00K55 TXI 80+K5P LDI 4J0-00
20550 -005600040000 002000020545 034000400000 002000020545 002000020556 002000020545 046060020552 -077300000022
LNT -+0400 TRA 0+025N CLA 3-0-00 TRA 0+025N TRA 0+025+ TRX 0+025M LDQ + 5 25- TRX 0+025M RQL P+0008
20560 -06060020552 002000020545 044100017703 050000004556 077400400000 062160200000 -050000200007 007400420621
STQ + 00 25- TRA 0+025N LDI 4J01+3 CLA 5000+ AXI 710-00 STA + 6A +00 CAL N00+07 007400420621
20570 05000020573 -012000020577 007400400704 000000200000 -050000200007 007400416341 007400420621 TXS 010-7+
CLA 50025, TMI J+025+ TSA 010-74 HTR 000+00 CAL N00+07 TXS 010J7J TXS 010-7+
20600 -050000200007 036100021013 007400420627 036100021014 007400416341 007400420623 007400420623 TXS 010K6C
CAL N00+07 ACL 3/028+ TSA 010K6G ACL 3/028+ TSA 010J7J TXS 010K6C TXM H008+R TSA 010-7+

22260 056000222555 -01200022264 01620002265 002000022354 016200022354 00200002267 060100022556 050000022556
LDO 5 02E* TMI J+02BU TOP 15G2BV TRA 0+02C* TOP 15G2C* TRA 0+02BX STN 6102F* CLA 5002F*
22270 056000022555 -01200002274 01620002275 002000022324 016200022324 050000022554 01000022301 050000022552
LDO 5 07E* TMI J+02B1 TOP 1502B* TRA 0+02CD TOP 1502C* CLA 5002E* TZE 1002C1 CLA 5002E-
22300 002000022316 -075400000000 013100000000 050000022553 022100022555 076000000012 002000022533 -060000022554
TRA 0+02C* PXD P+0000 XCA 110000 CLA 5002E* DVP 2A02E* DCT 7 000* TRA 0+02E* STQ 0002E*
22310 050000022552 022100022554 076000000012 002000022342 013100000000 040200022552 060100022552 005500000002
CLA 5002E- CVP 2A02E* DCT 7 000* TRA 0+02C* XCA 110000 SUB 4202E- STQ 6102E- SIR 0+0002
22320 060400022546 050000130063 014000022512 002000022551 050000022552 076000000003 060100022544 005500000004
STI 6402E0 ADD 400+0T TUV 1-02E* TRA 0+02E* CLA 5002E- SSP 7 0003 STU 6102E* SIR 0+0004
22330 060400022546 060100022551 050000022551 077100000001 056000022556 076300000000 076100000000 060100022551
STI 6402E0 STQ 6102ER CLA 5002ER ARS 720001 LDO 5 02E* LLS 710000 NOP 710000 STQ 6102ER
22340 040000130063 002000022557 076500000000 005400000002 002000022350 050000024635 076300000000 002000022316
ADD 400+0T TRA 0+02E* LRS 7V0000 RFT 0+0002 TRA 0+02CQ CLA 50020* C54 500000010 LLS 710000 TRA 0+02C*
22350 050000022552 040000130063 014000022512 002000022557 050000022545 050000000010 050000022552 060100022337
CLA 5002E- ADD 400+0T TUV 1-02E* TRA 0+02E* CLA 5002FN RFT 0+0008 CLA 5002+* STQ 6102B*
22360 060100022336 005400000010 002000022373 005500000010 060400022546 050000022552 076000000002 060100022552
STQ 6102C* RFT 0+0008 TRA 0+02C* SIR 0+0008 STI 6402E0 CLA 5002E- CHS 7 0002 STQ 6102E-
22370 076700000001 040000130063 002000022557 005700000010 060400022546 050000022552 076000000002 040000130063
ALS 7X0001 ADD 400+0T TRA 0+02F* RIR 0+0008 STI 6402E0 CLA 5002E- CHS 7 0002 ADD 400+0T
22400 060100130033 050000022552 076000000002 077100000001 060100022552 040000130063 002000022557 044100022546
STQ 610+0T CLA 5002E- CHS 7 0002 ARS 720001 STU 6102E- ADD 400+0T TRA 0+02E+ LDI 4J02E0
22410 060100022556 005400000004 002000022332 005400000002 002000022425 005600000001 002000022435 040200022547
STQ 6102E* RFT 0+0004 TRA 0+02C* RFT 0+0002 TRA 0+02DE HNT 0+0001 TRA 0+020* SUB 4202EP
22420 056000022555 -012000022424 016200022425 002000022354 016200022354 050000022552 077100000001 060100022552
LDO 5 02E* TMI J+02DD TOP 1502DE TRA 0+02C* TOP 1502C* CLA 5002E- ARS 720001 STQ 6102E-
22430 040200130063 076000000002 005500000002 060400022546 002000022557 060100022547 050000022455
SUR 420+0T CHS 7 0002 SIR 0+0002 STI 6402E0 TRA 0+02E* STQ 6102EP CLA 500+0T TNZ J0020*
22440 0501000224365 060100022550 050000024636 013100000000 -075400000000 072100022550 076300000003 013100000000
CLA 5002LV STQ 6102EQ CLA 5002U* XCA 110000 PAD P+0000 UVP 2A02EQ LLS 710003 XCA 110000
22450 056000022547 076300000000 076000000002 060100022552 002000022557 050000024356 056000022547 -012000022462
LDO 5 02EP LLS 710000 CHS 7 0002 STQ 6102E- TRA 0+02E* CLA 5002L* LDO 5 02EP TMI J+02DS
22460 016200022462 002000022473 016200022473 05000024365 034000022550 002000022501 002000022501 050000022557
TOP 1502D* TRA 0+02D* TOP 1502D* CLA 5002LV CAS 3-02EQ TRA 0+02E1 TRA 0+02E1 CLA 5002E-
22470 040000130063 01400002206 002000022557 050000022552 077100000001 060100022552 040200130063 076000000002
ADD 400+0T TUV 1-02E* TRA 0+02E* CLA 5002E- ARS 720001 STU 6102E- SUB 420+0T CHS 7 0002
22500 002000022557 050000022552 0 0000000001 040000022552 060100022552 002000022354 013100000000 050000024636
TRA 0+02E* CLA 5002E- ARS 720001 ADD 400+0T STU 6102E- TRA 0+02C* XCA 110000 CLA 50020*
22510 076300000000 002000022557 050000022552 077100000001 060100022552 040000130063 014000022512 002000022557
LLS 710000 TRA 0+02E* CLA 5002E- ARS 720001 STQ 6102E- ADD 400+0T TUV 1-02E* TRA 0+02E*
22520 050000022552 076700000001 060100022552 040000130063 040000130063 002000022526 050000024637 056000022552
CLA 5002E- ALS 7X0001 STQ 6102E- ADD 400+0T TUV 1-02E* TRA 0+02E* CLA 50020* LDO 5 02E-
22530 076300000000 060100022552 002000022557 007400+13672 100002022540 027051001504 000000014154 000000024205
LLS 710000 STQ 6102E- TRA 0+02E* TSX 010J+ TXI 9022E* TR004* HTR 0001J* HTR 0002K*
22540 007400413472 100000022543 027051001505 002000021023 000345171067 076000000002 000000000000 060102465330
TSX 010J+ TXI 8002EL 2YR045 TRA 0+028C 03M+8X CHS 7 0002 HTR 000000 TC08 0/204H
22550 000000000000 000034517106 -000104123257 -001041232550 000000000000 -002102465330 -001041232560
HTR 000000 -1444* -8JCEU HTR 000000 ESNT -A208H -BJCE
22560 0601000224570 044100024576 005700000002 060400024576 050000021563 000000024346 060100021563 050000024377
STQ 6102NY LDI 4J02N* RIR 0+0002 CLA 5002+T ADD 4002L0 STQ 6102+T CLA 5002L*
22570 060100130055 050000024222 -032000021605 010000021701 007400+03631 100003022602 027051001537 000000024570
STQ 610+0* CLA 5002KB ANA L+02+5 TZE 1002+1 TSX 010-+1 TXI 8032F2 2YR04* HTR 0002NY
22600 000000024640 000000024570 007400413672 100007022607 027051004053 000000014154 000000024167 050000024364
HTR 0002U- HTR 0002NY TSX 010J+ TXI 8022F7 HTR 000+J HTR 0002JX CLA 5002U
22610 007400+06664 050000024570 007400406664 050000022546 007400406664 007400406664 100000022620 027051004053
TSX 010-WU CLA 5002NY TSX 010-WU CLA 5002FN TSX 010-WU TSX 010J+ TXI 8002F+ 2YR0-4
22620 002000021701 053400121750 060000022554 060000022554 056000+130066 -077300000022 -050000130065 -076500000022
TRA 0+02+1 LXA 510+0* STZ 6002E* STZ 6002E0 LDO 5 0+0W ROL P+0008 CAL N00+0V LGR PV0008
22630 062100130066 -060000130065 007400423631 050000023030 010070022642 063400221702 050000024346 040000024364
STA 6A0+0* STQ 000+0V TSX 010K+ CLA 500C33 TZE 1002FK SXA 610B+2 CLA 5002LU ADD 4002LU
22640 060100024364 177766121673 050000130066 077300100000 044100024576 050700000100 005500000200 060400024576
STQ 6102LU TXI **44* CLA 500+0W PAC 740R00 LDI 4J02N* RIR 0+0010 SIR 0+0020 STI 6402N*
22650 053500221702 075400200000 040000024351 077400200000 060000022404 053400424361 062100022667 062100022667
LAC 5+0B+2 PXA 7+0+00 ADD 4002LR AXT 710+00 STZ 600RM4 LXA 510KLV STA 6A02F SXA 6A02FX
22660 050000136655 014000022662 077100000005 -062500024454 040000224404 014000022357 0601000224404 05006036655
CLA 500+W* TUV 1-02F5 ARS 720005 STL 0E02M* ADD 400RM4 TUV 1-02+* STQ 610BM4 CLA * 50 3W*
22670 010000022674 050060022667 200001422656 17777722654 060000024376 044100024576 005400000400 002000022737
TZE 1002F1 CLA * 50 2FX TIK +01K* TXI **8F* STZ 6002L* LDI 4J02N* RFT 0+0040 TRA 0+02C*
22700 063400122736 077400100000 060000024455 17777722704 -06340022715 050000024455 040000024346 060100024455
SXA 610+G* AXT 710800 STZ 6002M* TXI **8G4 SXL 010RG* CLA 5002W* ADD 4002L0 STQ 6102M*
22710 050000124402 050100024570 007400403631 100003022720 027051004147 060000024570 000000024641 000000024570
CLA 500+M4 STU 6102NY TSX 010-+1 TXI 8032G* 2YR0JP HTR 0002NY HTR 0002JX HTR 0002NY
22720 007400413472 100002022725 027051004147 000000014154 000000024214 050000024455 007400406664 050000024570
TSX 010J+ TXI 8022GE 2YR0JP HTR 0001J* HTR 0002K* CLA 5002M* TSX 010-WU CLA 5002NY
22730 007400406664 007400413472 100000022734 100000022734 177777122735 177777122705 077400122705 -063400227754
TSX 010-WL TSX 010J+ TXI 8002G1 2YR0JP TXI **4G* TXH **4G5 AXT 710+K SKD 010B+
22740 053500427050 100001422742 056000424404 060000424404 077400400000 050000424404 044100024576 005400000400
LAC 5+0K+YU TXI 801KGK LDO 5 04M4 STZ 600RM4 AXT 710-00 CLA 500RM4 LDI 4J02N* RFT 0+0040
22750 040000024376 040000022776 060100024376 177777422754 377776422745 007400413672 100007022762 027051004177
ADD 4002L* TLQ 0-02G* STU 6102L* TA' **KG* TXH **KGN TSX 010J+ TXI 8022G5 2YR0J+
22760 000000014154 000000024230 050000024252 040000024346 060100024262 007400406664 050000027047 007400406664
HTR 0001J* HTR 0002KH CLA 5002K5 ADD 4002LU STJ 6102K5 TSX 010-WU CLA 5002YP TSX 010-WU
22770 007400413472 100000022773 027051004177 050000024354 076000000147 002000023015 007400413672 100007022703
TSX 010J+ TXI 8002G1 2YR0J+ CLA 5002L* SLN 7 001K TRA 0+02H* TSX 010J+ TXI 8022H3
000 027051004210 000000014154 000000024242 050000024262 040000024346 060100024262 007400406664 050000027047
2YR0K8 HTR 0001J* HTR 0002KH CLA 5002K5 ADD 4002LU STQ 6102K5 TSX 010-WU CLA 5002YP
22780 007400406664 007400413472 100000023014 027051004210 050000024355 062100023042 050000024622 077100000004
TSX 010-WL TSX 010J+ TXI 8002H1 2YR0K8 CLA 5002I* SJA 0402M* LLA 5002K* ARS 720004
22800 032000024346 -010000021240 077400100000 044100024576 057000000100 060400021576 050000024352 060100024352
ANA L+02L0 TNZ J002+* AXT 710800 LDI 4J02N* RIR 0+0030 STI 6402N* LLA 5002L- STQ 6102L*
22830 050000024632 060100023517 050000024665 040200024632 073400400000 010000023520 063400423523 050000130056
CLA 5002D+ STU 6102+* CLA 5002N* SUB 4202U+ PAX 710-00 TZE 1002+* SXA 610K4C CLA 500+0W
22840 062100023041 -077400200011 056300130057 014000023044 -062500024454 020000024353 014000023601 060100024460
STA 6A02HJ AXC P10+0V LDO 5 0+0* TUV -02HM STL 0E02M* MPY * 20 2L* TUV 1-02+1 LDI 6102M0
22850 077400400004 063400424371 -077400203013 050000024353 -073400400000 063400423226 073400400000 063400423111
AXT 710-04 SXA 610KLV AXC P10+0* CLA * 50 2L* PFX P10-00 SXA 610K4F CLA 510-00 PAX 710-00 SXA 610K19
22860 063400424402 063400424363 050000130066 073700100000 077400200014 063400223112 063400423072 077400400002
SXA 610K42 SXA 610KLV CLA 500+0W PAC 7+0800 AXC P10+0* SXA 610B1+ TXH +00K* AXT 710-02
22870 063400424371 007000023212 060000024357 050000237067 014000073075 077100000006 -062500024454 040000024357
SXA 610KLV TRA 0+02+* STZ 6002L* CLA * 50 CYX 200001423073 001100000000 ARS 720006 STI 0F02M* ADD 4002L*
23100 04000023601 060100024371 177777223103 177777223103 011000000000 -075400000000 022000024402 076300000006
TUV 1-02+1 STQ 6102L* TXI **8J3 TIX +01K* XCA 110000 PXD P+0000 DVH 2+02+2 LLS 710006

23740 007400406664 050000024570 007400406664 050000024571 007400406664 007400413472 100000023750 027051004624
TSX 010-WL CLA 5002NY TSX 010-WU CLA 5002M7 TSX 010-WU TSX 010JJ= TXI 8002+Q 2YR00D
007400413672 100002023755 027051002614 000000014154 000000024255 007400413472 000000023760 027051002615
TSX 010JJ= TXI 8022+* 2YR0F* HTR 0001J* HTR 0002K* TSX 010JJ= TXI 8002+ 2YR0F*
23760 050000023524 077400400005 073700200000 050000200001 06010424463 050000200011 060100424470 050060200000
CLA 5002+0 AXI 710-05 PAC 7+0+00 CLA 500+01 STU 610KMT CLA 500+09 STU 610KMY CLA * 50 +00
23770 -012000023774 050000200000 200001423767 002000024000 -200001424000 060000424463 060000042470 002000023774
TMI J+02+1 CLA 500+00 TIX +01K+5 TRA 0+02-0 TNX 01K-0 STZ 600KMT STZ 600KMY TRA 0+02+1
24000 007400403631 100003024006 027051004670 000000024463 000000024632 000000024463 007400403631 100003024014
TSX 010-+1 TXI 6032-6 2YR00Y HTR 0002MT HTR 0002U+ HTR 0002MT TSX 010-+1 TXI 8032-1 100003024014
24010 027051004670 000000024464 000000024632 000000024464 007400403631 100003024022 027051004670 000000024465
2YR00Y HTR 0002M+ HTR 0002D+ HTR 0002MU TSX 010-+1 TXI 8032-B 2YR0UY HTR 0002MV HTR 0002M+
24020 000000024632 000000024465 007400403631 100003024030 027051004670 000000024466 000000024632 000000024466
HTR 0002N+ HTR 0002MV TSX J10-+1 TXI 8032-H 2YR0UY HTR 0002MW HTR 0002D+ HTR 0002M+
24030 007400403631 100003024036 027051004670 000000024467 000000024532 000000024467 007400413672 100002024043
TSX 010-+1 TXI 8032-+ 2YR00Y HTR 0002MX HTR 0002U+ HTR 000+ MX TSX 010J+* TXI 8022-L
027051004670 0000J0C1+154 000000024317 050000024456 -073400400000 063400424631 -032000024604 007400406664
2YR00Y HTR 0001J* HTR 0002L+ 007400406664 050000024463 007400406664 050000024467 007400406664 050000024467
24050 050000024631 007400406664 050000024463 007400406664 050000024467 050000024467 050000024467 050000024467
CLA 500201 TSX 010-WU CLA 5002MT TSX 010-WU CLA 5002M+ PDX P10-00 SXA 610K01 ANA L+0204 TSX 010-WU
007400406664 050000024631 007400406664 050000024464 007400406664 050000024460 007400406664 050000024460 050000024460
TSX 010-WL CLA 500201 TSX 010-WU CLA 5002M+ PDX P10-00 SXA 610K01 ANA L+0204 TSX 010-WU
-032000024604 007400406664 050000024461 007400406664 050000024466 007400406664 050000024462 007400406664
ANA L+0.04 TSX 010-WU CLA 5002L+ CLA 5002M+ PDX P10-00 SXA 610K01 ANA L+0204 TSX 010-WU
24100 063400424631 -032000024604 007400406664 050000024631 007400406664 050000024466 007400406664 050000024462
SXA 610K01 ANA L+0204 TSX 010-WU CLA 5002M+ PDX P10-00 SXA 610K01 ANA L+0204 TSX 010-WU
24110 -073400400000 063400424631 -032000024604 007400406664 050000024631 007400406664 050000024467 007400406664
PDX P10-00 SXA 610K01 ANA L+0204 TSX 010-WU CLA 5002M+ PDX P10-00 SXA 610K01 ANA L+0204 TSX 010-WU
24120 007400413472 100000024123 027051004670 050060200000 -012000024127 050000200000 002000023761 077400271214
TSX 010JJ= TXI 8002JG 2YR00Y CLA * 50 +00 TMI J+02JG CLA 500+00 TRA 0+02+* AXI 710G+
077400177764 07740045146 002000400001 000000000000 012715000000 -340130013460 -346003043660 254563255160
AXI 710+* AXI 710NRU TRA 0+0-01 HTR 000000 1G+000 TXL (1,1) TXL J 34H TXI ENTER
24140 -052566604462 -203145634660 -022570626026 -065160432565 254360733103 -336161613460 -34606007060 -032565244360
NEW MS INX INTC JO6045464523 -064565255127 254567336045 254660446260 136073260104 331034606060 -346093063060
24150 -333103730205 306045464523 -064565255127 254567336045 254660446260 136073260104 331034606060 -346093063060
TXL J13,25 TXH H NDMC INVPFG TIX ENT. N TIX = ,F14 TXL (8) TXI (36H)
24160 254563755160 -052566602231 216260314563 -066042257062 -202646516043 256525436073 310334606060 -346060073060
TIX ENTER NEW BI TIX AS INT 0 KEYS TIX FOR L TIX LEVEL TIX (13) TXH (7H)
24170 -032565254360 -333103730303 306046646347 -246360466463 -204626605121 -052725736045 256660223121 -226013607360
LEVEL TXL J13,33 TXH H OUTP TIX UT OUT TIX CF RA NGE, N TIX EM R1A TXN S = ,
24200 260104331061 056773010230 -145460602346 -056351464313 -3346010.6034 -340303306047 -340303306047 -056021416462
TIX F14,8/ 5K,12H ** CU NTRDL= TXL (012) TXL (133H P TIX CFNT I N AJUS
24210 -236027512521 -232551606330 214560464525 333460606060 -346060113060 -276444604546 336073303373 043060216260
TNX T GREP TNX TER TH TIX AN ONE TXH J TXL (9H) TNX SJM NO TXH = ,13, 4H TS
24220 -33260100 05 346060606060 000000100000 -341067731104 -3301033106022 312162602330 312162602330 -216134606060
TXL F10,5 TXH) HTR 000800 TXL (8X,14 TXL (8X,14 TXL (8X,14 TXH IAS CH TIX ANGFS TXN //)
24230 -340430005454 -147331047304 -277306303145 -076463607321 067303677302 043060314524 254563312631 232163214645
TXL (4H0** *14,4 TXH X,6HIN BSF PUT ,A 6,3X,2 4H IND TIX ENTIF I TIX CATION
24240 -202346515125 236333603460 -340430005454 -147331047304 -277306303145 -076463607321 -076463607321 067303677302 073060312425
TNX CORRE TIX CT.) TXL (4H0** *14,4 TNX X,6HIN BSF PUT ,A 6,3X,2 TH IDE
24250 -056331263123 216331464560 -203145234651 -112523633350 TXH RECT. -340767730574 010630602346 -044733606660
NIF I C TIX ATION TNX INCOR TIX INCOR RECT. TXL (7X,5) TXL (16H CO MP.
24260 -20466464764 -237306673434 000000000256 -340306300045 -066064456221 -236451216325 246027406663 -223360247760
TNX OUTPL TNX T,6X1) HTR 00002+ TXL (36HON N UNSA TNX TURATE TIX D G-WT TNX S. 0G
24270 -23466604321 -112725336034 -340405306051 256263215163 -206651316363 254573604331 266360626202 -202145246047
TNX TDD LA RGI.) TXL (45H) TIX ESTART TNX WRITT TIX EN, LI TIX F14,8/ TIX S52 TNX ANO P
24300 -112562626062 -232151616063 -067360606060 010030602346 -066331456425 336034606060 -341067730630 -204375652543
RESS S TNX TART T TZE LOM CO NTINUE TIX) TXL (8X,6H TNK
24310 -333104730367 -330630604462 -201360. 2601 043310730367 -331030602331 216260136073 -340567730574
TXL J14,3X TXL ,5H MS TNX = ,F1 TXL (8H BI TIX AS = , TIX F14,8/ TXL (5X,5)
24320 008773310373 013033731102 -330467732601 003307334660 -340101376723 -064447464525 -056360606073 310373013033
3X,13, 1H.,12 TXL J4X,F1 TEF, 0.7) TXL (11H C TXH (11H C OMPONE NT ,
24330 -333102730101 306060274066 253127306362 -206060606060 346060606060 000000000000 000000000000 000000000000
TXL J12,11 TXH H G-W TIX EIGHTS TNX J HTR 000000 HTR 000000 HTR 000000 HTR 000000
24340 000000000000 000000000000 000170000000 007640000000 031463146314 000000000000 000000000000 000000000000
HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
24350 -377777000000 030303030303 000000230303 000000237067 000000030057 000000030060 000000030060 000000030060
TXL *+000 DF5B 333333 HTR 000C33 HTR 000CYX HTR 00030 HTR 00030 HTR 00030 HTR 00030
24360 000000000001 000000000001 000002000000 000000077766 000000000002 000000000002 000000000002 000000000002
HTR 000001 HTR 000001 HTR 002000 HTR 0007+W HTR 000C02 HTR 000002 HTR 000002 HTR 000002
24370 000400000000C 000000000000 000000000000 -001051460000 000000000000 000314631463 000300000000 000314631463
040000 HTR 000000 HTR 000000 -RR00 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
24400 177676355000 173777160000 000000001174 110201471500 000000000000 000000000000 000000000000 000000000000
TXI *+000 TXI *+000 TXI 000011 TXI 121P*0 HTR 000000 HTR 000000 HTR 000000 HTR 000000
WORDS 24410 TO 24447 ALL CONTAIN 000000000000 HTR 000000
24450 000000000000 000000000000 000000000000 000000000000 000000023361 000000000001 000002000001 000002060002
HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000001 HTR 000001 HTR 000002
24460 000000000000 000000000000 000000000000 000000000000 200777777774 000000000000 000000000000 000000000000
HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 TIX +7+000 HTR 000000 HTR 000000 HTR 000000
WORDS 24470 TO 24557 ALL CONTAIN 000000000000 HTR 000000
24560 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 001000000014 000000000001
HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
24570 200777777774 -20040515270 000000000002 000000000000 000000000000 000000000000 000000000000 000000000000
TIX +7+000 INX 4+X-Y HTR 000002 HTR 000001 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
24600 000000000000 000000000000 000000000000 000000000000 -206060606060 000000000000 000000000000 000000000000
HTR 000000 HTR 000000 HTR 000000 HTR 000000 TIX HTR 000000 HTR 000000 HTR 000000 HTR 000000
24610 -340574010067 -332601043110 343460606060 -340307306021 -113163304425 -233123236046 -242551264346 -2656232364
TXL (5110X TXL F14,8 TXH J) TXL (133H P TIX RITHM TIX TILC 0 TIX VERFLU TNX W DCCU
24620 -112524602163 -204346236073 -060534606060 007400406664 100000024626 027051004670 007400404003 300000024631
RED AT INX LOC. (5) TSX 010-+1 TXI 8002JG 2YR00Y TSX 010-+1 TXI 8002JG 2YR00Y TSX 010-+1 TXI 8002JG 2YR00Y
24630 027051003064 000000000000 000000000001 000000000000 312777777774 010000000000 377000000000 377000000000
2YR00Y HTR 000000 HTR 000001 HTR 000000 HTR 000000 TIX ***** TIX ***** TIX ***** TIX *****
24640 000000000001 000000000000 000000000000 200000000000 000000000000 000000000000 000000000000 000000000000
HTR 000004 HTR 000000 HTR 000002 HTR 000000 TIX +00000 TRA 0+02-+ HTR 000000 HTR 000000 HTR 000000
24650 314547606060 000000000000 -204421676060 -0L 1000000000 314547606060 -206264446060 000000000000 000000000000
TXH INP HTR 000002 TIX MAX -00000 TXH INP HTR 000000 HTR 000000 HTR 000000 HTR 000000
24660 000000000000 000000000000 000000000001 000000000000 000000000000 000000000000 000000000000 000000000000
HTR 000000 HTR 000000 HTR 000001 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000

24670 0000000002C 00000000010 00000000040 00000000040 00000000000 00000000000 -340303306051 252124232360
HTR 00000+ HTR 000008 HTR 00000- HTR 000040 HTR 000000 HTR 000000 TXL 133M R TIX EADCC
234645635146 -036023215124 -204546604751 256225456333 -210130013460 -344601027303 303145477331 017301677321
TIX CONTRC L CARD TNX NO PR TIX ESENT- TNX /H11 TXL 1012,3 TXH HIMP,1 1,1X,A
047302310373 016773023101 -331174016773 310334732606 330634606060 -342103733101 -331131037326 063306732104
4,213, TX,211 TXL ,911X, TXH 131,F6 TXM ,61 TXL 1A3,11 TXL ,913,F 6,6,A4
24720 -330331037302 310134606060 -340200300151 252124706023 -064563514643 -202321512360 -206060606060 -206060606034
TXL ,313,2 TXH 111 TXL 120H1R TXL EADY C ONTRUL TNX CARD TNX)
24730 -340426113305 346060606060 -340407300154 -145454543144 -075146472551 -203145476463 -204446424573 -202346515125
TXL 14F9,5 TXH 1 TXL 147H1* ***1M PROPER TNX INPUT TNX MOUE, TNX CORRE
24740 236360214524 -205125626321 -116333346050 060000024576 007400413672 100004024751 100004024751 025254000002
TIX CI ANC TNX RE STA RT.) TXI 8022P* TXI 8022P* TXI 8022P* TXI 8022P* TXI 8022P* TXI 8022P* TXI 8022P* TXI 8022P*
24750 000000024722 007400413472 007400413747 100007024757 025254000003 000000014153 000000024715 000000024715
HTR 0002PB TSX 010J+ TSX 010J+K TXI 8022P* 060100021571 007400406664 060100021574 060100021574
24760 060100024650 007400406664 060100024651 007400406664 060100021571 007400406664 060100021574 060100021574
STO 61020Q TSX 010-WU STO 61020R TSX 010-WU STO 6102*2 TSX 010-WU STO 6102*2 TSX 010-WU STO 6102*2 TSX 010-WU
24770 060100021575 007400406664 060100021576 007400406664 060100021577 007400406664 060100021600 060100021600
STO 6102** TSX 010-WU STO 6102** TSX 010-WU STO 6102** TSX 010-WU STO 6102** TSX 010-WU STO 6102** TSX 010-WU
25000 060100021601 007400406664 060100021602 007400406664 060100021603 007400406664 060100021604 060100021604
STO 6102*1 TSX 010-WU STO 6102*2 TSX 010-WU STO 6102*3 TSX 010-WU STO 6102*4 TSX 010-WU STO 6102*5 TSX 010-WU
25010 060100024652 007400406664 060100024653 007400406664 060100024654 007400406664 060100024655 007400406664
STO 61020- TSX 010-WU STO 61021/ TSX 010-WU STO 6102UO TSX 010-WU STO 6102** TSX 010-WU STO 6102** TSX 010-WU
25020 060100021572 007400406664 060100024653 007400413520 050000024650 040200024654 016000025030 002000025242
STO 6102** TSX 010-WU STO 61020X TSX 010-WU STO 61020Y TSX 010-WU STO 61020Z TSX 010-WU TZE 10020H TRA 0+02-K
25030 050000024653 040200024663 010000025036 050000024576 040000024664 060100024576 007400403710 100002025043
CLA 50020* SUB 42020T TZE 10020* CLA 5002N* ADD 40020U STO 6102M* TXS 010+* TXI 8022PH TXI 8022PH
25040 025254000032 000000021604 000000024663 050000024651 040200024665 010000025047 012000025053 050000024651
2+*00* HTR 0002** HTR 00020T CLA 50020R SUB 42020Y TZE 1002C7 TPL 1+020* TXI 8022PH TXI 8022PH
25050 040200024662 010000025054 012000025054 002000025230 050000024651 040200024666 010000025074 -017000025070
SUB 42020S TZE 10020* TPL 1+020* TKA 0+02-H CLA 50020M SUB 42020W TZE 10020I TMI J+020Y
25060 050000024651 040200024667 010000025064 012000025100 050000024576 040000024670 060100024574 002000025103
CLA 50020R SUB 42020X TZE 10020U TPL 1+020R CLA 5002N* ADD 40020Y STO 6102N* TRA 0+02R3
25070 050000024576 040000024665 060100024576 002000025103 050000024576 040000024671 060100024576 002000025103
CLA 5002N* ADD 40020Y STO 6102Y* TRA 0+02R3 CLA 5002N* ADD 40020Z STO 6102M* TRA 0+02R3
25100 050000024576 040000024672 060100024576 050000024655 040200024652 -010000025111 050000024576 040000024673
CLA 5002N* ADD 40020* STU 6102Y* CLA 50020* SUB 42020* TNZ J002R9 CLA 5002N* ADD 40020* ANO 40020*
25110 060100024576 060000024574 050000024600 040200024663 -010000025116 002000025157 056000024600 020000024665
STU 6102N* STZ 6002N1 CLA 500200 SUB 42020T TNZ J002R* TRA 0+02R* LDQ 5 0200 MPY 20020Y
25120 -060000024656 007400413742 100002025126 025254000060 000000014153 000000024730 053500424656 17777425130
STO 00020* TSX 010J+K TXI 8022H* TXI 8022H* HTR 0001J* HTR 0001J* HTR 0001J* HTR 0001J* HTR 0001J* HTR 0001J*
25130 -063400425135 -077400100001 007400406664 060100124470 177777125135 300000125132 007400406664 053500424656
SKD 010KR* AXC P10801 TSX 010-WU STO 610MY TXI ***R* TXH H00R* TXS 010J** LAC 5*0K0*
25140 177777425141 -063400425154 -077400100001 075400124470 -040000025143 062100025151 007400403710 100002025153
TXI ***R* SKD 010KR* AXC P10801 PAX 7*0MY SBM M002R1 STA 6A02RR TXS 010+* TXI 8022R*
25150 025254000074 000000000000 060000024663 177777125154 300000125143 000000024662 060100024574 007400413672
2+*00* HTR 000000 HTR 00020T TXI ***R* TXH H00R* CLA 50020S STU 6102M1 TSX 010J**
25160 100002025164 025254000100 000000014154 000000024735 050000024576 007400406664 050000024651 007400406664
TXI 8022R1 2+*010 HTR 0001J* HTR 0002P5 CLA 5002N* TSX 010-WU CLA 50020R TXS 010-WU
25170 050000024652 007400406664 050000024361 007400406664 050000024600 007400406664 050000021573 007400406664
CLA 50020- TSX 010-WU CLA 50021/ TSX 010-WU CLA 500200 TSX 010-WU CLA 5002** TSX 010-WU CLA 5002** TSX 010-WU
25270 050000021572 007400406664 050000021571 007400406664 050000021574 007400406664 050000021575 007400406664
CLA 5002** TSX 010-WU CLA 5002*2 TSX 010-WU CLA 5002*1 TSX 010-WU CLA 5002** TSX 010-WU CLA 5002** TSX 010-WU
25270 050000021576 007400406664 050000021577 007400406664 050000021600 007400406664 050000021601 007400406664
CLA 5002** TSX 010-WU CLA 5002** TSX 010-WU CLA 5002*0 TSX 010-WU CLA 5002*1 TSX 010-WU CLA 5002*1 TSX 010-WU
25220 050000021602 007400406664 050000021603 007400406664 050000021604 007400406664 007400413472 002000025257
CLA 5002*2 TSX 010-WU CLA 5002*3 TSX 010-WU CLA 5002*4 TSX 010-WU CLA 5002*5 TSX 010J** TRA 0+02**
25230 007400413672 100002025235 025254000101 000000014154 000000024732 007400413472 050000024660 007400406664
TSX 010J** TXI 8022** HTR 0001J* HTR 0002P* TXS 010J** CLA 50020 TXS 010-WU
25240 100000025242 025254000101 007400413672 100002025247 025254000102 000000014154 000000024676 007400413472
TXI 8002-K TXI 8002** TXS 010J** TXI 8002** TXI 8002** TXI 8002** TXI 8002** TXI 8002** TXI 8002**
25250 050000024666 007400406664 100000025254 025254000102 000000056722 -112521242360 100000025264 07740017472
CLA 50020 TSX 010-WU TXI 8002** 2+*012 HTR 0005XB READC TXI 8002-U AKY 710+1=
25260 077400456722 044100025263 002000400001 000000100000 060400025263 063400402652 03400425254 063400425260
AXT 7104XB LDI 4J02-T TRA 0+0-01 HTR 000800 STI 6402-T SXA 610-F- SXA 610K** SXA 610K**
25270 063400125257 050000400003 062100024743 062100025033 062100025035 062100025064 062100025066 062100025066
SXA 610** CLA 500-03 STA 6A02PL STA 6A02Q. STA 6A02Q* STA 6A02Q* STA 6A02Q* STA 6A02Q* STA 6A02Q* STA 6A02Q*
25300 062100025072 062100025074 062100025076 062100025100 062100025102 062100025106 062100025110 062100025164
STA 6A020* STA 6A0201 STA 6A020* STA 6A020R STA 6A02R2 STA 6A02R2 STA 6A02R6 STA 6A02R8 STA 6A02R8 STA 6A02R8
25310 050000400004 062100024764 062100025202 050000400005 062100024766 062100025204 050000400006 062100024770
CLA 500-04 STA 6A02PU STA 6A02-2 CLA 500-05 STA 6A02PN STA 6A02-4 STA 6A02-4 STA 6A02-4 STA 6A02-4 STA 6A02-4
25320 062100025215 050000400007 062100024772 062100025210 050000400010 062100024774 062100025212 050000400011
STA 6A02-1 CLA 500-07 STA 6A02P* STA 6A02-H CLA 500-08 STA 6A02P1 STA 6A02-8 STA 6A02-8 STA 6A02-8 STA 6A02-8 STA 6A02-8
25330 062100024776 062100025214 050000400012 062100025000 062100025216 062100025218 050000400013 062100025002
STA 6A02P* STA 6A02-1 CLA 500-0* STA 6A02Q0 STA 6A02-0 CLA 500-0* CLA 500-0* CLA 500-0* CLA 500-0* CLA 500-0* CLA 500-0*
25340 050000400014 062100025004 062100025272 050000400015 062100025006 062100025006 062100025006 062100025006
CLA 500-0* STA 6A02Q4 STA 6A02-B CLA 500-0* STA 6A02Q6 STA 6A02QJ STA 6A02-D STA 6A02-D STA 6A02-D STA 6A02-D STA 6A02-D
25350 073400100000 17777712535- 063400125133 063400125143 050000400017 062100025111 062100025156 050000400020
PAX 710800 TXI ***R* SXA 610** SXA 610** SXA 610** SXA 610** SXA 610** SXA 610** SXA 610** SXA 610**
25360 062100025012 062100025172 050000400021 062100025016 062100025176 062100025176 062100025020 062100025020
STA 6A020* STA 6A02R* CLA 500-0A STA 6A02Q* STA 6A02Q* STA 6A02R* STA 6A02R* STA 6A02R* STA 6A02R* STA 6A02R*
25370 050000400023 062100025014 062100025112 062100025116 062100025174 062100025174 002000024743 002000025545
CLA 500-0C STA 6A02Q1 STA 6A02R1 STA 6A02R1 STA 6A02R1 STA 6A02R1 TRA 0+02PL TRA 0+02*H HTR 000000 HTR 000000
25400 000000000044 000000000014 000000000001 000000000000 000000000000 000000000000 000000000000 000000000000
HTR 00000* HTR 00000* HTR 00000* HTR 00000* HTR 00000* HTR 00000* HTR 00000* HTR 00000*
25410 -340401306063 14725602446 256260454663 -202127512525 -206531633060 234645635146 -036065214364 256233616160
TXL 61H T TIX AFE DU TIX ES NOT TNX AGREE TNX WITH TIX CONTRC I VALU TIX ES, //
25420 -206160606060 -206060606060 076773063031 -112466471373 310473036773 07305122124 07305122124 -0647137330730
TNX TNX ALS 7X,6H1 RDOP*, TXH 14,3X, 046160606060 066773073045 066773073045 066773073045 066773073045 066773073045 066773073045
25430 -054564443145 137331047303 -277306304564 -043145137331 -112521244677 137331047361 076773063045 -246431457331
LNCHD* NNUMIN TXI =,14,3 TNX X,6HNU -34J76730730 -112521244677 137331047361 076773063045 -246431457331
25440 -330630452144 256213733104 346060606060 -34J76730730 TXL 17X,7H 100001025451 025543000001 000000000312 007400411722
TXL 6HNA* TIX ES,14 TXH 1 TXL 17X,7H TXI 8012** 2+L001 HTR 0000** HTR 0000** HTR 0000** HTR 0000**
25450 046107677306 30452** 2562 137331043460 007400413770 100001025451 TXI 8012** 2+L001 HTR 0000** HTR 0000** HTR 0000** HTR 0000**
47X,6 TXH HNAME5 060100025400 007400411722 060100025401 007400411722 050000025377 050000025377 040200021557
25460 060100025177 007400411722 060100025400 007400411722 060100025401 007400411722 060100025401 007400411722
STO 6102** TSX 010J+B STO 6102** TSX 010J+B STA 6A02*1 TSX 010J+M CLA 5002*0 STA 6A02*0 STA 6A02*0 STA 6A02*0 STA 6A02*0
25470 -010000025477 050000025400 040200021560 -010000025477 050000025401 040200021561 010000025500 002000021515
TNZ J002** CLA 5002*0 SUB 4202*0 CLA 5002*1 CLA 5002*1 CLA 5002*1 CLA 5002*1 CLA 5002*1 CLA 5002*1 CLA 5002*1
25500 007400413672 002025505 025543000007 000000014154 000000025443 050600021557 007400406664 050000021560
TSX 010J** TXI 8022** 2+L007 HTR 0001J* HTR 0002*H CLA 5002** STA 010-WU CLA 5000** CLA 5000**
25510 007400406664 050000021561 007400406664 007400413472 007000025546 007400413672 007400413672 025543000020
TSX 010-WU CLA 5002*0 TSX 010-WU TSX 010J** TRA 0+02*0 TSX 010J** TXI 8022** 2+L008

31760 164735127110 075415127113 031547127114 115765127057 164735127061 075415127063 031547127064 -044242127070
TXI *P*E*Z* PXA 7*+*Z* 3*P*Z* TXI 9*V*Y* TXI *P*E*Y* PXA 7*+*Y* 3*P*Y* MXX*Y*
31370 -130600127071 -173167127072 -110201127073 -044242127076 -130600127077 -041140127102 -041140127103 000000031453
S60*Y*Z *I*E*Y* R21*Y* MXX*Y* S60*Y* M9-*Z*2 M9-*Z*2
31400 00000100001 00014*617042 000026007451 020000000000 020000000000 020000000000 020000000000 020000000000
HTR 00100* 0111/YK HTR 00F01R MPY 200000 MPY 200000 MPY 200000 MPY 200000
31410 074750120000 000000000000 000020000020 071675132547 047300132623 176434132753 061515133027 061045133103
7P0*00 HTR 000*00 HTR 00*00+ HTR 00*00+ HTR 4,0*FC TXI *U1*G8 6*+*HG 68N*13
31420 134121133363 057766133437 061253133567 -103052133643 -102577134177 -103615134403 -061154134737 -105564135067
TXI *J*A*+T 5*+*1* 6*8*+X QH=*0L UF=*J* Q*+*M3 7*9*+P* Q*+*0X
31430 -0744 *S1*4*2 -075737135217 -104735135273 000000127105 00000127106 124113127107 134034127111 110374127114
H+*P*1 P*+*+* QP*+*+ HTR 000*75 HTR 000*Z6 TXI *J*+Z*7 TXI *+1*Z*9 TXI 931*6*+
31440 120771127051 140502127054 125531127055 -000000127056 -116744127057 -105671127060 -105671127061 -112517127063
TXI *7*+*YR TXI *5*2*Y* TXI *+1*Y* -0C*Y* KX*Y* Q*+*Y* Q*+*Y* J*+*Y* J*+*Y*
31450 -116744127056 -105671127066 -105671127067 000000031527 000001000017 000001000017 -000001424150 020000000000
RX*Y*Y Q*+*Y*Y Q*+*Y*Y HTR 0003*G HTR 00100* -*9*5* -01K*Q MXY 200000
31460 020000000000 020000000000 020000000000 000000000000 000000000000 000000000000 000020000020 043537135553
MPY 200000 MPY 200000 MPY 200000 HTR 000*00 HTR 000*00 HTR 000*00 HTR 000*00 4*+*+*
31470 037346135703 125455135757 200000136183 045513136237 036471130357 200000130433 043007130507 -060060130563
3*0*+3 TXI *+*+*+ TXI *00*+T 4*+*5* 3U*+3 TXI *00*+4 4*7*5*7 STQ * 00 *5T
31500 -103473130713 -104267131117 -104646131173 -102021131247 -106374131603 -101565131657 -076662132137 002327127071
Q1,*+* QX*+*9* 00U*9* Q*+*+* Q3*+*3 Q3*+*3 Q3*+*3 Q3*+*3 P*5*+* Q*Y*+*
31510 124367127077 122340127100 122410127102 122410127102 121111127104 126367127105 000000127110 -104144127111
TXI *T*+*Y* TXI *C*+*20 TXI *D*8*Z1 TXI *D*8*Z2 TXI *9*9*+*4 TXI *T*+*Z*5 HTR 000*Z*8 QJ*+*Z*9
31520 -104011127112 -077152127113 -071605127114 -101652127052 -104011127054 -077152127055 -071605127056 00000001603
Q*+*Z* Q*+*Z* PZ*+*Z* P*5*Z*1 Q*+*+* G*+*+* PZ*+*+* PZ*+*+* P*5*+*+* HTR 0003*3
31530 000001000020 -001312565614 -000036365355 020000000000 020000000000 020000000000 020000000000 000000000000
HTR 00100* HTR *+*+*+ -0*+*+* 020000000000 020000000000 020000000000 020000000000 000000000000
31540 000000000000 000000000000 000020000020 177233132267 063330132417 066335132473 131677132547 027225132677
HTR 000000 HTR 000000 HTR 00*00+ HTR *+*+*+ HTR 6*H*+*0 6*+*+*0 TXI *+*+*+P 2*+*+*+
31550 045627133027 103320 33233 0743 0133307 -112046133437 -110146133567 -000000133643 -104200134047 -113301134403
4*G*+*G TXI H*+*+* 7L*+*+* R*+*+* R10*+* R10*+* R10*+* R10*+* -0*+*+L QK0*+*P R1*+*3
31560 -104514134663 -115466135013 -113574135067 104505127060 103557127061 127235127063 113375127064 104505127066
QY*+*Q1 QY*+*Q1 F*+*+*Q* R*+*+*QX TXI 8*+*+*Y TXI *+*+*Y TXI 9*+*+*Y TXI 9*+*+*Y 104505127066
31570 103552127067 114405127070 000000127073 -102123127075 -07252127100 -102123127103 -101020127110 -102123127111
TXI 8*+*+*Y TXI 5M*+*Y TXI 000*Y, QAC*Z3 HTR 000*Y, QAC*Z3 HTR 000*Y, QAC*Z3 HTR 000*Y, QAC*Z3 HTR 000*Y, QAC*Z3
31600 -072532127114 -10074*127051 -102123127053 000000031657 000001000021 -001212111722 -00001160453 020000000000
PE*+*Z* Q7*+*YR CAC*Y* HTR 0003*+ HTR 00100A HTR *+*+*+ HTR *+*+*+ HTR *+*+*+ HTR *+*+*+
31610 020000000000 020000000000 020000000000 000000000000 000000000000 000000000000 000020000020 10731315217
MPY 200000 MPY 200000 MPY 200000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 TXI 8*+*+*+
31620 073630135723 101240135423 075055135477 075055135627 104211136033 075773136367 077002130303 -10*651130357
7*+*+*+ TXI 8*+*+*+ TXI 7Q*+*+* TXI 7Q*+*+* TXI 8K*+*+ TXI 7*+*+* TXI W*F 7Y*+*33 Q*6*+*3
31630 -075746130507 -100376130563 -104127131247 -113207131323 -062603131377 -075276131453 -101121131733 011050127056
P*0*+57 Q3*+*5T QJ*+*+P R*+*+* R*+*+* R*+*+* R*+*+* P*+*+* Q9*+*+* 100*+*+
31640 000000127057 011050127064 167650127067 167650127070 167650127076 011150127100 175216127105 -134425127107
HTR 000*Y* 18Q*+*Y TXI *+*Q*+*Y TXI *+*Q*+*Y TXI *+*Q*+*Y TXI 18Q*+*0 TXI *+*+*+5 S*E*+*27
31650 -11323127111 -005260127112 -134425127051 -000000127055 -134425127057 -075346127064 -134425127065 000000031733
RMC*+*Z*9 --*Z*+ S*E*+*YR --*Y*+ S*E*+*YR P30*+*Y S*E*+*YR S*E*+*YR S*E*+*YR HTR 0003*+
31660 000001000022 -001516614204 000022157137 020000000000 020000000000 020000000000 020000000000 000000000000
HTR 00100B --*/KU HTR 008*+*+ MPY 200000 MPY 200000 HTR 000000 HTR 000000 MPY 200000 HTR 000000 HTR 000000
31670 000000000000 000000000000 000020000020 066577132007 055676132267 100653132343 104301132473 121064132623
HTR 000000 HTR 000000 HTR 00*00+ HTR 00*00+ HTR 5*+*+* TXI 86*+*+ TXI 86*+*+ TXI 86*+*+ TXI 86*+*+
31700 102160132753 077235133103 103473133157 -113364133233 -113441133307 -064671133437 -000403133567 -115047134253
TXI 8*+*+ TXI 8*+*+ TXI 8*+*+ TXI 8*+*+ TXI 8*+*+ TXI 8*+*+ TXI 8*+*+ TXI 8*+*+
31710 -113516134327 -116701134403 -113767134457 123174127067 123174127070 123174127075 123174127075 123174127077
R*+*+L TXI 8*+*+ TXI 8*+*+ TXI 8*+*+ TXI 8*+*+ TXI 8*+*+ TXI 8*+*+ TXI 8*+*+ TXI 8*+*+
31720 127222127100 000214127101 006160127105 -07272127106 -104171127107 -105112127110 -101370127111 -073371127112
TXI *+*+* TXI *+*+* TXI *+*+* TXI *+*+* TXI *+*+* TXI *+*+* TXI *+*+* TXI *+*+*
31730 -075311127113 -104171127051 -105112127052 000000042036 000001000023 -001066423664 -000003621527 020000000000
P*9*+*2* QJ*+*YR QR*+*YR HTR 0003*7 HTR 00100C HTR *+*+*+ HTR *+*+*+ HTR *+*+*+ HTR *+*+*+
31740 020000000000 020000000000 020000000000 000000000000 000000000000 000000000000 000020000020 055127134533
MPY 200000 MPY 200000 MPY 200000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
31750 056163134737 050221135013 052076135067 200000135143 046105135273 053766135477 177771135627 -104352135703
5/T*+*P* CLS 52*+*0* ZET * 5*+*+* TXI *+*+*+ TXI 4/5*+*+ 5*+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+
31760 -07442136033 -100462136313 -075502130303 -077307130357 -075567130637 -077736130767 -101431131043 000000127055
PWX*+* Q45*+*P P*2*+*33 R*+*+*33 Q*+*+*33 P*+*+*33 P*+*+*33 P*+*+*33 P*+*+*33 TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+
31770 17710127066 177101127061 046570127071 134416127072 176350127076 000000127076 000000127077 -120744127100
TXI *Z*8*Y TXI *Z*8*Y/ TXI 4V*+*Y TXI 4V*+*Y TXI 4V*+*Y TXI 4V*+*Y TXI 4V*+*Y TXI 4V*+*Y
32000 -123164127101 -000536127102 -135330127104 -120744127106 -000536127111 -133111127113 -120744127114 000000032063
-1U*Z1 -5*+*Z2 S*H*+*Z4 -7*+*Z6 -5*+*Z9 S1*9*+*Z* -7*+*Z* HTR 0003*+
32010 000001000024 -000214355514 -0000043353401 020000000000 020000000000 020000000000 020000000000 000000000000
HTR 00100C -7*+*+* -0L*+*11 MPY 200000 MPY 200000 MPY 200000 MPY 200000 HTR 000000 HTR 000000 HTR 000000
32020 000000000000 000000000000 000020000020 103676131117 075274131324 110227131603 102507131657 110510131733
HTR 000000 HTR 000000 HTR 00*00+ TXI 8*+*+ TXI 7*+*+ TXI 92C*+*3 TXI 8E*+* TXI 8E*+* TXI 8E*+* TXI 8E*+*
32030 111121132137 104623132213 035174132276 -110252132343 -116624132417 -000576133027 -110376133103 -074773133233
TXI 99*+*A TXI 80C*+*B 3R(*+*B X R2=*+*L R2=*+*L R2=*+*L R2=*+*L R2=*+*L R2=*+*L R2=*+*L
32040 -112061133363 -112011134047 -116416134253 101743127051 075545127052 075545127053 100003127055 101505127057
R*+*+*+ R*+*+*+ P R*+*+*+ P R*+*+*+ P R*+*+*+ P R*+*+*+ P R*+*+*+ P R*+*+*+ P R*+*+*+ P R*+*+*+ P
32050 075464127062 077542127063 103562127064 -101573127066 -101413127070 -077360127071 -101573127074 -101573127075
PXA 7*U*+*Y TXI 7*U*+*Y TXI 7*U*+*Y TXI 7*U*+*Y TXI 7*U*+*Y TXI 7*U*+*Y TXI 7*U*+*Y TXI 7*U*+*Y
32060 -101413127076 -072577127100 -075407127101 000000032137 000001000025 -0002116*+*343 000001512011 020000000000
2*+*+*+ PE*+*Z*0 PXD P*+*Z*1 HTR 0003*+ HTR 00100E HTR *+*+*+ HTR *+*+*+ HTR *+*+*+ HTR *+*+*+
32070 020000000000 020000000000 020000000000 000000000000 000000000000 000000000000 000020000020 026364134327
MPY 200000 MPY 200000 MPY 200000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
32100 200000134533 027242134607 072610135013 200000135143 124521135347 047631135553 032766136313 -113372136367
TXI *00*+N* 2*+*+*07 7F*+*+0* TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+
32110 -113372130303 -110071130357 -112561130507 -107063131117 -000000131117 -107152131377 -107705131527 200000127111
R*+*+33 R*+*+33 R*+*+33 R*+*+33 R*+*+33 R*+*+33 R*+*+33 R*+*+33 TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+
32120 200000127112 000000127113 000000127114 000000127052 000000127056 200000127061 200000127062 -124123127063
TXI *00*+Z* HTR 000*Z* HTR 000*Z* HTR 000*Y* HTR 000*Y* TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+
32130 -126027127064 -126027127065 -125423127066 -000000127067 -000000127070 -124123127071 -126027127072 000000032213
-G*Y*U -G*Y*U -G*Y*U -G*Y*U -G*Y*U -G*Y*U -G*Y*U -G*Y*U HTR 0003*+ HTR 0003*+ HTR 0003*+ HTR 0003*+
32140 000001000026 -001311546647 -000005442460 020000000000 020000000000 020000000000 020000000000 000000000000
HTR 00100F -*9*+*P -05*+*D MPY 200000 MPY 200000 MPY 200000 MPY 200000 HTR 000000 HTR 000000 HTR 000000
32150 000000000000 000000000000 000020000020 14107131403 177417131733 000000132007 000000132213 200000132547
HTR 000000 HTR 000000 HTR 00*00+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+
32160 037712132623 000000132677 177417133027 -119067133103 -110437133157 -111367133363 -000000133437 -111371335113
3*+*+*+ HTR 000*F*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+
32170 -111311133643 -111370133717 -111370133773 066104127074 167465127075 167465127103 032465127104 000000127106
R*+*+*+ HTR 000*F*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+
32200 06172127110 167465127111 02635127112 -143532127113 -143532127114 -143532127051 -015434127052 -000000127053
6*+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+ TXI *+*+*+

32210 -000041127054 -144532127055 -143532127056 000000032267 000001000027 -001211474740 -000007401663 020000000000
-0JFY* ****Y* ****Y* HTR 00038X HTP 001006 -89PP- -07-01 MPY 200000
32220 020000000000 020000000000 020000000000 000000000000 000000000000 000000000000 000020000000 000020000000 066432134047
MPY 200000 MPY 200000 MPY 200000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
32230 065206134123 067245134177 200000134253 064751134403 067104134533 067410134607 071203134663 -101745135067
6-6=JC 6-N=J0 TIX +00=K5 6PR=M3 624=Y. 618=07 783=0T Q=N=QX
32240 -064550135143 -077260135273 -071517135347 -107330135423 -102407135477 -377270135553 -107036136033 146314127061
QMQ=RL KUN P=-- P=SSP Q, H=0C G02=00 SUN P=f=03 G01=00 HTR 0000Y1 HTR 0000Y1 HTR 0000Y1
32250 146314127062 146314127064 146314127070 146314127072 000000127073 000000127074 000000127076 -102233127100
TIX *T*YYS TIX *T*YYS TIX *T*YYS TIX *T*YYS HTP 0000Y1 HTR 0000Y1 HTR 0000Y1 HTR 0000Y1
32260 -077005127101 -077323127103 -077323127104 -077323127112 -077323127053 -077323127054 -101477127055 000000000000
PY5=Z1 KQL P,C=23 RQL P,C=74 RQL P,C=28 KQL P,C=8Y KQL P,C=8Y KQL P,C=8Y Q=0000 HTR 0003CL
32270 000001000030 0000003373405 -000007040043 020000000000 020000000000 020000000000 020000000000 020000000000
HTR 001000 -63=J5 -0740L MPY 200000 MPY 200000 MPY 200000 MPY 200000 HTR 000000
32300 000000000000 000000000000 000720000020 071607136163 134257136237 122762130303 GC1043130433 132017130563
HTR 000000 HTR 000000 HTR 000000 7=7=7 TIX -R=0=5 TIX 085=33 08L=4. TIX 000=51
32310 076333130767 076625131117 077163131321 -000121131527 -115360131657 -060307131733 -113603132417 -122133132677
LLS 71=7X nRS 7M=90 ARS 7ZT=C 006226127056 124757127061 377176127063 076120127064 124757127065
32320 -102727133103 -103722133233 -135156133363 006226127056 124757127061 377176127063 076120127064 124757127065
QGG=I3 Q=0=0= T 072312127073 -070515127074 -070655127076 -124072127077 -124072127100
32330 124757127067 077176127071 076120127072 -072312127073 -070515127074 -070655127076 -124072127077 -124072127100
TIX 0P=0YX ARS 7Z=0Y2 NOP 71=0Y= PC=0Y1 P5=0Y1 -00000032417 000001000031 000166122346 -00000327117 020000000000
32340 -072312127101 -070515127103 -070655127104 00000032417 000001000031 000166122346 -00000327117 020000000000
PC=0Y2 P5=0Y3 P6=0Y4 HTR 000300 HTR 001001 01L=0C -00=20 MPY 200000
32350 020000000000 020000000000 020000000000 072675513400 072732127054 000000000000 000020000020 131105133437
MPY 200000 MPY 200000 MPY 200000 7F=RIJ 7C=AMC HTR 000000 HTR 000000 TIX 95=J0
32360 075617133513 077312133567 070365133643 075030134123 071534134253 074051134327 076316134403 -115605134607
PCA 7=0=0= 7=0=0= 73V=0L 70M=JC 701=K5 7=RLG LLS 71=0Y3 R=0=07
32370 -074703135143 -121426135217 -111773135347 -000000135553 -065303135627 -117664135757 -125055136033 133557127110
PL3=RL -1F=0= R=,=SP -0C=05 043=0C R0U=00 -0=0= TIX 000=28
32400 125446127112 121234127114 120301127051 133557127052 121234127056 000000127060 000000127061 -100524127062
TIX 000=29 TIX 001=27 TIX 031=0Y 006226127056 124757127061 377176127063 076120127064 124757127065
32410 -07467127063 -071540127066 -105406127072 -106442127073 -071540127074 -100524127076 -07467127077 000000000000
AXL P1K4Y1 P=0YV Q=0Y1 GUK=0Y P=0Y1 G50=0Y AXL P1K4Y1 G50=0Y AXL P1K4Y1 HTR 000300
32420 000001000032 -000757167252 00016065200 020000000000 020000000000 020000000000 020000000000 020000000000
HTR 001000 -7=0=0= HTR 0006=0 MPY 200000 MPY 200000 MPY 200000 MPY 200000 HTR 000000 HTR 000000
32430 000000000000 000000000000 000020000020 10003136107 077026136133 074101136367 077560130303 114725131117
HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
32440 067450131173 074617131247 103656131377 -102401131453 -077300131657 -071362132063 -103322132213 -112145132267
610=9. 7C=0=0P TIX 000=00 Q0I=05 K2L P,0=00 P5=0Y1 Q,0=0= TIX 70=33 TIX 9PE=90
32450 -103541132343 -06131132577 -101751132623 110017127101 110630127103 112420127104 111221127105 110017127107
Q=J=CL Q=9=EP Q=0=FC TIX 90=072 TIX 95M=23 TIX 90=074 TIX 90M=27 TIX 90M=27
32460 110630127110 112420127112 000000127051 -100163127052 -100163127053 -100163127054 -07554127055 -103060127056
TIX 96M=28 TIX 97=0Z8 HTR C00=0YR Q1T=0Y Q1T=0Y Q1T=0Y P=0=0Y AXL P1=0Y0 QH=0Y0
32470 -101175127057 -100163127060 -07554127062 00000032547 000001000033 -001063634123 -000003416224 020000000000
Q9=0Y0 Q1T=0Y HTR 0003EP HTR 001300 -8TJC -03J50 MPY 200000
32500 020000000000 020000000000 020000000000 000000000000 000000000000 000000000000 000000000000 000000000000
MPY 200000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
32510 071106132753 052075133027 052454133103 123711133157 200000133357 051755133437 111167133567 073710133717
796=05 ZET = 5=0=MG 50=0I3 TIX 000=07 TIX 000=07 TIX 000=07 TIX 000=07 TIX 000=07 TIX 000=07 TIX 000=07
32520 -101711133773 -100273134047 -100060134123 -100575134177 -101533134253 -073421134327 -103631134403 000000127064
Q9=0=0 Q2=0=0 STR 00=JC Q5=0=J Q=0=K5 Q=0=K5 PCX P1A=LG Q=0=M3 HTR 0000Y0
32530 200000127065 200000127066 000000127067 000000127070 200000127073 000000127076 200000127102 -126604127103
TIX 000=0Y TIX 000=0Y HTR 000=0Y HTR 000=0Y TIX 000=0Y TIX 000=0Y TIX 000=22 -W4=23
32540 -12727127106 -000000127110 -126604127111 -123217127114 -126604127061 -000000127066 -125124127067 000000000000
000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
32550 000001000034 001230115272 000010005437 020000000000 020000000000 020000000000 020000000000 020000000000
HTR 001001 -0M=0= HTR 0080=0 MPY 200000 MPY 200000 P= 200000 MPY 200000 MPY 200000 HTR 000000
32560 000000000000 000000000000 000020000020 073716134457 017330134607 055414134737 054053135067 200000135143
HTR 000000 HTR 000000 HTR 000000 PAC 7=0=0= 1,4=07 5=0=0= RCHA 5=0=0X TIX 000=RL
32570 200000135217 055414135477 055426135627 -125201135757 -116776136033 -125727136137 -000000136237 -125012136313
TIX 000=0= 5=0=0= F=0=0G X=0=0= -0G=77 -00=50 -00=50 -00=50
32600 -125716130357 -100524130433 -032175110507 166344127070 040541127071 000000127073 140507127075 166344127076
000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
32610 041623127077 000000127102 157773127104 -013600127105 -017533127111 -014334127113 -162733127051 -014334127055
4=C4Y0 HTR 00C=22 TIX 00=074 J=0=24 J=0=24 J=0=24 J=0=24 J=0=24 J=0=24 J=0=24 J=0=24
32620 -162733127056 -162733127057 -162733127060 000000032677 000001000035 -001006617230 -000014064664 020000000000
0G=0Y0 0G=0Y0 0G=0Y0 HTR 0003=0 HTR 001000 -867=0H -06000 000020000020 135377131117
32630 020000000000 020000000000 020000000000 000000000000 000000000000 000000000000 000000000000 000000000000
MPY 200000 MPY 200000 MPY 200000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
32640 047661131173 054671131323 051516131453 100121131657 070724131733 175142132670 055677132473 -101545132547
4=0=9. LCH=0 517=C C 5=0=05 TIX 01A=00 77D=00 TIX 00K=0X 000000 000000 Q=N=EP
32650 -001376132623 -122411132677 -116767132753 -114512133027 -116217133307 -114752133513 -064247133507 124130127062
000000000000 -122411132677 -116767132753 -114512133027 -116217133307 -114752133513 -064247133507 124130127062
32660 115707127062 131260127065 131260127067 123261127071 123645127072 002363127074 002363127075 -075303127100
TIX 007=0Y TIX 008YV TIX 008YV TIX 008YV TIX 008YV TIX 008YV TIX 008YV TIX 008YV
32670 -076402127101 -076402127102 -075351127104 -105672127105 -105211127106 -076402127107 -076402127110 000000032753
BSF PU2=21 PSF PU2=22 P=0Y24 Q=0Y25 Q=0Y25 Q=0Y25 Q=0Y25 Q=0Y25 Q=0Y25 Q=0Y25
32700 000001000036 -000262312552 000027501970 020000000000 020000000000 020000000000 020000000000 020000000000
HTR 001000 -251E= HTR 0006=0Y MPY 200000 MPY 200000 MPY 200000 MPY 200000 MPY 200000 MPY 200000 HTR 000000
32710 000000000000 000000000000 000020000020 060765133643 071077133717 177577133773 073516134047 072023134177
HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000 HTR 000000
32720 077750134457 057277134407 065151135013 -117607135067 -111004135143 -111004135143 -000000135423 -074210135757
PAC 7=0=0= 5=C=0I7 APR=0= R=7=0X RR=0=LL RR=0=SP -00=0C -00=0C PR8=00
32730 -110257136107 -116653136313 -117603130357 000000127111 013124127113 115101127051 137660127055 141770127056
R2=0=7 R4=0=T R4=0=T RF3=0= HTR 0000=9 XCA 11C=2= TIX 9R1=0YX TIX 00=0Y0 TIX 00Y=0Y
32740 115101127057 114431127061 117251127062 -061000127072 -165316127074 -105316127075 -063653127077 -102553127101
TIX 0R1=0Y TIX 9L1=0Y TIX 0R1=0Y TIX 0R1=0Y TIX 0R1=0Y TIX 0R1=0Y TIX 0R1=0Y TIX 0R1=0Y
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32760 020000000000 020000000000 020000000000 050313041400 050460477400 000000000000 000020000020 010427130433
MPY 200000 MPY 200000 MPY 200000 53=4=0 54 P10 HTR 000000 HTR 000000 HTR 000000
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4A=0=57 LLA 50M=5T TIX 400=8L TIX 000=0P MPY = 200=0C 305=05 TIX 000=03
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0J=0X 0J=0X 0J=0X L=0=0= -00=05 0=0=13 081=07 -00=07 TIX 000=03
33010 073003127052 072737127053 164740127054 164740127055 064605127056 000000127057 063166127062 -007201127063
7M=0Y 7M=0Y 7M=0Y TIX 0P=0Y TIX 0P=0Y TIX 0P=0Y TIX 0P=0Y TIX 0P=0Y TIX 0P=0Y TIX 0P=0Y
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JIE=0Y TIX J=0Y2 000000 000000 000000 000000 000000 000000 000000 000000
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HTR 000000 HTR 000000 HTR 000000 TIX 000=0= TIX 000=0= TIX 000=0= TIX 000=0= TIX 000=0=

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	CLA 500-09	PAX 710000	SXD 010000	CLA 500-00	PAX 710000	SXD 010000	CLA 500-00	PAX 710000
74020	-063400173175	050000400014	07340C100000	-063400173172	050000400015	073400100000	-063400173167	050000400016
	SXD 010000	CLA 500-00	PAX 710000	SXD 010000	CLA 500-00	PAX 710000	SXD 010000	CLA 500-00
74030	073400100000	177777174032	063400173132	-063400173136	-063400173153	-063400173161	050000400017	062100073160
	PAX 710000	TXI 000000	SXA 610000	SXD 010000	SXD 010000	SXD 010000	CLA 500-00	STA 6A0701
74040	062100073701	050000400020	062100072734	062100073137	062100073350	062100073574	062100073403	062100073445
	STA 6A0701	CLA 500-00	STA 6A0701	STA 6A0701	STA 6A0701	STA 6A0701	STA 6A0701	STA 6A0701
74050	062100073466	062100073671	050000400021	073400100000	100001174055	-063400173523	-063400173412	002000072732
	STA 6A0701	STA 6A0701	CLA 500-00	PAX 710000	TXI 803000	SXD 010000	SXD 010000	TRA 000000
74060	-063000073072	013000000000	000000075470	000400074044	000310000001	-023400131733	-076267132007	-153535132213
	-0070	TXI 100000	HTR 000000	TXH 040700	036001	Ke 0000	PSX000	000000
74070	-154744132343	-011762132547	-221321132623	-102540132670	-070324132753	-023400133027	-160000133103	-016415133437
	PPM000	JeS=EP	-A=FC	0E=H=0	K3D=GS	Ke 0000	063=13	JU=00
74100	-167567133567	-142176134047	-134475134123	-113545134177	-155545134327	-056444134457	-011762133403	-157363134730
	000000	0A00-P	SP=JK	R0=J0	00=LG	00=H=0	JeS=ML	00=TP
74110	-160170135013	-154667135067	-016415135217	-167057135347	-070706135423	-162415135477	-023400135427	-072242136033
	01V=00	00X=0X	JU=00	0Y=SP	P7=0C	00=00	Ke 0000	PBR=00
74120	-140727130303	-041331130357	-000000130637	-000000130767	-003702131043	-157325131173	-151414131247	-115372131377
	076=33	M=1=30	-00=60	-00=7X	-02=BL	00=90	00=90	R3=00
74130	-132033131657	-016415132063	-151375132417	-034422133157	-141175133773	-153757134253	-132525134403	-160125134607
	00=00	JU=00	00=00	LPM=10	00=00	00=K5	00=K5	00=07
74140	-016415135143	-134044135701	-023400134107	-100433134163	-003702134237	-153346134313	-030601130543	-161444130713
	00=00	S=00	Ke 0000	04=07	-02=50	00=07	USM L61=57	00=07
74150	-1556641323	-105272131527	-003702131603	-036415132137	-030601132473	-030601132473	-023400133307	-003702133340
	00=00	00=00	-02=03	JU=00	USM L61=00	JSM L61=00	Ke 0000	-02=07
74160	-15447133643	-155413135273	-111674135553	000000037067	050002000002	000377777777	-000000000000	002000000000
	00=00	00=00	R=1=03	HTR 000000	HTR 002002	03=00	00=00	TRA 000000
74170	007000000000	174000000000	174000000000	000000000000	177777777400	177777777400	000174000000	100000136443
	TRA 000000	TXI 000000	TXI 000000	HTR 050000	TXI 000000	TXI 000000	011002	TXI 000=UL
74200	-100000136443	000000135627	000000135757	160412134163	000000134313	011707134367	000000130637	012657767
	STR 000=UL	HTR 000=0G	HTR 000=00	TXI 06=07	HTR 000=00	10=7=TX	HTR 000=00	1F=07
74210	000000131043	041120131377	151564131527	123172132213	143752132343	171014132417	000000132547	132750132677
	HTR 000=BL	40=00	TXI 00=0G	TXI 00=00	TXI 00=00	TXI 00=00	HTR 000=EP	TXI 00=00
74220	150102133027	000000133233	000530133307	165611133567	115026133717	145734133773	152270134047	165734134123
	TXI 012=MG	HTR 000=00	05=00	TXI 00=00	TXI 00=00	TXI 00=00	TXI 00=00	TXI 00=00
74230	157172134327	000000134403	167352134533	167352134607	070555134643	150102134737	175710135013	175710135703
	TXI 02=LG	HTR 000=H3	TXI 00=00	TXI 00=00	TXI 00=00	TXI 02=00	TXI 00=00	TXI 00=00
74240	171014134033	000000130563	175710131247	167352131453	155001131657	117700132007	000000132137	127020132267
	TXI 00=00	HTR 000=5T	TXI 00=00	TXI 00=00	TXI 00=00	TXI 00=00	HTR 000=00	TXI 00=00
74250	000000132473	175710132753	012121133343	000000133437	171014133513	156344133643	171014134457	000000135067
	HTR 000=00	TXI 00=00	IAA=07	HTR 000=00	TXI 00=00	TXI 00=00	TXI 00=00	HTR 000=00
74260	000000135143	000000135273	13421315423	000000136107	000000136237	165611130507	000000131603	000000132063
	HTR 000=RL	HTR 000=00	TXI 00=00	HTR 000=07	HTR 000=00	TXI 00=00	HTR 000=00	HTR 000=00
74270	144321132623	000000133103	171014133157	160313134177	157172134253	000000135217	175710135477	-176711135627
	TXI 00=FC	HTR 000=13	TXI 00=00	TXI 00=00	TXI 00=00	TXI 00=00	TXI 00=00	0X=00
74300	-176711135757	-176711136107	-017512136163	-176711136237	-163637136367	-176711130563	-025542130713	-000000131247
	0X=00	0X=00	0X=00	0X=00	0X=00	0X=00	0X=00	00=00
74310	-176711131323	-135012131377	-012063131453	-024527131527	-176711131603	-042421132213	-004717132417	-000000132753
	0X=00	00=00	00=00	KMG=00	0X=00	MDA=00	00=00	00=00
74320	-176711133103	-174410133307	-176711133437	-012634133567	-057631133717	-027645133773	-013450134123	-020004134177
	0X=13	00=00	0X=00	JF1=0X	00=00	00=00	J10=JC	MPR K04=J0
74330	-017240134253	-017240134327	-004717134457	-012063134533	-107055134663	-176711135143	-176711135273	-041162135423
	J=00	J=00	00=00	00=00	00=00	0X=00	0X=00	M95=0C
74340	-000000135553	-176711136313	-176711130303	-001226130357	-012634130507	-162762130767	-176711131043	-023254131657
	00=00	0X=00	0X=00	00=00	00=00	00=00	0X=00	K00=00
74350	-054367132007	-176711132137	-050521132267	-176711132473	-004717133157	-176711133323	-162751133363	-004717133513
	RM=00	0X=00	NSA=0X	0X=00	00=00	0X=00	00=00	00=00
74360	-020655133643	-000000135013	-176711135067	-000000135477	-030171131117	-176711131733	-176711132063	-032042132343
	MFR K00=0L	00=00	0X=00	00=00	DUFA=12=90	0X=00	0X=00	ANA L0K=CL
74370	-176711132547	-025542133027	-175365134403	-025542134737	-012634135347	000001000071	-000000100000	000001000073
	0X=EP	K0K=MG	0X=H3	K0K=00	JF1=0P	000001000107	000000100000	HTR 001000
74400	-000000100000	000001000075	-000000100000	000001000077	-000000100000	000001000107	-000000100000	000001000001
	00=00	HTR 001000	00=00	00=00	HTR 001000	HTR 001000	00=00	HTR 001001
74410	-000000100000	000001000002	-000000100000	000001000004	-000000100000	000001000107	-000000100000	000001000011
	00=00	HTR 001002	00=00	HTR 001004	00=00	HTR 001008	00=00	HTR 001009
74420	-000000100000	000001000022	-000000100000	000001000024	-000000100000	000001000026	-000000100000	000001000030
	00=00	HTR 001008	00=00	HTR 001000	00=00	HTR 00100F	00=00	HTR 00100H
74430	-000000100000	000001000033	-000000100000	000001000043	-000000100000	000001000045	-000000100000	000001000045
	00=00	HTR 001000	00=00	HTR 00100K	00=00	HTR 00100L	00=00	HTR 00100M
74440	-000000100000	000001000047	-000000100000	000001000051	-000000100000	000001000067	-000000100000	000001000070
	00=00	HTR 00100P	00=00	HTR 00100R	00=00	HTR 00100X	00=00	HTR 00100Y
74450	-000000100000	000001000076	-000000100000	000001000012	-000000100000	000001000023	-000000100000	000001000025
	00=00	HTR 001000	00=00	HTR 001000	00=00	HTR 00100C	00=00	HTR 00100E
74460	-000000100000	000001000031	-000000100000	000001000034	000000075066	300400074456	000310000001	254524452563
	00=00	HTR 001001	00=00	HTR 001001	TXH 040700	038001	038001	TIX ENDNET
<p>WORDS 74470 TO 74767 ALL CONTAIN 254524452563 TIX ENDNET</p>								
74770	254524452563	254524452563	254524452563	254524452563	254524452563	254524452563	254524452563	000001000071
	TIX ENDNET	TIX ENDNET	TIX ENDNET	TIX ENDNET	TIX ENDNET	TIX ENDNET	TIX ENDNET	HTR 001002
75000	-000000100000	000001000073	-000000100000	000001000075	-000000100000	000001000077	-000000100000	000001000107
	00=00	HTR 001000	00=00	HTR 001000	00=00	HTR 001000	00=00	HTR 001017
75010	-000000100000	000001000001	-000000100000	000001000002	-000000100000	000001000004	-000000100000	000001000010
	00=00	HTR 001001	00=00	HTR 001002	00=00	HTR 001004	00=00	HTR 001008
75020	-000000100000	000001000011	-000000100000	000001000022	-000000100000	000001000024	-000000100000	000001000026
	00=00	HTR 001004	00=00	HTR 001008	00=00	HTR 001000	00=00	HTR 00100F
75030	-000000100000	000001000030	-000000100000	000001000033	-000000100000	000001000042	-000000100000	000001000043
	00=00	HTR 00100H	00=00	HTR 00100K	00=00	HTR 00100L	00=00	HTR 00100M
75040	-000000100000	000001000045	-000000100000	000001000047	-000000100000	000001000051	-000000100000	000001000051
	00=00	HTR 00100M	00=00	HTR 00100P	00=00	HTR 00100R	00=00	HTR 00100X
75050	-000000100000	000001000070	-000000100000	000001000076	-000000100000	000001000012	-000000100000	000001000023
	00=00	HTR 00100Y	00=00	HTR 001000	00=00	HTR 001004	00=00	HTR 00100C

76620 -11503513567 -11150-115273 -107254135347 -000000135553 -103540135757 -112445136367 -114042130303 0C2103127073
76630 130715127102 130715127103 130715127104 137543127105 137436127106 025663127107 036640127114 -101520127052
76640 -101520127053 -101321127054 -101520127060 -101520127061 -012706127063 -073120127064 -101730127065 00000036163
76650 000001000104 -001062100174 000005714411 020000000000 020000000000 020000000000 020000000000 000000000000
76660 000000000000 000000000000 000020000020 077716130507 106541190563 100275131043 076654111117 076430131177
76670 076643131247 076644131323 076177131453 -076512131657 -077727132267 -077277132417 -101306132547 -100273132623
76700 -100567132753 -076433133103 -101367133233 200000127066 000000127072 000000127076 200000127103 000000127105
76710 000000127107 200000127110 200000127111 200000127112 -127427127152 -123603127113 -126760127051 -123403127055
76720 -122732127056 -127427127052 -000000127067 00000036237 000001000105 -001406740562 -000021127136 020000000000
76730 020000000000 020000000000 020000000000 000000000000 000000000000 000000000000 000000000000 000000000000
76740 200000134123 026261134253 023136134403 177133134533 04377413663 116304134737 071767135143 -126623135217
76750 -124116135423 -130526135703 -000045136033 -000000136163 -124351136237 -127521136313 -122147136367 010474127071
76760 01074127072 137670127074 147457127077 137670127101 137670127102 147457127105 000000127107 -104732127111
76770 -070560127114 -103313127051 -077103127052 -104232127053 -070560127055 -077103127060 -104232127061 00000036313
77000 000001000104 -001341215346 -000025057433 020000000000 020000000000 020000000000 020000000000 020000000000
77070 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
77100 000310000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
77110 200000131043 052302131173 054366131453 154740131527 054363132267 -146413132343 -135231132417 -000573132753
77120 -146275133027 -143773133157 -147051133307 -000000133363 -01577133437 162654127062 142750127063 000000127066
77130 051631127067 162654127076 143613127077 000000127101 051631127103 -002766127104 -000000127105 -114357127106
77140 -131012127107 -131012127107 -131012127052 -114357127052 -131012127052 00000036367 0000001000107 -001451662175
77150 -000015001320 070000000000 020000000000 020000000000 020000000000 020000000000 000000000000 000000000000
77160 000020000020 104725133513 104044133567 076756133643 100063133717 101174134253 102577134327 066736134403
77170 075012134457 -072451134533 -104674134607 -076053134737 -074424135217 -105404135423 -076202135477 -076351135627
77200 -103553136033 116036127061 045725127064 044717127071 04722127072 122776127073 117771127076 120776127101
77210 113165127102 -137710127106 -061771127107 -067600127110 -064773127112 -137710127114 -061771127051 -067700127052
77220 -067600127053 00000036447 000001000110 -000602636427 -000013670073 020000000000 020000000000 020000000000
77230 020000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
77240 076030130507 067372130637 065337131377 112716132007 075457132063 -003070132267 -003070132267 -127416132417
77250 -125570132547 -121035133027 -123371133363 -125620133437 -000262133643 006763127055 113357127057 11152127061
77260 110675127063 113105127064 106752127065 104542127066 104542127067 -003126127070 -003651127071 -122645127073
77270 -124175127100 -122645127101 -125022127102 -125022127103 -125022127104 -00000036655 000000000000 -000706237414
77300 -000000000000 002000000000 002000000000 174000000000 174000000000 206650756400 000000000000 000000000000
77310 000174000002 100000136655 -100000136655 014165130433 200000130637 200000130767 000000131323 200000131377
77320 200000131527 200000131603 173004131733 000000132213 013571132267 173004132547 200000132677 173004133027
77330 200000133157 173004133233 173004133307 200000133363 000000133511 200000133717 000504134173 000000134253
77340 000000134327 000000134607 000000135067 173004135217 000000135347 200000135423 177454135703 014353136033
77350 173004136107 000000136313 173004130563 200000131043 000000131173 000000131453 173004132763 173004132137
77360 000000132343 000000132417 173004132473 173004133437 000000133567 000000133773 002270134403 020371134457
77370 173004134533 000000134737 173004135553 173004135627 006036136367 000000131117 173004132753 006612134177
77400 000531134663 000000135013 173004135143 000000135477 173004136033 022603130357 000000130507 000000130713
77410 002054131657 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000 000000000000
77500 -000001077522 000340000000 000000077562 300016077522 314547020060 -206001026001 026001026060 014060060600
77510 -206006060600 -206006060600 -206044716760 -200160600060 030003606060 -206060606060 -206060606060 -206060606060
77520 -206060606060 -206060606060 000000077502 300016077524 000001000041 -206060606060 -206060606060 -206060606060
77530 -206060606060 -206060606060 -206060606060 -206060606060 -206060606060 -206011111111 111111111111 111111111111
77540 111111111111 111160606060 000000077500 300016077544 -206000073360 006060020333 -200060600205 336006060600
77550 073360060600 021033600060 -000711336000 -204003003360 006060030133 006060030133 336006060600 023360060600

LIST 1a

9 165221 0 8 JOB 362 0.5,5000 65-424,FLAUGHER, J.G.,MANAY

90 UNIT	B	BU	BU	A1	A2	A3	A4	A5	A6	A7	A8	A9	A0	B1	B2	B3	B4	B5	B6	B7
FUNCTION	C D	PGH	PRT	LP1	1V1	701	PP1	CK1	A(9)	A(8)	A(7)	A(6)	UT1	UT2	UT3	UT4	CA2			
40 LOGICAL	3	33	34	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
40 UNIT	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK

90 UNIT	B8	B9	B0	C1	C2	C3	C4	C5	C6	C1	C	D3	D4	D5	D6
FUNCTION															
40 LOGICAL	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
40 UNIT	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK

```

9 165221 0 85-TOP A(9) 226,DISK
9 165221 0 85-TOP A(8) DISK,714
9 165221 0 85-TOP A(7) 1067,DISK
9 165221 0 85-TOP A(4) DISK,1100
9 165221 0 85-TOP 00000,77777,c,DUMP
9 165221 0 85-EXECUTE 18JCB
9 165247 0 85-READY FOR USE.....
9 165247 0 85-UNIT FILE NAME UNIT
9 165247 0 UNIT01 AC
9 165247 0 UNIT03 B6
9 165247 0 UNIT04 A9
9 165247 0 UNIT08 A7
9 165247 0 UNIT09 A6
9 165247 0 UNIT10 A8
9 165247 0 UNIT11 A8
9 165247 0 UNIT12 B7
9 165247 0 FILE2 A9
9 165301 0 85-EXECUTION
9 165303 0 85-INPUT CONVERTED
9 165437 0 85-UNIT A) FILE2 REMOVE REEL 0001

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9 165437 0 85-END OF INPUT. SIMULATION COMPLETE.
9 165438 0 85-START WRITING. LIFT 952 AND PRESS START TO CONTINUE.
9 165439 0 85-1067 LINES OUTPUT.
9 165440 0 85-STOP
9 165440 0 85-STOP
9 165440 0 85-PERIPHERAL FILE POSITIONS, AT END OF JOB
9 165440 0 85-SYSP1 REC. 00001, FILE 00000
9 165440 0 85-SYSP01 REC. 01830, FILE 00000
9 165440 0 85-SYSP1 REC. 00001, FILE 00003
9 165440 0 85-END OF JOB

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Best Available Copy

.ACUT	07706	.ADUT	07717	.LOUT	07745	.DFLT	07756	.FLT	10273
.FKFL1	10400	.FKJ	10404	.FKFL2	10407	.FKFL3	10413	.TNYG	10417
.TOPAC	10435	.WIDTH	10441	.FPACK	10446	.TEST	10447	.KOUNT	10502
.LIST	10505	.CONE	10513	.OUTBF	11202	.CHAR	11434	.FDBF	11447
.CDDFL	11476	.DDFLG	11477	.WCRD	11500	.MOD	11501	.PEX	11502
.FEXP	11503	.DIG	11504	.DEXPN	11505				
.FI0B	11523	.FCNT	11624	.FALT	11722	.FBOT	11742	.FRLR	11768
.FRLR	1117661	.FCLR	12032	.FCLR	12032	.FBIB	12072	.FNITE	12166
.FI0S	12175	.FSL	12335	.FILR	12341	.FRTB	12350	.FRTO	12355
.FILL	12360	.FCLS	12362	.FOPN	12366	.REOF	12377	.TOUT	12535
.REEC	12543	.B1N	12544	.FCY	12545	.FKSZ	12547		
.FI0H	12631	.FFIL	13472	.FRTN	13520				
.FMRD	13672	.FMRC	13672						
.FMRB	13716	.FMRB	13716						
.FR0D	13742	.FRDC	13742						
.FR0B	13770	.FRDR	13770						
.FRN	14014	.FRN	14014						
.UN02	14152	.UN02	14152						
.UN05	14153	.UN05	14153						
.UN06	14154	.UN06	14154	.BUFSZ	14155				
.UN07	14160	.UN07	14160						
.UN13	14161	.UN13	14161						
.UN14	14162	.UN14	14162						
.UN15	14163	.UN15	14163						
.UN16	14164	.UN16	14164						
.UN17	14165	.UN17	14165						
.UN18	14166	.UN18	14166						
.FSQR	14167	.FSQR	14167						
.FBST	14242	.FBST	14242						
.FEFT	14463	.FEFT	14463						
.FRWT	14563	.FRWT	14563						
.FSLBT	14662	.FBLI	14700	.FBDI	14706				
.FSLI	14720	.SLI	14720	.SLI1	14725	.SDI	14733	.SDI1	14741
.FSLDO	14757	.FSLC	14775	.FS00	15003				
.FVIO	15111	.FVIC	15111						
.TDCS	15235	.L(0)	15235	.MONSW	15255	.TEOR	15324	.DEPI	15474
		.CLNS	15467	.ATTG	15502	.SH1	15714	.SH9	15716
		.OP4	16025	.OPT	16056	.OP9.2	16072	.RLSE	16136
		.REAC	16137	.REK1	16162	.WRIT	16164	.MNTIA	16352
		.FEET	16503	.GTIOX	16524	.RW7	16642	.RE7	17261
		.SEL59	17724	.BSR	20235	.EDT0F	20460	.ETDF3	20466
		.TCHX	21016	.BASIO	21021			.JOINX	15450
								.CPFN	1577
								.REP2	16174
								.EDFEX	26433
								.ENDTR	177
								.SWITC	20515

.IOCSM	21022									
1	NETGEN	21022	NETGEN	(21022)	NETGEN	(21022)				
	ISBMAL	31305	ISUMA	31336						
	GENXY1	31360	GENXY	32657						
	PUTRE	32721	PUTREC	32756						
	CONEC	33004	CCNECT	32235						
	RSF111	33350	RSF11	34220						
2	IPTCO	21022	IPTCCN	22524						
3	PETA1	21022	NETAS1	32372						
	IBLDR									
	NETA2	32414	NETAS2	34153						
4	NETSIM	21022	NETSIM	(21022)	NETSIM	(21022)				
	READC	24644	READCC	25256						
	TPCK1	25376	TPCK	25545						
	RDNET1	25573	RDNET	25712						
	WRNET1	25740	WRNET	26067						
	GPRY1	26117	GPRT	26441						
5	DUMMY1	30000	DUMMY1	(30000)						
6	DUMMY2	72460	DUMMY2	(72460)						
	NETCH	72500	NETCHG	73746						

I/C BUFFERS 74060 THRU 77763
 UNUSED CORE CONTROL CARD 77764 THRU 77777
 READUP= 2
 NUMIN= 36
 NAME= 74
 SET
 READY CONTROL CARD
 0000000004INPI MAX 1 0 01 1 -0 -0 -0 -0 -0 -0 -0
 READUP= 2
 NUMIN= 36

4 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -1.47642405

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.6216056	17. 1	0.	18. 1	0.	19. 1	0.557030	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.6363574	24. 1	0.4945638	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.6034672	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5232892	42. 1	0.5177894	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.6185710	48. 1	0.5153725	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.132988	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.4660848	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -1.03826440

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0507903	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	1.05079								

*** 178 INPLT V2 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -1.08041918

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.359278
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.0639796	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	1.1473849	22. 1	0.7033914	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.9236987	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.3916533	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	1.1473603	58. 1	0.4931071	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.1256706
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

3 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -3.49999988

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0246919	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	1.02469								
SUM NC. 2 IS	0.								

*** 179 INPLT H3 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -1.34731396

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.2531261	4. 1	0.6524774	5. 1	0.
6. 1	0.4987153	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.7816653
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.6265058	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1629661	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.777985
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.6242595	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.6855416
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -0.09831855

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0983186	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	1.09832								

*** 180 INPLT V3 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -1.3573758

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.9139456	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.2342539	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.6424759	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6424106	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.7672440	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.8453279
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.5438461	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6340951	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -2.06385168

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9661580	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	0.36616								

*** 184 INPUT V5 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=C000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -0.97900976

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	1.2445824	7. 1	0.	8. 1	1.2006025	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	1.2445798	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.9595034	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -2.74999591

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9397683	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.93977								
SUM NC. 2 IS	0.								

*** 185 INPUT N6 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=C00000000000 INDICT=C00000000000

7 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -1.52698483

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0986603	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.5964970	13. 1	0.	14. 1	0.850060	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.4727929
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.375503	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1224233	37. 1	0.2724626	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.575579	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.6024478
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.5482052	63. 1	0.3712490	64. 1	0.	65. 1	0.7377
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -2.02549051

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9467377	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	0.34694								

*** 186 INPUT V6 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=C00000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.92549717

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.	13. 1	0.	19. 1	0.	25. 1	0.
6. 1	0.	8. 1	0.	14. 1	0.6610711	20. 1	0.	26. 1	0.
11. 1	0.	12. 1	0.	15. 1	0.	21. 1	0.	27. 1	0.
16. 1	0.	17. 1	0.5090115	16. 1	0.	22. 1	0.	28. 1	0.5838415
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	29. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.5838415	25. 1	0.	30. 1	0.
31. 1	0.3395671	32. 1	0.	29. 1	0.	26. 1	0.	31. 1	0.
36. 1	0.	37. 1	0.8916459	30. 1	0.	27. 1	0.	32. 1	0.
41. 1	0.	42. 1	0.	31. 1	0.	28. 1	0.	33. 1	0.
46. 1	0.	47. 1	0.	32. 1	0.	29. 1	0.	34. 1	0.
51. 1	0.3155336	52. 1	0.	33. 1	0.	30. 1	0.	35. 1	0.
56. 1	0.	57. 1	0.	34. 1	0.	31. 1	0.	36. 1	0.
61. 1	0.	62. 1	0.	35. 1	0.	32. 1	0.	37. 1	0.
66. 1	0.	67. 1	0.	36. 1	0.	33. 1	0.	38. 1	0.
71. 1	0.	72. 1	0.	37. 1	0.	34. 1	0.	39. 1	0.
				38. 1	0.	35. 1	0.	40. 1	0.
				39. 1	0.	36. 1	0.	41. 1	0.
				40. 1	0.	37. 1	0.	42. 1	0.
				41. 1	0.	38. 1	0.	43. 1	0.
				42. 1	0.	39. 1	0.	44. 1	0.
				43. 1	0.	40. 1	0.	45. 1	0.
				44. 1	0.	41. 1	0.	46. 1	0.
				45. 1	0.	42. 1	0.	47. 1	0.
				46. 1	0.	43. 1	0.	48. 1	0.
				47. 1	0.	44. 1	0.	49. 1	0.
				48. 1	0.	45. 1	0.	50. 1	0.
				49. 1	0.	46. 1	0.	51. 1	0.
				50. 1	0.	47. 1	0.	52. 1	0.
				51. 1	0.	48. 1	0.	53. 1	0.
				52. 1	0.	49. 1	0.	54. 1	0.
				53. 1	0.	50. 1	0.	55. 1	0.
				54. 1	0.	51. 1	0.	56. 1	0.
				55. 1	0.	52. 1	0.	57. 1	0.
				56. 1	0.	53. 1	0.	58. 1	0.
				57. 1	0.	54. 1	0.	59. 1	0.
				58. 1	0.	55. 1	0.	60. 1	0.
				59. 1	0.	56. 1	0.	61. 1	0.
				60. 1	0.	57. 1	0.	62. 1	0.
				61. 1	0.	58. 1	0.	63. 1	0.
				62. 1	0.	59. 1	0.	64. 1	0.
				63. 1	0.	60. 1	0.	65. 1	0.
				64. 1	0.	61. 1	0.	66. 1	0.8980450
				65. 1	0.	62. 1	0.	67. 1	0.
				66. 1	0.	63. 1	0.	68. 1	0.
				67. 1	0.	64. 1	0.	69. 1	0.
				68. 1	0.	65. 1	0.	70. 1	0.
				69. 1	0.	66. 1	0.	71. 1	0.
				70. 1	0.	67. 1	0.	72. 1	0.
				71. 1	0.	68. 1	0.		
				72. 1	0.	69. 1	0.		
						70. 1	0.		
						71. 1	0.		
						72. 1	0.		

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9044387	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.90444								
SUM NC. 2 IS	0.								

*** 187 INPUT M4 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDIC=000000000000

7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.32698483

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.0988608	13. 1	0.	19. 1	0.	25. 1	0.
6. 1	0.	8. 1	0.	14. 1	0.	20. 1	0.	26. 1	0.
11. 1	0.	12. 1	0.5864790	15. 1	0.5850060	21. 1	0.	27. 1	0.
16. 1	0.	17. 1	0.	16. 1	0.	22. 1	0.	28. 1	0.4727999
21. 1	0.	22. 1	0.	17. 1	0.	23. 1	0.	29. 1	0.
26. 1	0.	27. 1	0.	18. 1	0.	24. 1	0.	30. 1	0.
31. 1	0.3755503	32. 1	0.	19. 1	0.	25. 1	0.	31. 1	0.
36. 1	0.1224253	37. 1	0.2724626	20. 1	0.	26. 1	0.	32. 1	0.
41. 1	0.	42. 1	0.	21. 1	0.	27. 1	0.	33. 1	0.
46. 1	0.	47. 1	0.	22. 1	0.	28. 1	0.	34. 1	0.
51. 1	0.	52. 1	0.	23. 1	0.	29. 1	0.	35. 1	0.
56. 1	0.	57. 1	0.	24. 1	0.	30. 1	0.	36. 1	0.
61. 1	0.	62. 1	0.5482052	25. 1	0.	31. 1	0.	37. 1	0.
66. 1	0.	67. 1	0.	26. 1	0.	32. 1	0.	38. 1	0.
71. 1	0.	72. 1	0.	27. 1	0.	33. 1	0.	39. 1	0.
				28. 1	0.	34. 1	0.	40. 1	0.
				29. 1	0.	35. 1	0.	41. 1	0.
				30. 1	0.	36. 1	0.	42. 1	0.
				31. 1	0.	37. 1	0.	43. 1	0.
				32. 1	0.	38. 1	0.	44. 1	0.577579
				33. 1	0.	39. 1	0.	45. 1	0.
				34. 1	0.	40. 1	0.	46. 1	0.
				35. 1	0.	41. 1	0.	47. 1	0.
				36. 1	0.	42. 1	0.	48. 1	0.
				37. 1	0.	43. 1	0.	49. 1	0.
				38. 1	0.	44. 1	0.	50. 1	0.
				39. 1	0.	45. 1	0.	51. 1	0.
				40. 1	0.	46. 1	0.	52. 1	0.6061478
				41. 1	0.	47. 1	0.	53. 1	0.
				42. 1	0.	48. 1	0.	54. 1	0.
				43. 1	0.	49. 1	0.	55. 1	0.
				44. 1	0.	50. 1	0.	56. 1	0.
				45. 1	0.	51. 1	0.	57. 1	0.
				46. 1	0.	52. 1	0.	58. 1	0.
				47. 1	0.	53. 1	0.	59. 1	0.
				48. 1	0.	54. 1	0.3712490	60. 1	0.
				49. 1	0.	55. 1	0.	61. 1	0.8073775
				50. 1	0.	56. 1	0.	62. 1	0.
				51. 1	0.	57. 1	0.	63. 1	0.
				52. 1	0.	58. 1	0.	64. 1	0.
				53. 1	0.	59. 1	0.	65. 1	0.
				54. 1	0.	60. 1	0.	66. 1	0.
				55. 1	0.	61. 1	0.	67. 1	0.
				56. 1	0.	62. 1	0.	68. 1	0.
				57. 1	0.	63. 1	0.	69. 1	0.
				58. 1	0.	64. 1	0.	70. 1	0.
				59. 1	0.	65. 1	0.	71. 1	0.
				60. 1	0.	66. 1	0.		
				61. 1	0.	67. 1	0.		
				62. 1	0.	68. 1	0.		
				63. 1	0.	69. 1	0.		
				64. 1	0.	70. 1	0.		
				65. 1	0.	71. 1	0.		
				66. 1	0.				
				67. 1	0.				
				68. 1	0.				
				69. 1	0.				
				70. 1	0.				
				71. 1	0.				
				72. 1	0.				

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.02549091

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9869377	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	0.98694								

*** 188 INPUT V6 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDIC=000000000000

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.57104719

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.	13. 1	0.	19. 1	0.	25. 1	0.
6. 1	0.	8. 1	0.	14. 1	0.	20. 1	0.	26. 1	0.
11. 1	0.6256488	12. 1	0.	15. 1	0.	21. 1	0.	27. 1	0.
16. 1	0.	17. 1	0.	16. 1	0.	22. 1	0.	28. 1	0.4281410
21. 1	0.	22. 1	0.	17. 1	0.	23. 1	0.	29. 1	0.
26. 1	0.	27. 1	0.	18. 1	0.	24. 1	0.	30. 1	0.5025675
31. 1	0.1252970	32. 1	0.5444663	19. 1	0.	25. 1	0.	31. 1	0.
36. 1	0.	37. 1	0.	20. 1	0.	26. 1	0.	32. 1	0.
41. 1	0.	42. 1	0.	21. 1	0.	27. 1	0.	33. 1	0.
46. 1	0.	47. 1	0.	22. 1	0.	28. 1	0.	34. 1	0.
51. 1	0.	52. 1	0.	23. 1	0.	29. 1	0.	35. 1	0.
56. 1	0.	57. 1	0.	24. 1	0.	30. 1	0.	36. 1	0.
61. 1	0.5139492	62. 1	0.	25. 1	0.	31. 1	0.	37. 1	0.
66. 1	0.	67. 1	0.	26. 1	0.	32. 1	0.	38. 1	0.
71. 1	0.	72. 1	0.	27. 1	0.	33. 1	0.	39. 1	0.
				28. 1	0.	34. 1	0.	40. 1	0.
				29. 1	0.	35. 1	0.	41. 1	0.
				30. 1	0.	36. 1	0.	42. 1	0.
				31. 1	0.	37. 1	0.	43. 1	0.
				32. 1	0.	38. 1	0.	44. 1	0.
				33. 1	0.	39. 1	0.	45. 1	0.
				34. 1	0.	40. 1	0.	46. 1	0.
				35. 1	0.	41. 1	0.	47. 1	0.
				36. 1	0.	42. 1	0.	48. 1	0.
				37. 1	0.	43. 1	0.	49. 1	0.
				38. 1	0.	44. 1	0.	50. 1	0.
				39. 1	0.	45. 1	0.	51. 1	0.
				40. 1	0.	46. 1	0.	52. 1	0.
				41. 1	0.	47. 1	0.3652047	53. 1	0.

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.37900976

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	1.2445824	7. 1	0.	8. 1	1.2006025	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	1.2445796	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.9595034	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999591

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9397683	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC.	1 IS 0.93977								
SUM NC.	2 IS 0.								

*** 190 INPUT M6 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.53080678

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.4331701	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6773158
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.6896812
46. 1	0.5637475	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.7139251	52. 1	0.6807600	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6501097	68. 1	0.	69. 1	0.6732562	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.99999591

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9470363	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC.	1 IS 0.								
SUM NC.	2 IS 0.94704								

*** 191 INPUT V4 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.17146730

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.4949681	20. 1	0.
21. 1	0.	22. 1	0.8763535	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.9800721	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1510256	37. 1	0.	38. 1	0.7586175	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.9259743	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.8283353	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

7 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -3.12499591

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9851476	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC.	1 IS 0.98515								
SUM NC.	2 IS 0.								

*** 192 INPUT H7 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

3 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -0.71220571

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.	13. 1	C.	19. 1	0.	25. 1	0.
6. 1	0.	8. 1	0.	14. 1	0.	20. 1	0.	26. 1	0.
11. 1	0.	9. 1	0.	15. 1	0.	21. 1	0.	27. 1	0.
16. 1	0.	10. 1	0.	16. 1	0.	22. 1	0.	28. 1	0.
21. 1	0.	11. 1	0.	17. 1	0.	23. 1	0.	29. 1	0.
26. 1	0.	12. 1	0.	18. 1	0.	24. 1	0.	30. 1	0.
31. 1	0.	13. 1	0.	19. 1	0.	25. 1	0.	31. 1	1.0274895
36. 1	1.2228304	14. 1	0.	20. 1	0.	26. 1	0.	32. 1	0.
41. 1	0.	15. 1	0.	21. 1	0.	27. 1	0.	33. 1	0.
46. 1	0.	16. 1	0.	22. 1	0.	28. 1	0.	34. 1	0.
51. 1	0.	17. 1	0.	23. 1	0.	29. 1	0.	35. 1	0.
56. 1	0.	18. 1	0.	24. 1	0.	30. 1	0.	36. 1	0.
61. 1	0.	19. 1	0.	25. 1	0.	31. 1	0.	37. 1	0.
66. 1	0.7440573	20. 1	0.	26. 1	0.	32. 1	0.	38. 1	0.
71. 1	0.	21. 1	0.	27. 1	0.	33. 1	0.	39. 1	0.

6 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -2.74299991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9257502	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUP NC. 1 15	0.92575								
SUP NC. 2 15	0.								

*** 193 INPUT M1 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -1.35737558

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.9139456	13. 1	0.	19. 1	0.	25. 1	0.
6. 1	0.	8. 1	0.	14. 1	C.2342539	20. 1	0.	26. 1	0.
11. 1	0.	9. 1	0.	15. 1	0.	21. 1	0.	27. 1	0.
16. 1	0.	10. 1	0.	16. 1	0.	22. 1	0.	28. 1	0.
21. 1	0.	11. 1	0.	17. 1	0.	23. 1	0.	29. 1	0.
26. 1	0.6424259	12. 1	0.	18. 1	0.	24. 1	0.	30. 1	0.
31. 1	0.	13. 1	0.	19. 1	0.	25. 1	0.	31. 1	0.
36. 1	0.	14. 1	0.	20. 1	0.	26. 1	0.	32. 1	0.
41. 1	0.	15. 1	0.	21. 1	0.	27. 1	0.	33. 1	0.
46. 1	0.	16. 1	0.	22. 1	0.	28. 1	0.	34. 1	0.6424106
51. 1	0.	17. 1	0.	23. 1	0.	29. 1	0.	35. 1	0.
56. 1	0.	18. 1	0.	24. 1	0.	30. 1	0.	36. 1	0.
61. 1	0.	19. 1	0.	25. 1	0.	31. 1	0.	37. 1	0.
66. 1	0.	20. 1	0.	26. 1	0.	32. 1	0.	38. 1	0.8453279
71. 1	0.	21. 1	0.	27. 1	0.	33. 1	0.	39. 1	0.

4 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -2.06285168

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9661560	0. 0	0.	0. 0	0.	0. 0	0.
SUP NC. 1 15	0.								
SUP NC. 2 15	0.96616								

*** 194 INPUT M2 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -1.47648905

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.	13. 1	0.	19. 1	0.	25. 1	0.
6. 1	0.	8. 1	0.	14. 1	0.	20. 1	0.	26. 1	0.
11. 1	0.	9. 1	0.	15. 1	0.	21. 1	0.	27. 1	0.
16. 1	0.6216056	10. 1	0.	16. 1	0.	22. 1	0.	28. 1	0.
21. 1	0.	11. 1	0.	17. 1	0.	23. 1	0.6363574	29. 1	0.
26. 1	0.	12. 1	0.	18. 1	0.	24. 1	0.4345638	30. 1	0.
31. 1	0.	13. 1	0.	19. 1	0.	25. 1	0.6039872	31. 1	0.
36. 1	0.	14. 1	0.	20. 1	0.	26. 1	0.	32. 1	0.
41. 1	0.5232872	15. 1	0.	21. 1	0.	27. 1	0.	33. 1	0.
46. 1	0.	16. 1	0.	22. 1	0.	28. 1	0.	34. 1	0.
51. 1	0.	17. 1	0.	23. 1	0.	29. 1	0.	35. 1	0.
56. 1	0.	18. 1	0.	24. 1	0.	30. 1	0.	36. 1	0.
61. 1	0.	19. 1	0.5177834	25. 1	0.	31. 1	0.	37. 1	0.
66. 1	0.	20. 1	0.6185910	26. 1	0.	32. 1	0.	38. 1	0.
71. 1	0.	21. 1	0.	27. 1	0.	33. 1	0.	39. 1	0.

4 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -1.03986440

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0507905	0. 0	0.	0. 0	0.	0. 0	0.
SUP NC. 1 15	0.								
SUP NC. 2 15	1.05079								

*** 195 INPUT M2 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.34731395

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.2531201	4. 1	0.6574796	5. 1	0.
6. 1	0.4584159	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.7715653
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.6265258	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1628661	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.777885
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.8242535	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.6055416
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.09831255

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0983126	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC.	1 IS	0.							
SUM NC.	2 IS	1.09832							

*** 196 INPUT V3 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.08041918

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.3599279
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.0639796	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	1.1473849	22. 1	0.7033914	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.9236987	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.3916533	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	1.1473603	58. 1	0.4931021	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.1256766
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -3.49999988

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0246918	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC.	1 IS	1.02469							
SUM NC.	2 IS	0.							

*** 197 INPUT H3 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.17862439

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2579659	3. 1	0.2348536	4. 1	0.	5. 1	0.
6. 1	0.6692307	7. 1	0.	8. 1	0.2809451	9. 1	0.1437645	10. 1	0.1804692
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.1601501	15. 1	0.
16. 1	0.0129849	17. 1	0.1971876	18. 1	0.0596554	19. 1	0.	20. 1	0.1242127
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.1557086	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0221657	30. 1	0.2501552
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0892374	35. 1	0.
36. 1	0.	37. 1	0.3245125	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.4213490	43. 1	0.0060296	44. 1	0.	45. 1	0.1193700
46. 1	0.2015054	47. 1	0.	48. 1	0.	49. 1	0.1363431	50. 1	0.0559063
51. 1	0.	52. 1	0.	53. 1	0.0951514	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1803353	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1114508	67. 1	0.2626849	68. 1	0.	69. 1	0.2413419	70. 1	0.0471633
71. 1	0.	72. 1	0.1301181	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.32942342

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC.	1 IS	1.00000							
SUM NC.	2 IS	0.							

*** 198 INPUT H5 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 MS = C.2C000000 BIAS = -1.57204720

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.6515453	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.6256489	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.4281417
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.5625575
31. 1	0.1252920	32. 1	0.5444663	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.5973556	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.3652047	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4287453	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.5139432	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -0.35259332

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	1.000000								

*** 199 INPLT V1 IDENTIFICATION CORRECT
 NINPS=000000000000 NCYES=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -1.34731396

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.2531281	4. 1	0.6524796	5. 1	0.
6. 1	0.4584159	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.7916653
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.6265059	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1628561	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.7777365
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.6242595	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.6855416
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -0.07831855

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0983186	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	1.09832								

*** 200 INPLT V3 IDENTIFICATION CORRECT
 NINPS=000000000000 NCYES=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -1.17146730

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.4949681	20. 1	0.
21. 1	0.	22. 1	0.8763535	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.9800721	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1510256	37. 1	0.	38. 1	0.7586175	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.7259743	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.243353	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

7 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -3.12499991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9851476	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.98515								
SUM NC. 2 IS	0.								

*** 201 INPLT M2 IDENTIFICATION CORRECT
 NINPS=000000000000 NCYES=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.37900976

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	1.2445824	7. 1	0.	8. 1	1.2006025	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	1.2445738	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.9595034	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9377683	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.93777								
SUM NC. 2 IS	0.								

*** 205 INPUT H6 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

7 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.53080678

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.4391701	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6773153
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.6996812
46. 1	0.5637475	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.7139251	52. 1	0.6807600	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6501097	68. 1	0.	69. 1	0.6732562	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.39999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9470363	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	0.34704								

*** 206 INPUT V4 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.35737558

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.9139456	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.2342539	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.6424254	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.644106	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.7692440	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.6453279
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.5438461	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6340351	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.0638168

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9661580	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	0.96616								

*** 207 INPUT V5 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.47641905

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.0216055	17. 1	0.	18. 1	0.	19. 1	0.0557030	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.6353574	24. 1	0.4945638	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0039372	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.5732832	42. 1	0.5177874	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.6185910	48. 1	0.5153723	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.1325888	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.4660348	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.03886440

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0507903	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	1.05079								

*** 2C8 INPLT V2 IDENTIFICATION CORRECT

MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.17862439

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2574659	3. 1	0.2348596	4. 1	0.	5. 1	0.
6. 1	0.0042307	7. 1	0.	8. 1	0.2809451	9. 1	0.1437645	10. 1	0.1804032
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.1601501	15. 1	0.
16. 1	0.0129849	17. 1	0.1971876	18. 1	0.0596554	19. 1	0.	20. 1	0.242127
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.1557086	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0221657	30. 1	0.2501552
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0892374	35. 1	0.
36. 1	0.	37. 1	0.3245125	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.4213490	43. 1	0.0060236	44. 1	0.	45. 1	0.1193700
46. 1	0.2015054	47. 1	0.	48. 1	0.	49. 1	0.1363431	50. 1	0.0559063
51. 1	0.	52. 1	0.	53. 1	0.0851514	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1803553	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1114508	67. 1	0.2628349	68. 1	0.	69. 1	0.2413419	70. 1	0.0471636
71. 1	0.	72. 1	0.1301181	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.92942342

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	1.00000								
SUM NC. 2 IS	0.								

*** 2C9 INPLT M5 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.08041918

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.599278
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.0659776	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	1.1473847	22. 1	0.7033914	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.9236391	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.3716	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	1.1473003	58. 1	0.4931001	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.1256766
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

3 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -3.4999988

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0246918	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC.	1 IS	1.02469							
SUM NC.	2 IS	0.							

*** 210 INPUT M3 INCENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -0.13249859

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.3050635	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.2080116	13. 1	0.	14. 1	0.2390793	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.0414679
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.0572440
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.2601243
31. 1	0.0780247	32. 1	0.0547679	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.1884186	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.5756022	44. 1	0.0930169	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4375194	55. 1	0.1393166
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.3194349	62. 1	0.6548767	63. 1	0.	64. 1	0.	65. 1	0.2329936
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -1.76293433

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0817013	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC.	1 IS	0.							
SUM NC.	2 IS	1.08170							

*** 211 INPUT VL 1 INCENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.76236363

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.2219988	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.1856527	12. 1	0.	13. 1	0.3552541	14. 1	0.	15. 1	0.
16. 1	0.3936562	17. 1	0.	18. 1	0.	19. 1	0.2532777	20. 1	0.2506133
21. 1	0.	22. 1	0.	23. 1	0.1867040	24. 1	0.0525403	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.1744899
31. 1	0.	32. 1	0.3076047	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.3871626	42. 1	0.2524542	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.6703501	48. 1	0.	49. 1	0.4037300	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.1191306	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.0810568	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.3857848	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = 0.84813987

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC.	1 IS	0.							
SUM NC.	2 IS	1.00000							

*** 212 INPUT VL 7 INCENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -0.71191591

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.3799558	5. 1	0.
6. 1	0.0074963	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.3360054
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.1281925	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.4352667	24. 1	0.4745322	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.7707698	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.7116250
41. 1	0.2305164	42. 1	0.2769020	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.0629093	48. 1	0.6781086	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0479347	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.7002039	60. 1	0.4547160
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.1092234	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -1.25714128

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9507047	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC.	1 IS 0.								
SUM NC.	2 IS 0.95070								

*** 213 INPUT VL 13 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -0.72256105

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.7961172	4. 1	0.0165631	5. 1	0.1017264
6. 1	0.2734162	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.4504716
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0624330
16. 1	0.	17. 1	0.	18. 1	0.5948559	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1811075	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.0813018	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.4715677
46. 1	0.4798480	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.4780446	52. 1	0.5301555	53. 1	0.3699E14	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.2481207	70. 1	0.1320917
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -0.63053045

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.
SUM NC.	1 IS 0.						
SUM NC.	2 IS 1.00000						

*** 214 INPUT VL 19 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -0.31303000

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6414149
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.2642612	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.2656238	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.3903382	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.2656719
46. 1	0.1366613	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.6313307
51. 1	0.3159764	52. 1	0.2357405	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.5202575	67. 1	1.0573706	68. 1	0.	69. 1	0.4502560	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = C.01000000 BIAS = -2.49999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0434419	0. 0	0.	0. 0	0.
SUM NC.	1 IS 0.						
SUM NC.	2 IS 1.09344						

*** 215 INPUT VL 25 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 MS = C.20000000 BIAS = -0.51134555

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	1.0178206	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.3573583	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.2070012	13. 1	0.0463749	14. 1	0.1960589	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.1319856	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2119516
26. 1	0.0511964	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1897841	35. 1	0.
36. 1	0.	37. 1	0.2473297	38. 1	0.	39. 1	0.2132333	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.2258436	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.1448356
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.3598727
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.7269236	64. 1	0.1428660	65. 1	0.2557398
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.37996345

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.5772398
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.6379477	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.6506270	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.4302557	33. 1	0.	34. 1	0.	35. 1	0.1518250
36. 1	0.7978107	37. 1	0.	38. 1	0.0643307	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.1025680	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.0436379	64. 1	1.1252791	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.4680491	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.39999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9845240	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.98452								
SUM NC. 2 IS	0.								

*** 220 INPUT HL 2 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.54213248

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.1078246	20. 1	0.
21. 1	0.6138025	22. 1	1.0021327	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.6218961	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.8431067	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.7463893	58. 1	0.1198085	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.4577689	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0583368	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	1.05834								
SUM NC. 2 IS	0.								

*** 221 INPUT HL 3 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.54347049

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.5405315	10. 1	0.3657787
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.4258749	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.5141757	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.9843464	29. 1	0.	30. 1	0.
31. 1	0.2694005	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.3181692	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.2270145	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.3542950	58. 1	0.4664422	59. 1	0.2272169	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.4497262
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.99999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0096029	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	1.00980								
SUM NC. 2 IS	0.								

*** 222 INPUT HL 4 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.17031864

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0002910	3. 1	0.1659021	4. 1	0.	5. 1	0.
+ 6. 1	0.	7. 1	0.	+ 9. 1	0.	10. 1	0.4071325	11. 1	0.5000326
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0440274	15. 1	0.1895399
16. 1	0.1773142	17. 1	0.3216051	18. 1	0.0126937	19. 1	0.	20. 1	0.0235358
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.0607091	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.2272556	30. 1	0.0734020
31. 1	0.3126329	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.7920135	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	+ 42. 1	0.	+ 43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.1072863	47. 1	0.	48. 1	0.	49. 1	0.0265823	50. 1	0.
51. 1	0.2849252	52. 1	0.2513660	53. 1	0.0138897	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
+ 61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
+ 66. 1	0.	67. 1	0.0388265	68. 1	0.	69. 1	0.3998899	70. 1	0.7266371
71. 1	0.	72. 1	0.1113536	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.88965291

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 15	1.00000								
SUM NC. 2 15	0.								

*** 223 INPUT HL 5 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000900000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.22926711

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0817747	3. 1	0.	4. 1	0.	5. 1	0.
- 6. 1	1.0954331	7. 1	0.	- 8. 1	0.8980173	- 9. 1	0.	- 10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0538785	- 15. 1	0.
16. 1	0.	- 17. 1	0.	- 18. 1	0.	19. 1	0.	- 20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.0360485	- 25. 1	0.0778873
26. 1	0.	27. 1	0.	28. 1	0.	- 29. 1	0.	30. 1	0.0287364
31. 1	0.	32. 1	0.	33. 1	0.	- 34. 1	0.0319449	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	- 42. 1	0.9341314	43. 1	0.0439877	44. 1	0.	- 45. 1	0.2803791
46. 1	0.	47. 1	0.	48. 1	0.	- 49. 1	0.	- 50. 1	0.4527160
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1695290	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
- 66. 1	0.6484644	67. 1	0.0200372	68. 1	0.	- 69. 1	0.	- 70. 1	0.
71. 1	0.	- 72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.67959800

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9726555	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 15	0.97266								
SUM NC. 2 15	0.								

*** 224 INPUT HL 6 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.35390979

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.1701413
6. 1	0.	7. 1	0.2485159	8. 1	0.0695006	9. 1	0.2164244	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.1344462	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.3226643	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.0272550	27. 1	0.6774977	28. 1	0.1644213	29. 1	0.	30. 1	0.
31. 1	0.5387843	32. 1	0.	33. 1	0.	34. 1	0.1172507	35. 1	0.5390995
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.4554430	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.3133196	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.2543865	52. 1	0.	53. 1	0.0335648	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.4024778	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.0650727	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.2181649	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.0147142	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.34303324

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0006047	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 15	1.00060								
SUM NC. 2 15	0.								

*** 225 INPUT HL 1-4 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.7493741

Table with 10 columns: COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT. Rows 1-72 showing component values and outputs.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.00699271

Table with 10 columns: COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT. Rows 1-2 showing component values and outputs.

SUM NC. 1 IS 0.9964733
SUM NC. 2 IS 0.99648

*** 226 INPUT HL 3-6 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.06944443

Table with 10 columns: COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT. Rows 1-72 showing component values and outputs.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.47999064

Table with 10 columns: COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT. Rows 1-2 showing component values and outputs.

SUM NC. 1 IS 0.4999972
SUM NC. 2 IS 0.5000000

*** 227 INPUT ZERO IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.06943481

Table with 10 columns: COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT. Rows 1-72 showing component values and outputs.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.49999064

Table with 10 columns: COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT. Rows 1-2 showing component values and outputs.

SUM NC. 1 IS 0.4999400
SUM NC. 2 IS 0.49994

*** 228 INPUT ALL IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

END OF INPUT. SIMULATION COMPLETE.

MAIN TEST IS DONE.

OVERLAY ORIGIN CARDS AND ASSIGNED LINK NUMBERS

SORIGIN	BEGINX	IS LINK	1, PARENT LINK IS	0
SORIGIN	BEGINX	IS LINK	2, PARENT LINK IS	0
SORIGIN	BEGINX	IS LINK	3, PARENT LINK IS	0
SORIGIN	BEGINX	IS LINK	4, PARENT LINK IS	0
SORIGIN	BETAX, 12208	IS LINK	5, PARENT LINK IS	4
SORIGIN	GAMPAX, 30000	IS LINK	6, PARENT LINK IS	5

• MEMORY MAP •

SYSTEM	00000	THRU	02717
FILE BLOCK ORIGIN	02720		
FILES	1. UNIT01		
	2. UNIT03		
	3. UNIT04		
	4. UNIT08		
	5. UNIT09		
	6. UNIT10		
	7. UNIT11		
	8. UNIT12		
	9. FILE2		
	10. UNIT05		
	11. UNIT06		
FILE LIST ORIGIN	03124		
PRE-EXECUTION INITIALIZATION	03152		
CALL ON OBJECT PROGRAM	03203		
OBJECT PROGRAM	03210	THRU	7405,

LINK DECK ORIGIN CONTROL SECTIONS (/NAME/=NON 0 LENGTH, (LDC)=DELETED, **NOT REFERENCED)

0 UN01	03210	.UN01.	03210						
UN03	03211	.UN03.	03211						
UN04	03212	.UN04.	03212						
UN08	03213	.UN08.	03213						
UN09	03214	.UN09.	03214						
UN10	03215	.UN10.	03215						
UN11	03216	.UN11.	03216						
UN12	03217	.UN12.	03217						
MAIN	03220	MAIN	(03220)						
RDCC1	03332	RDCC	03546						
BTOF	03631	BTOF	(03631)	BTOF	(03631)				
BPOINT	03710	BPOINT	(03710)						
.LINK	03744	.LDT /	03744	.LRECT/	03753	.LVEC /	03767		
.LXCON	04005	.LXSTR	04005	.LXSTP	04010	.LXDUT	04056	.LXRTN	04070
		.LXCAL	04073	.LXERR	04073	.DBCLS	04255	.LXARG	04417
		.CLSE	04446	.LFBL	04447	.LUNB	04450	.DFCUT	04451
.IOFF	04455	.DEFIN	04455	.ATTAC	04461	.CLOSE	04463	.OPEN	04465
		.WRITE	04471	.BSR	04501	.READR	04511	.RELES	04513
		.LFBLK	04542	.LTSX	04545	.AREAL	04551	.LUNBL	04565
		.GO	04622	.GO	04626	.DERR	04642	.NOPXT	04643
		.EX34	04667					.COMX1	04645
.LOVRY	04674	.LOVRY	(04674)	.LDT	(03744)	.LRECT	(03753)	.LVEC	(03767)
.LXSL	05253	.LXSEL	05253	LXCSEL	05254	.LXTST	05257	.LXCVL	05317
		.LXIND	05377	.LXDIS	05402	.LXFLG	05403	.LTCM	05404
.FPTRP	05412	.FFPT.	05412	.FPDUT	05547	.FPANG	05559	.COUNT	05557
.ERAS.	05632	E.1	05632	E.2	05633	E.3	05634	E.4	05635
.XCC.	05636	CC.1	05636	CC.2	05637	CC.3	05640	CC.4	05641
XIT	05642	EXIT	05642	.EXIT.	05642				
FXEM	05643	FXEM	(05643)	.FXEM.	05646	.FXGUT	06206	.FXARG	06214
FOUT	06301	.FOUT.	06301					.OPTW./	06270
FCNV	06643	.FCNV.	06643	.FCNV.	06664	.ENDFS	06671	.CNVSW	06674
		.FDX2	06701	.DRC	06703	.DBC10	07034	.DBC20	07072
		.FISW	07105	.DDBC	07143	.DDFLX	07264	.DDRS1	07460
		.D1	07465	.D2	07467	.ANPT	07544	.ONPT	07561
								.LNTP	07637

		.AOUT	07706	.AOUT	07717	.AOUT	07746	.DFLT	07756	.FLT	10273
		.FKFL1	10400	.FXC	10404	.FXFL2	10407	.FXFL3	10413	.INTG	10417
		.TOPAC	10435	.WIDTH	10441	.FPACK	10446	.TEST	10447	.KOUNT	10502
		.LIST	10505	.DONE	10513	.CJTRF	11202	.CHAR	11434	.FDDAF	11447
		.DDCFL	11476	.DDFLG	11477	.WORD	11500	.MOD	11501	.PEX	11502
		.FEXP	11503	.DIG	11504	.DEXPN	11505				
FIOB	11523	.FIOR.	11523	.FCNT	11624	.FBLT.	11722	.FBCT.	11742	.FRLR.	11766
		.FRLR.	(11766)	.FMLR.	12032	.FMLR.	(12032)	.FBIBF	12072	.FRITF	12166
FIOUS	12175	.FIOS.	12175	.FSFL.	12335	.FILR.	12341	.FRTB.	12350	.FRTD.	12355
		.FILL.	12360	.FCLS	12362	.FOPN	12366	.REOF	12372	.TOUT.	12355
		.RELD	12543	.BIN	12544	.FCT	12545	.FCKSZ	12547		
FIOH	12631	.FIOH.	12631	.FFIL.	13472	.FRTN.	13520				
FWRD	13672	.FWRD.	13672								
FWRB	13716	.FWRB.	13716								
FRDD	13742	.FRDD.	13742								
FRDR	13770	.FRDR.	13770								
FPRN	14014	.FPRN.	14014								
.UN02.	14152	.UN12.	(14152)								

UN05	14153	.UN05.	14153								
UN06	14154	.UN06.	14154	.BUFSZ	14155						
.UN07.	14160	.UN07.	(14160)								
.UN13.	14161	.UN13.	(14161)								
.UN14.	14162	.UN14.	(14162)								
.UN15.	14163	.UN15.	(14163)								
.UN16.	14164	.UN16.	(14164)								
.UN17.	14165	.UN17.	(14165)								
.UN18.	14166	.UN18.	(14166)								
FSQW	14167	SQRT	14167								
FBSI	14242	.FBSI.	14242								
FEFT	14463	.FEFT.	14463								
FRWT	14563	.FRWT.	14563								
FSLN1	14662	.FBLI.	14700	.FBDI.	14706	.					
FSLI	14720	.SLI.	14720	.SLI1.	14725	.SDI.	14733	.SDI1.	14741		
FSLD0	14757	.FSLU.	14775	.FSD0.	15003	.					
FSLB0	15014	.FRLU.	15032	.FBD0.	15040	.					
FSL0	15052	.SLU.	15052	.SLD2.	15060	.SDU.	15065	.SDC2.	15077		
FVJU	15111	.FVJU.	15111								
.I0CS	15235	.L10)	15235	.M0ASW	15255	.TECR	15324	.DEFI.	15404	.JOIRI	15450
		.CLUS.	15467	.ATTC.	15502	.SMI	15714	.SM9	15756	.OPEN.	15777
		.UP4	16025	.OP7	16056	.OP9.2	16077	.RICE.	16136	.RER2.	16136
		.READ.	16137	.RER1.	16152	.MRT.	16164	.MRT:A	16352	.E0FER	16433
		.FEET	16503	.GTIOX	16524	.Rw7	16602	.RE7	17261	.ENDTR	17722
		.SEL59	17724	.9SR.	20335	.EUTUF	20462	.ETOF3	20466	.SWTC	20515
		.TCHEX	21016	.BASIO	21021	.					

.I0CSM	21022										
1	NETGEN	21022	NETGEN (21022)	NETGEN	(21022)						
	ISUMA1	31305	ISUMA	31336							
	GEMXY1	31360	GEMXY	32657							
	PURRE	32721	PURREC	32756							
	CONLC	33004	CUNFCT	33235							
	RSF111	33350	RSF11	34220							
2	IPIC0	21022	IPTCLM	22524							
3	META1	21022	NETAS1	32372							

IBLER

12/01/65

NETA2	32414	NETA52	34153								
4	NETSIP	21022	NETSIM (21022)	NETSIM	(21022)						
	READC	24644	RFADCC	25256							
	TPCK1	25376	TPCK	25545							
	RDNET1	25573	RDNET	25712							
	WRTNF1	25740	WRTNET	26067							
	GPRT1	26117	GPRT	26441							
5	DUMMY1	30000	DUMMY1 (30000)								
6	DUMMY2	72460	DUMMY2 (72460)								
	NETCH	72500	NETCMC	73746							

I/O BUFFERS 74060 THRU 77763

UNUSED CORE 77764 THRU 77777

CONTROL CARD
READOP= 2
NUMIN= 36
NAMES= 60

EYS=000005000020
SM=7

READY CONTROL CARD

0000000004INPL MAX 1 0 01 1 -0 -0 -0 -0 -0 -0 -0 -0
READOP= 2
NUMIN= 36
NAMES= 60
MINPS=000000000000 NCYCS=000000000000 INDICT=000C00000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.08044232

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1.	C.	2.	0.	3.	G.	4.	0.	5.	1.	0.	0.
6.	1.	7.	0.3333501	8.	0.4475074	9.	0.	10.	1.	0.	0.
11.	1.	12.	0.4015893	13.	0.0208633	14.	0.2502513	15.	1.	0.	0.
16.	1.	17.	0.	18.	1.	0.	19.	1.	0.	20.	0.0638344
21.	1.	22.	0.	23.	1.	0.	24.	1.	0.	25.	0.1754895
26.	1.	27.	0.0218149	28.	1.	0.	29.	1.	0.	30.	0.2458469
31.	1.	32.	0.	33.	0.1474593	34.	0.0002137	35.	1.	0.3907708	0.
36.	1.	37.	0.	38.	1.	0.	39.	1.	0.	40.	1.
41.	1.	42.	0.0088070	43.	1.	0.	44.	1.	0.3593034	45.	1.
46.	1.	47.	0.	48.	1.	0.	49.	1.	0.	50.	0.0735799
51.	1.	52.	0.	53.	1.	0.	54.	1.	0.3016426	55.	1.
56.	1.	57.	0.	58.	1.	0.	59.	1.	0.	60.	1.
61.	1.	62.	0.2267457	63.	1.	0.	64.	1.	0.	65.	0.1014857
66.	1.	67.	0.4649386	68.	1.	0.	69.	1.	0.	70.	1.
71.	1.	72.	1.	73.	0.	0.	0.	0.	0.	0.	0.

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.5922070

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.2905075	2. 2	0.6272621	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.29051								
SUM NO. 2 IS	0.62726								

*** 175 INPUT P1 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.07845935

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.2766152
6. 1	0.	7. 1	0.3585547	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	C.	12. 1	0.3169867	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.0089837	20. 1	0.0786079
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2290180
26. 1	C.	27. 1	0.0196443	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.1497540	32. 1	0.3485848	33. 1	0.1814199	34. 1	0.	35. 1	0.
36. 1	0.5179350	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	C.	42. 1	0.	43. 1	0.1950213	44. 1	0.3290240	45. 1	0.
46. 1	C.	47. 1	0.	48. 1	0.0062157	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.3545232	55. 1	0.0748130
56. 1	0.0577080	57. 1	0.	58. 1	0.	59. 1	0.1923181	60. 1	0.
61. 1	0.2965910	62. 1	0.2721045	63. 1	0.2098902	64. 1	0.3182543	65. 1	0.3789845
66. 1	0.1919714	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.48436207

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	C.								
SUM NO. 2 IS	1.00000								

*** 176 INPUT P2 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.1676820	2. 1	0.	3. 1	0.	4. 1	0.0353805	5. 1	0.0395342
6. 1	0.0009945	7. 1	0.1927487	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.3970370	12. 1	0.1345330	13. 1	0.0306475	14. 1	0.0402042	15. 1	0.
16. 1	C.	17. 1	0.0325555	18. 1	0.0075360	19. 1	0.0422920	20. 1	0.2151960
21. 1	0.0079753	22. 1	0.0559394	23. 1	0.	24. 1	0.	25. 1	0.0487482
26. 1	0.	27. 1	0.0124537	28. 1	0.0482847	29. 1	0.	30. 1	0.1135738
31. 1	0.2097942	32. 1	0.5741672	33. 1	0.2493844	34. 1	0.	35. 1	0.0450324
36. 1	0.0671886	37. 1	0.0052608	38. 1	0.0374851	39. 1	0.	40. 1	C.
41. 1	0.0707378	42. 1	0.	43. 1	0.3889384	44. 1	0.0358977	45. 1	0.
46. 1	0.	47. 1	0.0072048	48. 1	0.	49. 1	0.3756314	50. 1	0.
51. 1	C.	52. 1	0.	53. 1	0.0555534	54. 1	0.3342110	55. 1	0.3365052
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1250846	62. 1	0.3782814	63. 1	0.0876938	64. 1	0.	65. 1	0.1194843
66. 1	0.	67. 1	0.	68. 1	0.0070361	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

0 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0649773	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.06497								

*** 177 INPUT P3 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.05116734

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2210876	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.3757808	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.2178422	12. 1	0.0408087	13. 1	0.0080232	14. 1	0.3426167	15. 1	0.
16. 1	0.	17. 1	0.0586957	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	C.	27. 1	0.	28. 1	0.0843828	29. 1	0.	30. 1	0.0652983
31. 1	0.4289425	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.0058894
36. 1	0.0351793	37. 1	0.0522036	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0290461	42. 1	0.	43. 1	0.2941271	44. 1	0.3059603	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.0614251	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.2661169	55. 1	0.3245498
56. 1	C.	57. 1	0.	58. 1	0.4758270	59. 1	0.1305175	60. 1	0.
61. 1	0.3114738	62. 1	0.3011461	63. 1	0.1095820	64. 1	0.	65. 1	0.4687771
66. 1	C.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.64484833

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.	2. 2	1.0000000	0. C	C.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	0.00000								

*** 178 INPUT P4 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.01136500

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.2201412	2. 1	0.	3. 1	0.0365251	4. 1	0.1005882	5. 1	0.
6. 1	0.	7. 1	0.2167034	8. 1	0.	9. 1	0.0060186	10. 1	0.
11. 1	0.1305842	12. 1	0.0257458	13. 1	0.0485473	14. 1	0.4665451	15. 1	0.
16. 1	C.	17. 1	0.	18. 1	0.0072603	19. 1	0.0037563	20. 1	0.1939778
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.0529798
26. 1	0.	27. 1	0.0132539	28. 1	0.	29. 1	0.	30. 1	0.4661755
31. 1	C.4505514	32. 1	0.1539593	33. 1	0.	34. 1	0.0076583	35. 1	0.0402594
36. 1	C.0685923	37. 1	0.4734399	38. 1	0.	39. 1	0.0128480	40. 1	0.
4. 1	0.	42. 1	0.	43. 1	0.3098053	44. 1	0.0003126	45. 1	0.0110738
46. 1	0.	47. 1	0.0677392	48. 1	0.	49. 1	0.4366270	50. 1	0.
51. 1	C.	52. 1	0.	53. 1	0.0168561	54. 1	0.	55. 1	0.1583936
56. 1	0.	57. 1	0.	58. 1	0.0246106	59. 1	0.	60. 1	0.0775342
61. 1	C.	62. 1	0.1183682	63. 1	0.0304597	64. 1	0.0092115	65. 1	0.0150339
66. 1	C.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	C.0422658	72. 1	0.0474654	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.40760504

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4793544	2. 2	0.5206456	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.47935								
SUM NO. 2 IS	0.52065								

*** 179 INPUT P5 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.01069500

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.0547450	5. 1	0.
6. 1	C.	7. 1	0.1459049	8. 1	0.	9. 1	0.	10. 1	0.0013675
11. 1	0.1282017	12. 1	0.3928392	13. 1	0.0583434	14. 1	0.0714323	15. 1	0.
16. 1	0.0091254	17. 1	0.0724117	18. 1	0.0440022	19. 1	0.0027208	20. 1	0.
21. 1	0.0206460	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.3283762
26. 1	0.	27. 1	0.0393907	28. 1	0.	29. 1	0.	30. 1	0.6540114
31. 1	0.2824948	32. 1	0.	33. 1	0.	34. 1	0.0413264	35. 1	0.0804775
36. 1	C.0845570	37. 1	0.1366353	38. 1	0.0294246	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.2940480	44. 1	0.0829022	45. 1	0.
46. 1	C.	47. 1	0.0251542	48. 1	0.1026443	49. 1	0.0055581	50. 1	0.
51. 1	C.	52. 1	0.	53. 1	0.0115517	54. 1	0.	55. 1	0.1090489
56. 1	C.0889909	57. 1	0.	58. 1	0.0692196	59. 1	0.	60. 1	0.0331565
61. 1	0.4107447	62. 1	0.3429891	63. 1	0.1176801	64. 1	0.0270203	65. 1	0.4537373
66. 1	0.	67. 1	0.0115611	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	C.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.12229033

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.	2. 2	0.4321921	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	C.								
SUM NO. 2 IS	0.43219								

*** 180 INPUT P6 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.1913250	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	C.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.4156863	12. 1	0.	13. 1	0.3153994	14. 1	0.	15. 1	0.
16. 1	0.0303679	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.1677250
21. 1	C.	22. 1	0.	23. 1	0.0717875	24. 1	0.	25. 1	0.0911699
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.3247805
31. 1	C.	32. 1	0.0955655	33. 1	0.2333006	34. 1	0.0414448	35. 1	0.4301085
36. 1	0.0323088	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	C.	42. 1	0.4345862	43. 1	0.0121586	44. 1	0.	45. 1	0.
46. 1	C.	47. 1	0.3976672	48. 1	0.3229434	49. 1	0.2947955	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0066917	54. 1	0.	55. 1	0.
56. 1	C.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.0323235
61. 1	0.2676084	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	C.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.1140118	72. 1	0.3127783	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 1.12500000

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4757774	2. 2	0.5160377	0. C	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.47578								
SUM NO. 2 IS	0.51604								

*** 181 INPUT P7 IDENTIFICATION INCORRECT.

MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.26000000 BIAS = -0.03177479

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.0503761
6. 1	C.	7. 1	0.3674664	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	C.3194061	12. 1	0.0224925	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.2656092	17. 1	0.	18. 1	0.	19. 1	0.6092778	20. 1	0.0141916
21. 1	C.	22. 1	0.1664415	23. 1	0.0543534	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.0161452
31. 1	C.	32. 1	0.5931783	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.6975773	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.0528664	43. 1	0.3067189	44. 1	0.0346972	45. 1	0.
46. 1	0.0070129	47. 1	0.3529757	48. 1	0.	49. 1	0.3391232	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0212890	54. 1	0.2545165	55. 1	0.
56. 1	0.0634644	57. 1	0.1157784	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.0078439	62. 1	0.0121945	63. 1	0.	64. 1	0.4908419	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.0072941	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.52133514

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.00000								
SUM NO. 2 IS	C.								

*** 182 INPUT P8 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.0780265

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.0568534	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.3728836	12. 1	0.	13. 1	0.2762107	14. 1	0.	15. 1	0.
16. 1	C.2760267	17. 1	0.	18. 1	0.	19. 1	0.5152497	20. 1	0.0537126
21. 1	0.4788977	22. 1	0.0897269	23. 1	0.2539342	24. 1	0.2174535	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.0933529	29. 1	0.	30. 1	0.1926707
31. 1	C.	32. 1	0.4644635	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.0106431	39. 1	0.	40. 1	0.
41. 1	0.2012518	42. 1	0.0223304	43. 1	0.1758732	44. 1	0.	45. 1	0.
46. 1	C.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	C.	57. 1	0.5143319	58. 1	0.4405428	59. 1	0.	60. 1	0.
61. 1	0.2312409	62. 1	0.	63. 1	0.	64. 1	0.0606584	65. 1	0.
66. 1	C.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.1762360	72. 1	0.1865615	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.31532975

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.00000								
SUM NO. 2 IS	C.								

*** 183 INPUT P9 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.01418813

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1394686	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.3193034	8. 1	0.	9. 1	0.	10. 1	0.0638386
11. 1	0.0359000	12. 1	0.1042012	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.0020661	18. 1	0.	19. 1	0.0906438	20. 1	0.2476017
21. 1	C.5688863	22. 1	0.	23. 1	0.3896149	24. 1	0.0352959	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1013630	29. 1	0.2764679	30. 1	0.2430377
31. 1	0.1303627	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	C.	37. 1	0.	38. 1	0.	39. 1	0.0101602	40. 1	0.0623191
41. 1	0.3070224	42. 1	0.0263355	43. 1	0.0317470	44. 1	0.	45. 1	0.
46. 1	0.0176275	47. 1	0.3227131	48. 1	0.2717501	49. 1	0.0117440	50. 1	0.
51. 1	C.	52. 1	0.	53. 1	0.	54. 1	0.3089729	55. 1	0.
56. 1	C.0700446	57. 1	0.4734905	58. 1	0.	59. 1	0.0089342	60. 1	0.0536378
61. 1	C.1010449	62. 1	0.	63. 1	0.	64. 1	0.0048029	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.4391337
71. 1	C.0471931	72. 1	0.1164660	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 1.03562553

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.1661590	7. 2	0.7949166	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.16616								
SUM NO. 2 IS	0.79492								

*** 184 INPUT P10 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.04057965

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0422056	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.0077478	8. 1	0.	9. 1	0.0537164	10. 1	0.
11. 1	0.3670586	12. 1	0.	13. 1	0.2725553	14. 1	0.	15. 1	0.0153148
16. 1	0.4258984	17. 1	0.0532933	18. 1	0.0835448	19. 1	0.0337337	20. 1	0.3099904
21. 1	0.	22. 1	0.0548117	23. 1	0.1254021	24. 1	0.3708003	25. 1	0.
26. 1	0.0120056	27. 1	0.0045567	28. 1	0.0265609	29. 1	0.4366512	30. 1	0.0315865
31. 1	0.	32. 1	0.0764505	33. 1	0.	34. 1	0.0175516	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.1399300
41. 1	0.3266486	42. 1	0.0224686	43. 1	0.0073234	44. 1	0.	45. 1	0.
46. 1	0.0089206	47. 1	0.4430697	48. 1	0.	49. 1	0.1157689	50. 1	0.
51. 1	0.0121267	52. 1	0.0011173	53. 1	0.0555500	54. 1	0.	55. 1	0.
56. 1	0.0400342	57. 1	0.0294007	58. 1	0.	59. 1	0.0475724	60. 1	0.0575249
61. 1	0.0055439	62. 1	0.0304404	63. 1	0.	64. 1	0.0128209	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.0123756	69. 1	0.	70. 1	0.5507514
71. 1	0.1389021	72. 1	0.4015356	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.91523375

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 185 INPUT P11 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1929049	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.3119065	7. 1	0.2912695	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.3340922	12. 1	0.	13. 1	0.0995388	14. 1	0.	15. 1	0.
16. 1	0.3181178	17. 1	0.	18. 1	0.0029720	19. 1	0.	20. 1	0.2655009
21. 1	0.	22. 1	0.	23. 1	0.0109646	24. 1	0.2754310	25. 1	0.0576485
26. 1	0.0571118	27. 1	0.	28. 1	0.	29. 1	0.0656511	30. 1	0.0310435
31. 1	0.	32. 1	0.1012591	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.2169019	42. 1	0.4776081	43. 1	0.0094791	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.0727908	48. 1	0.	49. 1	0.3641346	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.0032171	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.2993459	62. 1	0.	63. 1	0.	64. 1	0.0104319	65. 1	0.
66. 1	0.0213845	67. 1	0.	68. 1	0.0023715	69. 1	0.	70. 1	0.0637824
71. 1	0.2224175	72. 1	0.3512702	0. 0	0.	0. 0	0.	0. 0	0.

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.79928857

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4799681	2. 2	0.5737432	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.47997								
SUM NO. 2 IS	0.57374								

*** 186 INPUT P12 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2099175	2. 1	0.0167866	3. 1	0.	4. 1	0.1585976	5. 1	0.0079855
6. 1	0.3516213	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0095063
16. 1	0.0724716	17. 1	0.	18. 1	0.0473911	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.0743347	24. 1	0.3570318	25. 1	0.0760004
26. 1	0.	27. 1	0.4179134	28. 1	0.	29. 1	0.4247914	30. 1	0.0244260
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.0017253	39. 1	0.	40. 1	0.3080146
41. 1	0.	42. 1	0.4770267	43. 1	0.	44. 1	0.	45. 1	0.0548501
46. 1	0.	47. 1	0.3592523	48. 1	0.3443830	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.0371417	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.1359948	59. 1	0.0535819	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0230967	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.0408673
71. 1	0.1362363	72. 1	0.3399095	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.31706005

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.174291	2. 2	0.9000279	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.17429								
SUM NO. 2 IS	0.90003								

*** 187 INPUT P13 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.2430225	2. 1	0.	3. 1	0.0314950	4. 1	0.2581502	5. 1	0.3589764
6. 1	0.0181264	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.2973677	17. 1	0.0666786	18. 1	0.0146085	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.0047556	23. 1	0.3359415	24. 1	0.0828838	25. 1	0.
26. 1	0.0694306	27. 1	0.4954993	28. 1	0.	29. 1	0.0225958	30. 1	0.
31. 1	0.0289903	32. 1	0.	33. 1	0.0217416	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.0308586	40. 1	0.2846960
41. 1	0.0036910	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.0150087	48. 1	0.4244090	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.0571532	53. 1	0.0261630	54. 1	0.0591629	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.2423999	59. 1	0.4053597	60. 1	0.3522446
61. 1	0.0236529	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.5415801	69. 1	0.	70. 1	0.0915318
71. 1	0.0424495	72. 1	0.3774140	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 1.25524932

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0479210	2. 2	0.0484478	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.04792								
SUM NO. 2 IS	0.04845								

*** 188 INPUT P14 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.02949449

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.0245991	10. 1	0.3081993
11. 1	0.	12. 1	0.0299700	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.2228148	17. 1	0.4547420	18. 1	0.3422332	19. 1	0.0633599	20. 1	0.1167156
21. 1	0.0441979	22. 1	0.0494517	23. 1	0.	24. 1	0.3153084	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.0645523	29. 1	0.4283698	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.3087595
41. 1	0.3206376	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.0110394
46. 1	0.	47. 1	0.0058175	48. 1	0.3160100	49. 1	0.0165612	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.3414933	57. 1	0.4026866	58. 1	0.	59. 1	0.	60. 1	0.2880403
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.2006412
71. 1	0.0762161	72. 1	0.2667255	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.96427420

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2800421	2. 2	0.6322777	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.28004								
SUM NO. 2 IS	0.63228								

*** 189 INPUT P15 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.04757160

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.0330955	4. 1	0.1810780	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.5955889	10. 1	0.5205836
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.2402894	17. 1	0.4228160	18. 1	0.2620386	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.1104824	23. 1	0.3185233	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.4948283	29. 1	0.	30. 1	0.
31. 1	0.1624326	32. 1	0.	33. 1	0.0241863	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.2694974
41. 1	0.0191635	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.0141244	47. 1	0.2865625	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.4583526	58. 1	0.	59. 1	0.2088281	60. 1	0.3714537
61. 1	0.	62. 1	0.0038762	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.1357943
71. 1	0.0117814	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.08442743

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0849225	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.08492								
SUM NO. 2 IS	0.								

*** 190 INPUT P16 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.03910349

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.0046823	3. 1	0.0711631	4. 1	0.2405007	5. 1	0.0847244
6. 1	0.0077704	7. 1	0.	8. 1	0.0234071	9. 1	0.	10. 1	0.3608308
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0397109	15. 1	0.0315048
16. 1	0.0117998	17. 1	0.0183729	18. 1	0.1236387	19. 1	0.1808563	20. 1	0.
21. 1	0.	22. 1	0.0770740	23. 1	0.0748649	24. 1	0.3163400	25. 1	0.1169275
26. 1	0.	27. 1	0.0545119	28. 1	0.1245554	29. 1	0.4614416	30. 1	0.0227711
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.0442981	38. 1	0.0300356	39. 1	0.	40. 1	0.4341403
41. 1	0.3241582	42. 1	0.0565854	43. 1	0.	44. 1	0.0021863	45. 1	0.1641427
46. 1	0.0605227	47. 1	0.0898363	48. 1	0.0057479	49. 1	0.	50. 1	0.
51. 1	0.0614493	52. 1	0.0161084	53. 1	0.4418350	54. 1	0.	55. 1	0.
56. 1	0.1107346	57. 1	0.0062396	58. 1	0.0454762	59. 1	0.2209688	60. 1	0.0483549
61. 1	0.0207855	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.0626122	68. 1	0.0083623	69. 1	0.0910713	70. 1	0.0713691
71. 1	0.2561790	72. 1	0.0157772	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.45565137

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 191 INPUT P17 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.1042508	5. 1	0.0270723
6. 1	0.3323503	7. 1	0.	8. 1	0.0077012	9. 1	0.	10. 1	0.0131286
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0043430
16. 1	0.0060349	17. 1	0.	18. 1	0.0423563	19. 1	0.329347	20. 1	0.0871303
21. 1	0.	22. 1	0.	23. 1	0.3722595	24. 1	0.2194597	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.4043518	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.0436567	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.2646258	42. 1	0.5544167	43. 1	0.	44. 1	0.	45. 1	0.0665540
46. 1	0.0116642	47. 1	0.0194090	48. 1	0.2878634	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.3340414	54. 1	0.	55. 1	0.
56. 1	0.0146111	57. 1	0.0213024	58. 1	0.0788746	59. 1	0.2264583	60. 1	0.2495590
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0224454	67. 1	0.	68. 1	0.	69. 1	0.0095331	70. 1	0.0270652
71. 1	0.2600813	72. 1	0.0507092	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.65341164

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.0683435	2. 2	0.9066555	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.06834								
SUM NO. 2 IS	0.90666								

*** 192 INPUT P18 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.4042544	4. 1	0.3616820	5. 1	0.4427870
6. 1	0.5670610	7. 1	0.	8. 1	0.	9. 1	0.0014337	10. 1	0.0300750
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.0046639	15. 1	0.1037348
16. 1	0.0390560	17. 1	0.	18. 1	0.0054141	19. 1	0.	20. 1	0.
21. 1	0.0514373	22. 1	0.	23. 1	0.0462441	24. 1	0.	25. 1	0.
26. 1	0.0130329	27. 1	0.5082468	28. 1	0.	29. 1	0.0352265	30. 1	0.
31. 1	0.0467633	32. 1	0.	33. 1	0.	34. 1	0.0340663	35. 1	0.4377842
36. 1	0.0502381	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.0123121
41. 1	0.	42. 1	0.0119011	43. 1	0.	44. 1	0.0212057	45. 1	0.0861404
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.0354373
51. 1	0.1452775	52. 1	0.1218787	53. 1	0.4675354	54. 1	0.0452628	55. 1	0.0186255
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0384647	60. 1	0.315876
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0304456	67. 1	0.009077	68. 1	0.0434873	69. 1	0.0415143	70. 1	0.0563839
71. 1	0.2745415	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.08291328

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0829132	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.08291								
SUM NO. 2 IS	0.								

*** 193 INPUT P19 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1027952	2. 1	0.	3. 1	0.	4. 1	0.2644539	5. 1	0.4363750
6. 1	0.0314421	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.0221493
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0596969
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.5161009	20. 1	0.
21. 1	0.0169745	22. 1	0.3095799	23. 1	0.1168147	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0601938	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.0491574	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.3125527	39. 1	0.0140904	40. 1	0.0073364
41. 1	0.	42. 1	0.0041425	43. 1	0.	44. 1	0.0378107	45. 1	0.4146816
46. 1	0.3903523	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.0325587
51. 1	0.1327858	52. 1	0.4047422	53. 1	0.3419479	54. 1	0.	55. 1	0.
56. 1	0.0058948	57. 1	0.1003548	58. 1	0.0404166	59. 1	0.0450947	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.0941855	65. 1	0.
66. 1	0.0575757	67. 1	0.1665184	68. 1	0.0717046	69. 1	0.5012389	70. 1	0.0490408
71. 1	0.	72. 1	0.0174147	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.35001703

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.6499830	2. 2	0.2604354	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.64998								
SUM NO. 2 IS	0.26044								

*** 194 INPUT P20 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.0820161	4. 1	0.2910515	5. 1	0.
6. 1	0.0498565	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.4389783
11. 1	0.	12. 1	0.	13. 1	0.0153441	14. 1	0.0162441	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.2887908	19. 1	0.0194689	20. 1	0.
21. 1	0.0897162	22. 1	0.5635881	23. 1	0.0255922	24. 1	0.0078678	25. 1	0.0013960
26. 1	0.	27. 1	0.	28. 1	0.3697817	29. 1	0.0545387	30. 1	0.
31. 1	0.0039122	32. 1	0.1054296	33. 1	0.	34. 1	0.	35. 1	0.0551469
36. 1	0.	37. 1	0.0113563	38. 1	0.4580454	39. 1	0.0072450	40. 1	0.0055102
41. 1	0.0281412	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.0761999
46. 1	0.4680506	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.3423898	52. 1	0.	53. 1	0.0016906	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.0695948	58. 1	0.0800906	59. 1	0.	60. 1	0.3261748
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.1414250	68. 1	0.	69. 1	0.0789244	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.36151509

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.00000								
SUM NO. 2 IS	0.								

*** 195 INPUT P21 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

3 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.14428176

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.3469862	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.3767779	10. 1	0.3448856
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.3783226	18. 1	0.1807112	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.3462526	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.3166624	38. 1	0.	39. 1	0.	40. 1	0.1778363
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.3613330
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.3669756	52. 1	0.2867993	53. 1	0.1587048	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.3420710	59. 1	0.1762026	60. 1	0.1248032
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.3800240
71. 1	0.0904397	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.09124850

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.6912485	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.09125								
SUM NO. 2 IS	C.								

*** 196 INPUT P22 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1149236	2. 1	0.	3. 1	0.4523360	4. 1	0.	5. 1	0.0268294
6. 1	0.0577685	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.4222672
11. 1	C.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.4586455
16. 1	0.	17. 1	0.	18. 1	0.3411289	19. 1	0.0064203	20. 1	0.0851142
21. 1	0.0342396	22. 1	0.0245427	23. 1	0.0845122	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.0914859	29. 1	0.1063664	30. 1	0.
31. 1	0.0105619	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.0746141
36. 1	0.	37. 1	0.0038320	38. 1	0.3340286	39. 1	0.	40. 1	0.1102048
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.0027989	45. 1	0.1217371
46. 1	0.5792515	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.0155015
51. 1	0.1266979	52. 1	0.4512397	53. 1	0.	54. 1	0.0504176	55. 1	0.
56. 1	0.0394959	57. 1	0.0668293	58. 1	0.	59. 1	0.0253515	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.0282796	65. 1	0.
66. 1	0.0746556	67. 1	0.1235827	68. 1	0.0269361	69. 1	0.4025128	70. 1	0.4227958
71. 1	0.	72. 1	0.0596725	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.09790410

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0979041	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	C.								
SUM NO. 2 IS	1.09790								

*** 197 INPUT P23 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=C00000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.01249187

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0339816	2. 1	0.0551682	3. 1	0.3761644	4. 1	0.0076964	5. 1	0.0268548
6. 1	0.4500217	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.0422340
11. 1	0.	12. 1	0.	13. 1	0.0654950	14. 1	0.0242791	15. 1	0.4563883
16. 1	0.	17. 1	0.0123915	18. 1	0.5598026	19. 1	0.	20. 1	0.
21. 1	0.0738717	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.0487233
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.0037339
31. 1	0.0313021	32. 1	0.	33. 1	0.0809175	34. 1	0.0278729	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.0362659	39. 1	0.	40. 1	0.3864021
41. 1	0.	42. 1	0.0427180	43. 1	0.0749561	44. 1	0.0407468	45. 1	0.4874924
46. 1	0.1069068	47. 1	0.	48. 1	0.	49. 1	0.0355767	50. 1	0.0759937
51. 1	0.3095938	52. 1	0.0792035	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.0909964	57. 1	0.0841599	58. 1	0.	59. 1	0.0028685	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1459567	67. 1	0.1607826	68. 1	0.0264907	69. 1	0.1758832	70. 1	0.0377224
71. 1	0.0143574	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.45259164

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 198 INPUT P24 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.3818591
6. 1	0.	7. 1	0.	8. 1	0.1381809	9. 1	0.	10. 1	0.
11. 1	C.	12. 1	0.	13. 1	0.0577387	14. 1	0.	15. 1	0.4668285
16. 1	0.	17. 1	0.	18. 1	0.0130334	19. 1	0.	20. 1	0.
21. 1	0.0548353	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.2656659	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.0413961	32. 1	0.	33. 1	0.0321978	34. 1	0.3496574	35. 1	0.0407103
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.2807640	40. 1	0.0247027
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.3504419
46. 1	0.3317878	47. 1	0.	48. 1	0.	49. 1	0.0401525	50. 1	0.1912070
51. 1	0.1940402	52. 1	0.0426961	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.2268329	57. 1	0.	58. 1	0.0172194	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.0047706	64. 1	0.	65. 1	0.0013127
66. 1	0.0383461	67. 1	0.0801575	68. 1	0.0539884	69. 1	0.4352046	70. 1	0.
71. 1	0.1384759	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.35303195

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 197 INPUT P25 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.01451519

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.0700136	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.0589041	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.4442096
16. 1	0.0357803	17. 1	0.0281943	18. 1	0.	19. 1	0.0247053	20. 1	0.
21. 1	0.0293611	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.4721901	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.0073756	33. 1	0.0472306	34. 1	0.1508920	35. 1	0.4461165
36. 1	0.	37. 1	0.0515581	38. 1	0.2351436	39. 1	0.3964945	40. 1	0.
41. 1	0.	42. 1	0.0322476	43. 1	0.	44. 1	0.	45. 1	0.3155037
46. 1	0.0295144	47. 1	0.	48. 1	0.0589111	49. 1	0.0853480	50. 1	0.0994926
51. 1	0.2057637	52. 1	0.0821016	53. 1	0.	54. 1	0.1029007	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.2194409	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.3640863	65. 1	0.
66. 1	0.3459385	67. 1	0.3693633	68. 1	0.	69. 1	0.4465099	70. 1	0.
71. 1	0.2359638	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.37348147

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.7836051	2. 2	0.1684891	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.78361								
SUM NO. 2 IS	0.16849								

*** 200 INPUT P26 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0612954	3. 1	0.2503348	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.0732740	9. 1	0.	10. 1	0.0173701
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0351800
16. 1	0.	17. 1	0.0243668	18. 1	0.	19. 1	0.0673601	20. 1	0.0146904
21. 1	0.1132393	22. 1	0.4389287	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.3182527	27. 1	0.	28. 1	0.0191902	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.2535643	35. 1	0.
36. 1	0.	37. 1	0.0732816	38. 1	0.4174326	39. 1	0.1031260	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.0227631	47. 1	0.	48. 1	0.0179693	49. 1	0.	50. 1	0.3382671
51. 1	0.0050989	52. 1	0.4910060	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.3412934	57. 1	0.3416016	58. 1	0.003756	59. 1	0.0280343	60. 1	0.
61. 1	0.	62. 1	0.0604279	63. 1	0.3554624	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.3023788	68. 1	0.4715604	69. 1	0.0262478	70. 1	0.0776238
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.09755276

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9024472	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.90245
SUM NO. 2 IS 0.

*** 201 INPUT P27 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0279100	3. 1	0.	4. 1	0.	5. 1	0.0127060
6. 1	0.	7. 1	0.	8. 1	0.0469284	9. 1	0.	10. 1	0.1507325
11. 1	0.	12. 1	0.	13. 1	0.0451448	14. 1	0.	15. 1	0.3287297
16. 1	0.0337874	17. 1	0.0159397	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.1257387	22. 1	0.0735120	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.2304092	27. 1	0.	28. 1	0.4311123	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1250919	35. 1	0.0364613
36. 1	0.	37. 1	0.0375751	38. 1	0.0506107	39. 1	0.4143524	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.0760497	44. 1	0.	45. 1	0.1929177
46. 1	0.1073257	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2998096
51. 1	0.5384678	52. 1	0.4703158	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.4654170	57. 1	0.	58. 1	0.	59. 1	0.0115887	60. 1	0.
61. 1	0.	62. 1	0.0132895	63. 1	0.061349	64. 1	0.	65. 1	0.0006018
66. 1	0.0178184	67. 1	0.5109549	68. 1	0.	69. 1	0.1494742	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.71227647

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	15	0.	2	2	1.0000000	0	0	0.	0	0	0.
2	15	1.00000									

*** 202 INPUT P28 IDENTIFICATION INCORRECT. MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.00937173

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	1	0.	2	1	0.0956367	3	1	0.1269631	4	1	0.
6	1	0.	7	1	0.	8	1	0.0110842	9	1	0.5998345
11	1	0.	12	1	0.	13	1	0.0342822	14	1	0.0503891
16	1	0.0018049	17	1	0.4776801	18	1	0.0613128	19	1	0.
21	1	0.0067036	22	1	0.	23	1	0.	24	1	0.
26	1	0.2358526	27	1	0.0552829	28	1	0.	29	1	0.
31	1	0.1773746	32	1	0.	33	1	0.3040043	34	1	0.2782845
36	1	0.	37	1	0.0434943	38	1	0.0098220	39	1	0.0196209
41	1	0.	42	1	0.	43	1	0.0314920	44	1	0.
46	1	0.	47	1	0.	48	1	0.	49	1	0.
51	1	0.4316191	52	1	0.1061339	53	1	0.	54	1	0.
56	1	0.0548407	57	1	0.	58	1	0.	59	1	0.
61	1	0.	62	1	0.0646185	63	1	0.0797082	64	1	0.
66	1	0.0197985	67	1	0.4558397	68	1	0.0177910	69	1	0.4853137
71	1	0.	72	1	0.	0	0	0.	0	0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.37053813

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	2	0.2834089	2	2	0.7165912	0	0	0.	0	0	0.
1	15	0.28341	2	15	0.71659						

*** 203 INPUT P29 IDENTIFICATION INCORRECT. MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

0 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	1	0.0924669	2	1	0.3308225	3	1	0.1727017	4	1	0.
6	1	0.1258449	7	1	0.	8	1	0.6045682	9	1	0.
11	1	0.	12	1	0.	13	1	0.1704336	14	1	0.
16	1	0.0077668	17	1	0.	18	1	0.	19	1	0.
21	1	0.	22	1	0.	23	1	0.0346712	24	1	0.0649121
26	1	0.	27	1	0.	28	1	0.	29	1	0.
31	1	0.	32	1	0.	33	1	0.2994298	34	1	0.0126076
36	1	0.	37	1	0.	38	1	0.	39	1	0.0554100
41	1	0.	42	1	0.0801457	43	1	0.	44	1	0.0537999
46	1	0.3686823	47	1	0.	48	1	0.	49	1	0.
51	1	0.1521217	52	1	0.1315226	53	1	0.	54	1	0.0976104
56	1	0.	57	1	0.	58	1	0.	59	1	0.0196549
61	1	0.	62	1	0.	63	1	0.0411477	64	1	0.
66	1	0.6647930	67	1	0.4612690	68	1	0.	69	1	0.1171800
71	1	0.	72	1	0.0215704	0	0	0.	0	0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.37744735

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	2	0.	2	2	1.0000000	0	0	0.	0	0	0.
1	15	0.	2	15	1.00000						

*** 204 INPUT P30 IDENTIFICATION INCORRECT. MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = 0.01323741

SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT	SUM NO.	COMP.	OUTPUT
1	1	0.0860425	2	1	0.4812523	3	1	0.	4	1	0.0134928
6	1	0.0287593	7	1	0.	8	1	0.4799076	9	1	0.0454346
11	1	0.	12	1	0.3240686	13	1	0.1737823	14	1	0.3555056
16	1	0.0476957	17	1	0.	18	1	0.	19	1	0.
21	1	0.	22	1	0.	23	1	0.0121474	24	1	0.0295398
26	1	0.3619265	27	1	0.0548061	28	1	0.	29	1	0.
31	1	0.0864151	32	1	0.0137554	33	1	0.	34	1	0.3704964
36	1	0.0104298	37	1	0.0247635	38	1	0.0087157	39	1	0.3756021
41	1	0.0100824	42	1	0.0750198	43	1	0.0325108	44	1	0.0060546
46	1	0.0190204	47	1	0.0119039	48	1	0.	49	1	0.0392970
51	1	0.0777730	52	1	0.0300170	53	1	0.0609482	54	1	0.0199589
56	1	0.0001897	57	1	0.	58	1	0.	59	1	0.
61	1	0.	62	1	0.0490961	63	1	0.0733705	64	1	0.
66	1	0.0548006	67	1	0.1016474	68	1	0.0118146	69	1	0.
71	1	0.	72	1	0.	0	0	0.	0	0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.36541057

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.1068942	2. 2	0.8931018	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.10690								
SUM NO. 2 IS	C.89310								

*** 205 INPUT P31 IDENTIFICATION INCORRECT.
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.03248352

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2898872	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.1161068	9. 1	0.4785332	10. 1	0.
11. 1	0.	12. 1	0.0346324	13. 1	0.4761647	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.1580805	23. 1	0.	24. 1	0.	25. 1	0.3029837
26. 1	0.2724101	27. 1	0.0594715	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.0274872	32. 1	0.	33. 1	0.0103953	34. 1	0.	35. 1	0.4119089
36. 1	0.5190942	37. 1	0.0305568	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.0494941	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.1075410	49. 1	0.	50. 1	0.0174294
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.3484335
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.0552301
61. 1	0.	62. 1	0.	63. 1	0.4445002	64. 1	0.3185126	65. 1	0.0309540
66. 1	0.	67. 1	0.	68. 1	0.4926444	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

0 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9344958	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.93450								
SUM NO. 2 IS	0.								

*** 206 INPUT P32 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.00831455

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.4247367	3. 1	0.017785	4. 1	0.0314356	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.209576	9. 1	0.0205541	10. 1	0.
11. 1	0.	12. 1	0.0398496	13. 1	0.	14. 1	0.4021838	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.0562562	20. 1	0.
21. 1	0.4268590	22. 1	0.4330059	23. 1	0.0019017	24. 1	0.	25. 1	0.0180789
26. 1	0.0475029	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.0658514	33. 1	0.2367256	34. 1	0.0137479	35. 1	0.0325866
36. 1	0.0093103	37. 1	0.0987166	38. 1	0.4166094	39. 1	0.0925953	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.2983858	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.0993809	49. 1	0.	50. 1	0.3937432
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1010903	55. 1	0.2234373
56. 1	0.	57. 1	0.0501827	58. 1	0.0529937	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.0447701	63. 1	0.0516174	64. 1	0.385060	65. 1	0.0710819
66. 1	0.	67. 1	0.0128640	68. 1	0.4696501	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.0306686	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.30080928

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.00000								
SUM NO. 2 IS	0.								

*** 207 INPUT P33 IDENTIFICATION CORRECT
MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

1 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.01095322

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.1004168	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.1392233	9. 1	0.	10. 1	0.0034168
11. 1	0.	12. 1	0.0603736	13. 1	0.	14. 1	0.0585559	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.5622575	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.3634401
26. 1	0.2016337	27. 1	0.	28. 1	0.0250154	29. 1	0.	30. 1	0.0275324
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.2718730	35. 1	0.
36. 1	0.0063941	37. 1	0.6145633	38. 1	0.0268955	39. 1	0.3977320	40. 1	0.0224094
41. 1	0.0650588	42. 1	0.	43. 1	0.	44. 1	0.2359225	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.0837644	49. 1	0.0581471	50. 1	0.0459703
51. 1	0.0691967	52. 1	0.	53. 1	0.	54. 1	0.0047312	55. 1	0.3242506
56. 1	0.	57. 1	0.0700366	58. 1	0.0512579	59. 1	0.	60. 1	0.
61. 1	0.0741131	62. 1	0.2761558	63. 1	0.4919273	64. 1	0.0705097	65. 1	0.4799696
66. 1	0.	67. 1	0.0327283	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.40547254

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.2266326	2. 2	O.7733674	0. C	U.	G. 0	C.	0. C	0.
SUM NO. 1 IS	O.22663								
SUM NO. 2 IS	O.77337								

*** 208 INPUT P34 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.70000000 BIAS = 0.04578547

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.072726	2. 1	O.4373269	3. 1	O.0685935	4. 1	O.1231986	5. 1	O.0351619
6. 1	O.	7. 1	O.0570248	8. 1	O.0642718	9. 1	O.0606417	10. 1	O.
11. 1	C.0784971	12. 1	O.3575040	13. 1	O.3512016	14. 1	O.1200734	15. 1	O.
16. 1	O.0493867	17. 1	O.	18. 1	O.	19. 1	O.	20. 1	O.
21. 1	O.0038582	22. 1	O.	23. 1	C.C112192	24. 1	O.	25. 1	O.0305720
26. 1	O.1018485	27. 1	O.0519169	28. 1	O.	29. 1	O.0381459	30. 1	O.0009963
31. 1	O.1252275	32. 1	O.0301418	33. 1	O.0255399	34. 1	O.0645448	35. 1	O.1653402
36. 1	C.0784953	37. 1	C.5196477	38. 1	O.	39. 1	O.	40. 1	O.0068909
41. 1	O.	42. 1	O.0592295	43. 1	O.0463659	44. 1	O.1107005	45. 1	O.
46. 1	O.0500596	47. 1	O.	48. 1	O.0833750	49. 1	O.0520026	50. 1	O.1370161
51. 1	O.0624988	52. 1	O.0706083	53. 1	O.0312244	54. 1	O.0657939	55. 1	O.1365455
56. 1	C.	57. 1	O.	58. 1	O.0707466	59. 1	O.0839442	60. 1	C.
61. 1	O.0744687	62. 1	O.0512476	63. 1	O.3957583	64. 1	O.0013753	65. 1	O.0351905
66. 1	C.0328155	67. 1	O.0525609	68. 1	O.	69. 1	O.0793328	70. 1	C.0681056
71. 1	O.0335309	72. 1	O.	0. C	O.	0. 0	O.	0. 0	C.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.45268787

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.3814329	2. 2	O.5473121	0. 0	O.	0. 0	O.	0. 0	O.
SUM NO. 1 IS	C.38143								
SUM NO. 2 IS	O.54731								

*** 209 INPUT P35 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.05075543

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	O.0266498	2. 1	O.4992020	3. 1	O.	4. 1	O.	5. 1	O.
6. 1	O.	7. 1	O.	8. 1	O.5233152	9. 1	C.	10. 1	O.
11. 1	C.	12. 1	O.2855928	13. 1	C.1502907	14. 1	O.2488071	15. 1	O.
16. 1	O.	17. 1	O.	18. 1	O.	19. 1	O.	20. 1	O.
21. 1	O.	22. 1	O.	23. 1	O.	24. 1	O.	25. 1	O.2820206
26. 1	C.	27. 1	O.	28. 1	O.	29. 1	O.	30. 1	O.
31. 1	O.0102546	32. 1	O.	33. 1	C.	34. 1	O.3757602	35. 1	O.0474431
36. 1	C.	37. 1	O.1060402	38. 1	O.	39. 1	O.3029374	40. 1	O.
41. 1	O.0088683	42. 1	O.0276018	43. 1	O.	44. 1	C.3166616	45. 1	O.
46. 1	C.	47. 1	O.	48. 1	O.	49. 1	O.	50. 1	O.5354106
51. 1	O.	52. 1	O.	53. 1	O.	54. 1	O.	55. 1	O.2081619
56. 1	C.	57. 1	O.	58. 1	O.	59. 1	O.	60. 1	O.
61. 1	C.	62. 1	O.2271226	63. 1	O.4060170	64. 1	O.0040192	65. 1	O.4161410
66. 1	O.0086017	67. 1	O.1011022	68. 1	O.	69. 1	O.	70. 1	O.
71. 1	O.	72. 1	O.	0. C	O.	0. 0	O.	0. C	O.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.89343648

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	O.	2. 2	1.0000000	0. 0	O.	0. 0	O.	0. 0	O.
SUM NO. 1 IS	C.								
SUM NO. 2 IS	1.00000								

*** 210 INPUT P36 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.54865877

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	O.	3. 1	O.	4. 1	O.	5. 1	O.
6. 1	O.	7. 1	C.	8. 1	O.	9. 1	O.	10. 1	O.1189424
11. 1	C.	12. 1	O.	13. 1	O.	14. 1	O.	15. 1	O.4605529
16. 1	O.0427031	17. 1	O.	18. 1	O.	19. 1	O.	20. 1	O.
21. 1	O.	22. 1	O.6946464	23. 1	O.2642154	24. 1	O.	25. 1	O.
26. 1	O.6604893	27. 1	O.	28. 1	O.3113212	29. 1	O.	30. 1	O.
31. 1	O.	32. 1	O.	33. 1	O.	34. 1	O.0607975	35. 1	O.
36. 1	C.	37. 1	O.	38. 1	O.1521446	39. 1	O.2907435	40. 1	O.
41. 1	C.	42. 1	O.	43. 1	O.	44. 1	O.	45. 1	O.0381390
46. 1	O.5287522	47. 1	O.	48. 1	O.	49. 1	O.	50. 1	O.
51. 1	C.0818090	52. 1	O.5093076	53. 1	O.	54. 1	O.	55. 1	O.
56. 1	O.	57. 1	O.	58. 1	O.	59. 1	O.	60. 1	O.
61. 1	O.	62. 1	O.	63. 1	O.	64. 1	O.	65. 1	O.
66. 1	O.	67. 1	O.3489577	68. 1	O.4003244	69. 1	O.4671158	70. 1	O.0290535
71. 1	O.0143492	72. 1	O.	0. 0	O.	0. 0	O.	0. 0	O.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.48743062

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.	2. 2	1.0000000	0. C	0.	0. 0	0.	0. C	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.000000								

*** 211 INPUT LSV1 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.75177230

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.5921825	3. 1	0.2541274	4. 1	0.	5. 1	0.1115025
6. 1	0.	7. 1	0.	8. 1	0.2265454	9. 1	0.2968510	10. 1	0.
11. 1	0.	12. 1	0.3122111	13. 1	0.	14. 1	0.4105478	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.0670152	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.2208572	39. 1	0.5342366	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.4143136	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.6865578
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.2953705	64. 1	0.	65. 1	0.1284386
66. 1	0.0829384	67. 1	0.2637190	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. C	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.07997490

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.	2. 2	1.0799749	0. C	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.07997								

*** 212 INPUT LSV2 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.66230544

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.0297430	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.0330231	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.0345262	12. 1	0.	13. 1	0.2649058	14. 1	0.2167720	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.0594852
21. 1	0.6607743	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.1670495	33. 1	0.	34. 1	0.4290897	35. 1	0.
36. 1	0.4156978	37. 1	0.4092469	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.1562604	44. 1	0.1416458	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.3446606	50. 1	0.6418549
51. 1	0.0773300	52. 1	0.	53. 1	0.	54. 1	0.1357894	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.0330918	62. 1	0.0890259	63. 1	0.	64. 1	0.4223102	65. 1	0.1377257
66. 1	0.1508006	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. C	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.08319206

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0881921	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.08819								
SUM NO. 2 IS	0.								

*** 213 INPUT LSV3 IDENTIFICATION CORRECT
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.61337610

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.4281536	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.5465094	12. 1	0.	13. 1	0.0958039	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.3783448
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.6969973	25. 1	0.4175547
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.2046208
31. 1	0.	32. 1	0.2539404	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.3664491	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.4173677	49. 1	0.3090332	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.1559330	63. 1	0.2394520	64. 1	0.4729343	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. C	0.	0. 0	0.	0. 0	0.

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.34614914

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 214 INPUT LSV6 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCVCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.58045171

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1911804	2. 1	0.	3. 1	0.	4. 1	0.4872106	5. 1	0.
6. 1	0.0630735	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.0737293
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.4108033	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1709650	24. 1	0.0631264	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.6942176	30. 1	0.2240697
31. 1	0.057724P	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.2278590
41. 1	0.1654841	42. 1	0.2557901	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.4019685	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.6505603	54. 1	0.1070033	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.3142743
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.8148713	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 MS = 0.01000000 BIAS = 0.36567809

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 215 INPUT LSV5 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCVCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.66416448

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.6735401	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.2810207
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.2545117
16. 1	0.0328507	17. 1	0.0001051	18. 1	0.5647585	19. 1	0.0483775	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0778116	42. 1	0.1190397	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.4457397	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.1354002
51. 1	0.	52. 1	0.2404207	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.3769035	57. 1	0.5427629	58. 1	0.2167728	59. 1	0.	60. 1	0.3984125
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.0546878
71. 1	0.3034280	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 MS = 0.01000000 BIAS = 0.61582139

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4405384	2. 2	0.6030282	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.44054								
SUM NO. 2 IS	0.60303								

*** 216 INPUT LSV4 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCVCS=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.07876988

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.6397855	3. 1	0.3158454	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.0918316
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.0510892	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.3160746	27. 1	0.	28. 1	0.1357551	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.6604940	39. 1	1.0324846	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.0419142
51. 1	0.	52. 1	0.1618875	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.6635474	68. 1	0.1571355	69. 1	0.4426384	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 MS = 0.01000000 BIAS = -0.18921552

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 217 INPUT LSV3 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCVCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.38695425

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.6729663	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.1871097	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.2036375	13. 1	0.	14. 1	0.6546973	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	C.	32. 1	0.	33. 1	0.	34. 1	0.1648001	35. 1	0.
36. 1	C:1147139	37. 1	0.2917489	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.6391526	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.6977886
51. 1	C.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.6320369
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	C.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.3247871
66. 1	C:2551402	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	C.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.38695960

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.	2. 2	1.0000000	0. C	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.000000								

*** 218 INPUT LLSV2 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.30060437

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.5375746	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	C:5889238	12. 1	0.	13. 1	0.4517921	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.4789272
21. 1	0.0343987	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2017772
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	C.	32. 1	0.4424241	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.4878803	44. 1	0.	45. 1	0.
46. 1	C.	47. 1	0.	48. 1	0.	49. 1	0.6911187	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.0010440	55. 1	0.
56. 1	0.	57. 1	C.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	C.	62. 1	0.1997000	63. 1	0.	64. 1	0.7647169	65. 1	0.0064252
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 1.89382842

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.0871903	2. 2	0.9200946	0. C	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	C:08719								
SUM NO. 2 IS	0.92009								

*** 219 INPUT LLSV3 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.07545422

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	C.	7. 1	0.1753570	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.3323208	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.2016130
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.8598693	25. 1	0.0096987
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.5261417	30. 1	0.4972739
31. 1	0.	32. 1	0.1079184	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	C.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.0479916	43. 1	0.1058296	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.8871103	49. 1	0.	50. 1	0.
51. 1	C.	52. 1	0.	53. 1	0.	54. 1	0.0599376	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	C.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	C.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	C.	72. 1	0.9008890	0. C	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.21219674

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	C.								
SUM NO. 2 IS	1.00000								

*** 220 INPUT LLSV4 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.25339508

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.3803592	5. 1	0.
6. 1	0.7547253	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.2153770
11. 1	C.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	C.	17. 1	0.	18. 1	0.2597968	19. 1	0.370131	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.542082	30. 1	0.
31. 1	C.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	C.2379979	42. 1	0.4111989	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	C.	52. 1	0.	53. 1	0.6935042	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.0718379	59. 1	0.	60. 1	0.7093751
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.1689019	0. 0	0.	0. 0	0.	0. 0	0.

1 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = 0.05619864

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3807425	2. 2	0.6192575	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.38074								
SUM NO. 2 IS	0.61926								

*** 221 INPUT LLSV5 IDENTIFICATION INCORRECT. MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

6 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -1.25799301

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	C.0450085	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.3353290
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.7091049
16. 1	0.	17. 1	0.	18. 1	0.5115229	19. 1	0.	20. 1	0.
21. 1	C.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	C.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0087542	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.1264536
46. 1	0.9507555	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.6559019	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.1798837	57. 1	0.4786765	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	C.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.2307506	70. 1	0.1330910
71. 1	0.2975194	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.44167760

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 222 INPUT LLSV6 IDENTIFICATION INCORRECT. MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.39545582

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.1825286	10. 1	0.6389466
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	C.	17. 1	1.0749133	18. 1	0.1140776	19. 1	0.0379914	20. 1	0.
21. 1	0.	22. 1	0.3280029	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	C.	27. 1	0.	28. 1	0.5924234	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.4249964	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.3503686	38. 1	0.2104615	39. 1	0.	40. 1	0.
41. 1	C.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.3492250	58. 1	0.	59. 1	0.0225205	60. 1	0.0687419
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.2736176	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.2633294
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

7 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.87499991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0191104	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.01911								
SUM NO. 2 IS	C.								

*** 223 INPUT LSH1 IDENTIFICATION INCORRECT. MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

2 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.21009299

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.1444764	4. 1	0.	5. 1	0.
6. 1	0.1023977	7. 1	0.	8. 1	0.1779688	9. 1	0.3250096	10. 1	0.4917501
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.4646702	15. 1	0.
16. 1	C.	17. 1	0.	18. 1	0.4201704	19. 1	0.	20. 1	0.1422600
21. 1	0.1263035	22. 1	0.	23. 1	0.	24. 1	0.0653616	25. 1	0.
26. 1	0.3047402	27. 1	0.	28. 1	0.2477566	29. 1	0.3633715	30. 1	0.0938515
31. 1	0.3723767	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	C.	37. 1	0.1598682	38. 1	0.	39. 1	0.	40. 1	0.1005790
41. 1	C.0240799	42. 1	0.2593847	43. 1	0.	44. 1	0.	45. 1	0.0743319
46. 1	0.0117112	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.0301734
51. 1	C.3733025	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.0953357
56. 1	0.	57. 1	0.0349239	58. 1	0.0985349	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.1640508
66. 1	0.	67. 1	0.0479027	68. 1	0.	69. 1	0.	70. 1	0.5539688
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.90689859

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0632454	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.06325								
SUM NO. 2 IS	C.								

*** 224 INPUT LSH/ IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.32853805

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.2394314
6. 1	0.4040721	7. 1	0.	8. 1	0.4803335	9. 1	0.0307310	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.1592193
16. 1	0.2357065	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	1.0495016	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.3234880	35. 1	0.0022553
36. 1	0.0040819	37. 1	0.	38. 1	0.	39. 1	0.1691159	40. 1	0.
41. 1	C.	42. 1	0.1584970	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.2814491	54. 1	0.	55. 1	0.
56. 1	C.	57. 1	0.	58. 1	0.	59. 1	0.0365383	60. 1	0.
61. 1	0.0770781	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	1.0016592	67. 1	0.	68. 1	0.	69. 1	0.4773756	70. 1	0.
71. 1	C.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.22495021

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9738303	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.97383								
SUM NO. 2 IS	0.								

*** 225 INPUT LSH/ IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.21880095

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.2608870	3. 1	0.	4. 1	0.	5. 1	0.0121785
6. 1	0.4808814	7. 1	0.	8. 1	0.4806063	9. 1	0.	10. 1	0.
11. 1	C.	12. 1	0.	13. 1	0.1073643	14. 1	0.	15. 1	0.0682114
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.0505695	20. 1	0.0700947
21. 1	C.	22. 1	0.	23. 1	0.	24. 1	0.2686592	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.1883619	33. 1	0.	34. 1	0.	35. 1	0.1117443
36. 1	0.4547972	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	C.	42. 1	0.6803437	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.0688113	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2080332
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	C.	62. 1	0.	63. 1	0.2083302	64. 1	0.1210014	65. 1	0.
66. 1	C.3705628	67. 1	0.	68. 1	0.4453579	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.1951027	0. 0	0.	0. 0	0.	0. 0	0.

3 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.64134569

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.824956	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.82450								
SUM NO. 2 IS	C.								

*** 226 INPUT LSH/ IDENTIFICATION INCORRECT.

MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.31691054

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.2300060
6. 1	0.0338053	7. 1	0.1917484	8. 1	0.1816225	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.4566800	22. 1	0.4299825	23. 1	0.	24. 1	0.	25. 1	0.1100456
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.0761748	33. 1	0.1595746	34. 1	0.	35. 1	0.3326277
36. 1	0.3668638	37. 1	0.	38. 1	0.3541266	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.0714301	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.1872862	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.4522994	58. 1	0.2487326	59. 1	0.	60. 1	0.2982510
61. 1	0.	62. 1	0.1551011	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0653658	67. 1	0.	68. 1	0.2907318	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. C	0.	0. 0	0.	0. 0	0.

2 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -0.97479039

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.000000								
SUM NO. 2 IS	C.								

*** 227 INPUT LSHS IDENTIFICATION INCORRECT. MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.33101967

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.2833370
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.3795295	20. 1	0.
21. 1	0.4015305	22. 1	0.5886918	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.3646652	28. 1	0.2276603	29. 1	0.	30. 1	0.
31. 1	0.0888135	32. 1	0.1212407	33. 1	0.	34. 1	0.	35. 1	0.3233251
36. 1	0.0320926	37. 1	0.0247585	38. 1	0.3471544	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.1404800	52. 1	0.1261843	53. 1	0.	54. 1	0.2095922	55. 1	0.
56. 1	0.0065347	57. 1	0.1332437	58. 1	0.1817856	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.3660072	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.2556527
71. 1	0.0141905	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -1.95056999

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0234298	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.02343								
SUM NO. 2 IS	C.								

*** 228 INPUT LSH6 IDENTIFICATION INCORRECT. MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.69934112

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.3876600	10. 1	0.4459031
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.7464792	18. 1	0.3755874	19. 1	0.	20. 1	0.
21. 1	0.0018665	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.7046237	29. 1	0.0220548	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.3794301	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.0839616	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.2866011	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.7689845
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.13385764

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9251699	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.92517								
SUM NO. 2 IS	0.								

*** 229 INPUT LLSH1 IDENTIFICATION INCORRECT. MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.39214079

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	7. 1	0.	3. 1	0.0763660	4. 1	0.	5. 1	0.
5. 1	0.6322049	7. 1	0.	8. 1	0.5810506	9. 1	0.4921136	10. 1	0.
11. 1	C.	12. 1	0.	13. 1	0.	14. 1	0.4529013	15. 1	0.
16. 1	C.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.0050511	28. 1	0.	29. 1	0.	30. 1	0.1208576
31. 1	C.4564502	32. 1	0.	31. 1	0.	34. 1	0.3540900	35. 1	0.
36. 1	0.	37. 1	0.1580130	43. 1	0.	39. 1	0.0182198	40. 1	0.
41. 1	C.	42. 1	0.5079692	44. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	C.	52. 1	0.	53. 1	0.1629575	54. 1	C.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	C.2680390	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.0355791
66. 1	0.5000830	67. 1	0.	68. 1	0.	69. 1	0.1189031	70. 1	0.0192980
71. 1	C.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.45090282

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.4329156	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	C.43292								
SUM NO. 2 IS	0.								

*** 230 INPUT LLSH2 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.67217030

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.1901796
6. 1	C.7678831	7. 1	0.	8. 1	0.7355530	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	C.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.6870340	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.0706447	35. 1	0.
36. 1	C.2932127	37. 1	0.	39. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.6553682	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	C.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	1.2013691	67. 1	0.	68. 1	0.	69. 1	0.1281456	70. 1	0.
71. 1	C.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.13292867

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.9257372	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	C.92574								
SUM NO. 2 IS	C.								

*** 231 INPUT LLSH3 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.58140875

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	C.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.2229283
6. 1	0.5678260	7. 1	0.	8. 1	0.6335364	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.0142746	14. 1	0.	15. 1	0.
16. 1	C.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	C.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.0286323
26. 1	C.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.2055576	33. 1	0.	34. 1	0.	35. 1	0.3980576
36. 1	0.8172557	37. 1	0.	38. 1	0.0139726	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.7430701	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.0117507	49. 1	0.	50. 1	0.0998677
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	C.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	C.	62. 1	0.	63. 1	0.0163894	64. 1	0.0393872	65. 1	0.
66. 1	0.4526960	67. 1	0.	68. 1	0.7400853	69. 1	C.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

4 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.74999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0720767	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.07208								
SUM NO. 2 IS	C.								

*** 232 INPUT LLSH4 IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.77051122

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	7. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.4023635
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.1641574	20. 1	0.
21. 1	0.6514600	22. 1	0.8371000	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.1020695	33. 1	0.	34. 1	0.	35. 1	0.5604664
36. 1	0.3000863	37. 1	0.	38. 1	0.5583988	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.0315366	55. 1	0.
56. 1	0.	57. 1	0.4702453	58. 1	0.3609967	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.2500346	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.1924139	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.99999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9644953	2. 7	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.96453								
SUM NO. 2 IS	0.								

*** 233 INPUT LLSHS IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

5 BIAS CHANGES

LEVEL 1 MS = 0.20000000 BIAS = -0.86416174

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.4326759
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.7428968	18. 1	0.	19. 1	0.2042440	20. 1	0.
21. 1	0.2014155	22. 1	0.6147606	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.5750292	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.3796885	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.2515951	38. 1	0.4159522	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.2893350	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.4948262	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.3616223
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

5 BIAS CHANGES

LEVEL 2 MS = 0.01000000 BIAS = -2.99999991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0527885	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.05279								
SUM NO. 2 IS	0.								

*** 234 INPUT LLSHS IDENTIFICATION INCORRECT.
 MINPS=000000000000 NCYCS=000000000000 INDICT=000000000000

END OF INPUT. SIMULATION COMPLETE.

LIST 2

CONTROL CARD
 READOP= 2
 NUMIN= 35
 NAMES= 12
 KFYS=0000000000
 ISM=7

NETWORK SPECIFICATIONS

NO. OF LEVELS= 2
 DT= 0.59799994
 EPSLN= 0.00000000
 MSTEP= 0.100000
 USAT=1.000000
 LONG=C.500000

SECOND CARD

X= 6 Y= 6 Z= 1 RVD=12345 PCH=5 DCH=1

LEVEL CARDS-B

LEVEL	X	Y	Z	SX	SI	PX	PI	GSX	GSI	GPX	GPI	PCTYP	PCTYP	SLFCOM
1	6	6	1	8	8	8	8	0.500	0.500	0.500	0.500	2	2	0
2	2	1	1	1	1	62	62	0.500	0.500	0.500	0.500	0	2	0

LEVEL CARD-A/

LEVEL	MS	MI	F(+S)	F(-S)	F(+P)	F(-P)	ESUM
1	0.100000	0.500000	0.999000	-0.999000	0.999000	-0.999000	5.000000
2	0.	1.000000	0.	0.	0.999000	-0.999000	1.000000

READY CONTROL CARD
 INDICT=0000000001
 INPUT MODE=INP2
 TEST MODE= MAX
 CONSECUTIVE OUTPUTS/STRIN= 1
 G-WT PRINT COUNT= 30
 G-WT PRINT MODE=2
 A1=0
 A2= 12 A3= 4C2= 12 D2= 1
 A3= -0 A4= -0
 A4= -0 B4= -0 C4= -0
 C= 0

READOP= 2
 NUMIN= 36
 NAMES= 12
 MINPS=00000000014 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.11524370
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.24629287
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37734205
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.31181747
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.27975518
 ** CONTROL=0000000007
 B BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -0.27905518

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.165235	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.7253924
6. 1	0.2113055	7. 1	0.	8. 1	0.2222750	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.1979249
16. 1	0.427501	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.2154167	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.2343402	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.2340489	35. 1	0.7178495
36. 1	0.4842867	37. 1	0.	38. 1	0.	39. 1	0.2501183	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.0295497	48. 1	0.4190888	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.2300078	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.1397777	63. 1	0.	64. 1	0.1706823	65. 1	0.
66. 1	0.663072	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.35179916
 ** CONTROL=0000000001

1 BIAS CHANGES

LEVEL	MS =	BIAS =	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
2	0.	0.35178918	1. 2	0.5508110	2. 2	0.4491882	0. 0	0. 0	0. 0	0. 0
SUM NO.	1 IS	0.5508110								
SUM NO.	2 IS	0.4491882								

*** 1 INPUT M1 IDENTIFICATION CORRECT
 MINPS=0000000013 NCYCS=0000000014 INDICT=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.34696507
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.85432129
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.36157748
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.10799938
 ** CONTROL=0000000007

4 BIAS CHANGES

LEVEL	MS =	BIAS =	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1	0.09999999	-1.10799938	1. 1	0.3153096	2. 1	0.	3. 1	0.	4. 1	0.
6. 1	0.		7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.6348255		12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.		17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.0032417
21. 1	0.		22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.		27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.3918586
31. 1	0.3546317		32. 1	0.1290297	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.		37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.		42. 1	0.	43. 1	0.6582329	44. 1	0.	45. 1	0.
46. 1	0.		47. 1	0.	48. 1	0.	49. 1	0.1351427	50. 1	0.
51. 1	0.		52. 1	0.	53. 1	0.	54. 1	0.3918355	55. 1	0.
56. 1	0.		57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.6614266		62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.		67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.		72. 1	0.1953655	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=0000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.09129559
 ** CONTROL=0000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.79564780
 ** CONTROL=0000000007

3 BIAS CHANGES

LEVEL	MS =	BIAS =	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
2	0.	0.79564780	1. 2	0.3036799	2. 2	0.7457867	0. 0	0. 0	0. 0	0. 0
SUM NO.	1 IS	0.3036799								
SUM NO.	2 IS	0.7457867								

*** 2 INPUT M1 IDENTIFICATION CORRECT
 MINPS=00000000012 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.09827621
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.22283137
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.34736652
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.28510835
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.25397018
 ** CONTROL=0000000007

5 BIAS CHANGES

LEVEL	MS =	BIAS =	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1	0.09999999	-0.25397018	1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.3385655
6. 1	0.		7. 1	0.0249233	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.		12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.		17. 1	0.	18. 1	0.	19. 1	0.0554264	20. 1	0.
21. 1	0.369954		22. 1	0.4640783	23. 1	0.	24. 1	0.	25. 1	0.1981360
26. 1	0.		27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.		32. 1	0.2518455	33. 1	0.1497575	34. 1	0.	35. 1	0.0696866
36. 1	0.3359975		37. 1	0.	38. 1	0.7462153	39. 1	0.	40. 1	0.
41. 1	0.		42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.		47. 1	0.	48. 1	0.0426389	49. 1	0.	50. 1	0.
51. 1	0.		52. 1	0.	53. 1	0.	54. 1	0.1896223	55. 1	0.
56. 1	0.		57. 1	0.479126	58. 1	0.	59. 1	0.	60. 1	0.2289987
61. 1	0.		62. 1	0.	63. 1	0.5175449	64. 1	0.5206152	65. 1	0.
66. 1	0.		67. 1	0.	68. 1	0.2518250	69. 1	0.	70. 1	0.
71. 1	0.		72. 1	0.	0. 0	0. 0	0. 0	0. 0	0. 0	0. 0

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.40362770
 ** CONTROL=0000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.8724542
 ** CONTROL=0000000003

LEVEL 1 MS = 0.00000000 BIAS = 0.00704562

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.
5. 1	0.	6. 1	0.	7. 1	0.	8. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.

SUM NO. 1 IS 0.00000000
SUM NO. 2 IS 0.00000000

*** 3 INPUT 07 IDENTIFICATION CORRECT
MINPS=0000000000 NCVC=0000000000 INDIC=0000000000

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.35661046
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.72721499
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.21795751
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.00254326
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.11021094
 ** CONTROL=0000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.00000000 BIAS = -1.11020039

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.0144433
5. 1	0.	6. 1	0.	7. 1	0.	8. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.
16. 1	0.00254616	17. 1	0.	18. 1	0.	19. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.0936533	24. 1	0.0000000
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.4000000
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.
41. 1	0.00421990	42. 1	0.0493978	43. 1	0.	44. 1	0.
46. 1	0.	47. 1	0.4000704	48. 1	0.3610447	49. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0935177	54. 1	0.
56. 1	0.	57. 1	0.2652664	58. 1	0.	59. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.
71. 1	0.0024204	72. 1	0.0556537	73. 1	0.	74. 1	0.1890409

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.36981340
 ** CONTROL=0000000001
 1 BIAS CHANGES

LEVEL 1 MS = 0.00000000 BIAS = 0.36981340

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.
5. 1	0.	6. 1	0.	7. 1	0.	8. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.

SUM NO. 1 IS 0.00000000
SUM NO. 2 IS 0.00000000

*** 4 INPUT 07 IDENTIFICATION CORRECT
MINPS=0000000000 NCVC=0000000000 INDIC=0000000000

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.33630040
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.73517181
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.13408321
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.93463752
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.03430036
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.94449875
 ** CONTROL=0000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.00000000 BIAS = -0.98447895

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.1335639
5. 1	0.	6. 1	0.	7. 1	0.	8. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.
16. 1	0.00004974	17. 1	0.	18. 1	0.	19. 1	0.0312866
21. 1	0.	22. 1	0.	23. 1	0.1406362	24. 1	0.5651722
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.3383929
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.
41. 1	0.0006975	42. 1	0.9729977	43. 1	0.	44. 1	0.
46. 1	0.	47. 1	0.3320793	48. 1	0.3155048	49. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.1566296	54. 1	0.
56. 1	0.	57. 1	0.2645018	58. 1	0.0313118	59. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.
71. 1	0.00227471	72. 1	0.1504135	73. 1	0.	74. 1	0.1650152

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.04474974
 ** CONTROL=0000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.00000000 BIAS = 0.04474974

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.
5. 1	0.	6. 1	0.	7. 1	0.	8. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.

SUM NO. 1 IS 0.00000000
SUM NO. 2 IS 0.00000000

*** 5 INPUT 07 IDENTIFICATION CORRECT
MINPS=0000000000 NCVC=0000000000 INDIC=0000000000

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.09554193
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.24411627
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39272064
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.31843846
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.0999999 BIAS = -0.31843846

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	C.1752595	8. 1	0.	9. 1	0.	10. 1	0.4939315
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.1552359	19. 1	0.	20. 1	0.
21. 1	0.2366317	22. 1	C.4966095	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	C.4440093	29. 1	0.1785125	30. 1	0.
31. 1	0.	32. 1	C.0026712	33. 1	C.0053701	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	C.534873P	39. 1	0.	40. 1	0.1741273
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.1909674	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.1553633
56. 1	0.	57. 1	0.4727698	58. 1	C.1811248	59. 1	0.	60. 1	0.2385918
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.4045918
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.20561298
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.41162577
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.41162577

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 15	1.00000								
SUM NC. 2 15	0.								

*** 6 INPUT H3 IDENTIFICATION CORRECT
 MINPS=00000000007 NLYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.45726654
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.74195665
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.42604677
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.18430172
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.06312920
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.17371546
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.0999999 BIAS = -1.12371546

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	C.1480586	4. 1	0.5813227	5. 1	0.0799153
6. 1	0.6606098	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.8389564
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.3979076	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1389407	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.2432920	29. 1	0.1273360	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.6409954
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.1507148	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.1011515	53. 1	0.0761099	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.1303272	60. 1	0.4251928
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.06827109
 ** CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -0.06827109

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0682711	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 15	1.06827								
SUM NC. 2 15	0.								

*** 7 INPUT H3 IDENTIFICATION INCORRECT
 MINPS=00000000007 NLYCS=00000000013 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.43115558
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.89667063
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.34211669
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.11440815
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.00054747
 ** CONTROL=00000000007

1 BIAS CHANGES

LEVEL 1 MS = C.77777777 BIAS = -1.00054941

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1313071	4. 1	0.5440937	5. 1	0.1758527
6. 1	0.7777777	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.9300390
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.3408295	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1719093	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.6512816	28. 1	0.3111100	29. 1	0.1594628	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.5829059
41. 1	0.138523	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.0438672
46. 1	0.460473	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.1614335	53. 1	0.1597404	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.0750447	58. 1	0.	59. 1	0.1865484	60. 1	0.3190020
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.0099572	70. 1	0.0353257
71. 1	0.0190219	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000

CONTROL=0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 93.82626715

CONTROL=0000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 47.16313457

CONTROL=0000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 23.83156729

CONTROL=0000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 7.16578364

CONTROL=0000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 6.33289182

CONTROL=0000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 3.41644594

CONTROL=0000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.95822300

CONTROL=0000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.22911152

CONTROL=0000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.86455579

CONTROL=0000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.04683365

CONTROL=0000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.13797258

CONTROL=0000000007

LEVEL 2 MS = C. BIAS = 1.13797259

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3728891	2. 2	0.6433016	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.37267								
SUM NO. 2 IS	0.64330								

*** 8 INPLT V7 IDENTIFICATION CORRECT
MINPS=0000000006 NCVCS=0000000014 INDICT=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.07007445

CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.16668205

CONTROL=0000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.26328965

CONTROL=0000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.21498585

CONTROL=0000000007

LEVEL 1 MS = C.09999999 BIAS = -0.21498585

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.3886470	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.0738752	10. 1	0.3881923
11. 1	0.	12. 1	0.0137329	13. 1	0.	14. 1	0.3001129	15. 1	0.
16. 1	0.0911508	17. 1	0.0217428	18. 1	0.3237188	19. 1	0.2467489	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.2239066	28. 1	0.3100908	29. 1	0.0819452	30. 1	0.0326602
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.2634551	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.0009466	50. 1	0.
51. 1	0.	52. 1	0.5384252	53. 1	0.	54. 1	0.	55. 1	0.1004930
56. 1	0.561051	57. 1	0.	58. 1	0.	59. 1	0.2957031	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.2702984
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.2411911	70. 1	0.3805276
71. 1	0.140027	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.40277934

CONTROL=0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.80559070

CONTROL=0000000003

LEVEL 2 MS = C. BIAS = 0.80559070

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 9 INPLT H4 IDENTIFICATION INCORRECT
MINPS=0000000008 NCVCS=0000000013 INDICT=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.00876499

CONTROL=0000000001

1 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -0.39574498

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1973855	4. 1	0.0269164	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.1970094	10. 1	0.1919422
11. 1	0.	12. 1	0.1378687	13. 1	0.	14. 1	0.2470275	15. 1	0.
16. 1	0.7477126	17. 1	0.1346546	18. 1	0.1937324	19. 1	0.1841838	20. 1	0.175156
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.0102849	27. 1	0.3269929	28. 1	0.1405623	29. 1	0.1734833	30. 1	0.1812008
31. 1	0.0102096	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.7100961	38. 1	0.	39. 1	0.0783843	40. 1	0.0249801
41. 1	0.	42. 1	0.	43. 1	0.0671570	44. 1	0.0047533	45. 1	0.1096396
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.2279018	50. 1	0.
51. 1	0.197647	52. 1	0.7112263	53. 1	0.0005838	54. 1	0.	55. 1	0.19386
56. 1	0.1608750	57. 1	0.	58. 1	0.	59. 1	0.1684673	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.2509584
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.2623042	70. 1	0.1958147
71. 1	0.02419716	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.54453012
 ** CONTROL=000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 4.02227503
 ** CONTROL=000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.26113755
 ** CONTROL=000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.38056979
 ** CONTROL=000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.94028442
 ** CONTROL=000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.16042660
 ** CONTROL=000000007

LEVEL 2 MS = 0. BIAS = 1.16042660

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2926463	2. 2	0.7266996	3. 2	0.0	4. 2	0.0	5. 2	0.0
SUM NO. 1 IS	0.29290								
SUM NO. 2 IS	0.72674								

*** 10 INPUT H4 IDENTIFICATION INCORRECT.
 MINPS=00300000006 NCYCS=0000000012 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.05734293
 ** CONTROL=000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.11757798
 ** CONTROL=000000003
 2 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = 0.11757798

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.0814175	4. 1	0.1149934	5. 1	0.
6. 1	0.	7. 1	0.0139695	8. 1	0.	9. 1	0.1089841	10. 1	0.1215527
11. 1	0.	12. 1	0.1349306	13. 1	0.	14. 1	0.1750240	15. 1	0.0054829
16. 1	0.3126782	17. 1	0.1395422	18. 1	0.124359	19. 1	0.1146547	20. 1	0.1018054
21. 1	0.1298234	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.1132915	27. 1	0.2968889	28. 1	0.1041281	29. 1	0.1107285	30. 1	0.1214802
31. 1	0.0219796	32. 1	0.	33. 1	0.	34. 1	0.0260971	35. 1	0.
36. 1	0.	37. 1	0.1181799	38. 1	0.	39. 1	0.1578009	40. 1	0.1046880
41. 1	0.	42. 1	0.	43. 1	0.1283658	44. 1	0.1040531	45. 1	0.1256186
46. 1	0.	47. 1	0.0787952	48. 1	0.	49. 1	0.1166065	50. 1	0.
51. 1	0.1351950	52. 1	0.1232930	53. 1	0.1352298	54. 1	0.	55. 1	0.1210801
56. 1	0.1132249	57. 1	0.	58. 1	0.	59. 1	0.1238810	60. 1	0.0945352
61. 1	0.1068358	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.1872904
66. 1	0.	67. 1	0.1796093	68. 1	0.	69. 1	0.1917123	70. 1	0.1082053
71. 1	0.1879441	72. 1	0.	73. 1	0.0	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.53000000
 ** CONTROL=000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.44286290
 ** CONTROL=000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.47143146
 ** CONTROL=000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.38571575
 ** CONTROL=000000007
 4 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.38571575

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3993335	2. 2	0.6703936	3. 2	0.0	4. 2	0.0	5. 2	0.0
SUM NO. 1 IS	0.39933								
SUM NO. 2 IS	0.67039								

*** 11 INPUT H4 IDENTIFICATION INCORRECT.
 MINPS=00000000006 NCYCS=0000000011 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06779547
 ** CONTROL=000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.99020970
 ** CONTROL=000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.48403476
 ** CONTROL=000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.57391625
 ** CONTROL=000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.29685734
 ** CONTROL=000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.14272790
 ** CONTROL=000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.23959261
 ** CONTROL=000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.21094025
 ** CONTROL=000000007

8 BIAS CHANGES

LEVEL 1 MS = 0.0999999 BIAS = 0.21096025

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.174560	2. 1	0.	3. 1	0.0450306	4. 1	0.1066026	5. 1	0.
6. 1	0.	7. 1	0.0874536	8. 1	0.	9. 1	0.0872363	10. 1	0.0932429
11. 1	0.054698	12. 1	0.1016010	13. 1	0.	14. 1	0.1207166	15. 1	0.0726404
16. 1	0.0664236	17. 1	0.0972049	18. 1	0.0873456	19. 1	0.0872146	20. 1	0.0784670
21. 1	0.0745097	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.0756744	27. 1	0.2601672	28. 1	0.0806458	29. 1	0.0998556	30. 1	0.0847776
31. 1	0.0843618	32. 1	0.	33. 1	0.	34. 1	0.0897390	35. 1	0.
36. 1	0.	37. 1	0.0844386	38. 1	0.	39. 1	0.0965170	40. 1	0.0765871
41. 1	0.	42. 1	0.	43. 1	0.0957892	44. 1	0.0801535	45. 1	0.0976217
46. 1	0.	47. 1	0.0932128	48. 1	0.	49. 1	0.0906924	50. 1	0.
51. 1	0.0817917	52. 1	0.116237	53. 1	0.1033620	54. 1	0.	55. 1	0.0950764
56. 1	0.0728038	57. 1	0.	58. 1	0.0474645	59. 1	0.0833409	60. 1	0.0893783
61. 1	0.1544222	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.1262941
66. 1	0.0875079	67. 1	0.0769547	68. 1	0.	69. 1	0.1245871	70. 1	0.0915400
71. 1	0.1426633	72. 1	0.0315025	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.5700000
 ** CONTROL=000000000
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.64250667
 ** CONTROL=000000000
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.07125334
 ** CONTROL=000000000
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.78562668
 ** CONTROL=000000000
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.92844000
 ** CONTROL=000000000
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.85703334
 ** CONTROL=000000000
 6 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.85703334

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.0613223	2. 2	0.4571572	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.06132								
SUM NO. 2 IS	0.45716								

*** 12 INPUT #4 IDENTIFICATION CORRECT
 #INPS=000000000000 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37237912
 ** CONTROL=000000000
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.83004324
 ** CONTROL=000000000
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.28772735
 ** CONTROL=000000000
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.05892530
 ** CONTROL=000000000
 4 BIAS CHANGES

LEVEL 1 MS = 0.0999999 BIAS = -1.05892530

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.6911985	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.4541931
16. 1	0.	17. 1	0.	18. 1	0.1498809	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.1554638	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1644397	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.5014594	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.4388877
46. 1	0.4549256	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.1921899
51. 1	0.0201773	52. 1	0.2704047	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.1874569	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.5020100	68. 1	0.	69. 1	0.7864301	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

6 BIAS CHANGES

LEVEL 1 MS = 0. BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.7743236	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.7743.								
SUM NO. 2 IS	0.								

*** 13 INPUT #4 IDENTIFICATION INCORRECT.
 #INPS=000000000000 NCYCS=000000000013 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.33817960
 ** CONTROL=000000000
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.75059731
 ** CONTROL=000000000
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.16301532
 ** CONTROL=000000000
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.75680617
 ** CONTROL=000000000
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.85370174
 ** CONTROL=000000000
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.90525395
 ** CONTROL=000000000

4 BIAS CHANGES

LEVEL 1 MS = 0.0999999		BIAS = -0.90525395							
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.6555809	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.0665525	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.3922794
16. 1	0.	17. 1	0.	18. 1	0.1962197	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.2125242	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.0483700	27. 1	0.	28. 1	0.1994764	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1343602	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.5690566	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.3736885
46. 1	0.3746651	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2403792
51. 1	0.4920420	52. 1	0.2599153	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.370586	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1037925	67. 1	0.4020709	68. 1	0.	69. 1	0.2263385	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 CONTROL=0000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.78839529
 CONTROL=0000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.14419764
 CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.82209882
 CONTROL=0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.98314823
 CONTROL=0000000007
 5 BIAS CHANGES

LEVEL 2 MS = 0.		BIAS = 0.98314823							
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2856525	2. 2	0.7627285	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC.	1 15	0.28565							
SUM VC.	2 15	0.76273							

*** 14 INPUT V4 IDENTIFICATION CORRECT
 NINPS=0000000004 NCVCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.03906006
 CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.11644956
 CONTROL=0000000003
 2 BIAS CHANGES

LEVEL 1 MS = 0.0999999		BIAS = -0.11644956							
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.1659213	3. 1	0.5608317	4. 1	0.	5. 1	0.
6. 1	0.0245759	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.3314895	14. 1	0.1463936	15. 1	0.
16. 1	0.	17. 1	0.3738730	18. 1	0.	19. 1	0.	20. 1	0.1624503
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.6577280	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.5088835	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.1343120	43. 1	0.	44. 1	0.	45. 1	0.3732892
46. 1	0.1226580	47. 1	0.	48. 1	0.	49. 1	0.2779144	50. 1	0.1530225
51. 1	0.	52. 1	0.	53. 1	0.1064110	54. 1	0.	55. 1	0.
56. 1	0.2889733	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.1287674	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.1466729
66. 1	0.	67. 1	0.1414820	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.2048269	72. 1	0.1693274	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.37055673
 CONTROL=0000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0.		BIAS = 0.37055673							
COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3067589	2. 2	0.6294433	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC.	1 15	0.30676							
SUM VC.	2 15	0.62944							

*** 15 INPUT M5 IDENTIFICATION INCORRECT.
 NINPS=0000000004 NCVCS=00000000013 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.03314891
 CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.08838509
 CONTROL=0000000003

2 BIAS CHANGES

LEVEL 1 MS = 0.0999999 BIAS = 0.00838505

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	C.1779498	3. 1	0.2105958	4. 1	0.	5. 1	0.
6. 1	0.2040370	7. 1	0.	8. 1	0.	9. 1	0.C233178	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.2011826	14. 1	0.1787257	15. 1	0.C217315
16. 1	0.	17. 1	0.2724650	18. 1	0.1044349	19. 1	0.	20. 1	0.1753889
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.1774279	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.2102292
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.C247482	35. 1	0.
36. 1	0.	37. 1	0.1571101	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.03670739	42. 1	0.1972947	43. 1	0.C893147	44. 1	0.0992249	45. 1	0.1937870
46. 1	0.2106291	47. 1	0.0754594	48. 1	0.	49. 1	0.1688086	50. 1	0.1911737
51. 1	0.	52. 1	0.0785808	53. 1	0.2110867	54. 1	0.	55. 1	0.
56. 1	0.2172090	57. 1	0.	58. 1	0.	59. 1	0.0576563	60. 1	0.
61. 1	0.2412946	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.2263626
66. 1	0.1504132	67. 1	0.2120070	68. 1	0.	69. 1	0.1732080	70. 1	0.
71. 1	0.1954720	72. 1	0.2499646	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.35478264
 ** CONTROL=C0000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.70956531
 ** CONTROL=C0000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.53217398
 ** CONTROL=C0000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.67086964
 ** CONTROL=C0000000007
 4 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.62086964

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2894726	2. 2	0.9113043	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.68947								
SUM NC. 2 IS	0.91130								

*** 16 INPUT MS IDENTIFICATION INCORRECT.
 MINPS=00000000004 NCYCS=C0000000012 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06901616
 ** CONTROL=C0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 3.45341903
 ** CONTROL=C0000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.76121759
 ** CONTROL=C0000000003
 ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.91511688
 ** CONTROL=C0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.49206652
 ** CONTROL=C0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.29054135
 ** CONTROL=C0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.17477876
 ** CONTROL=C0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.22766005
 ** CONTROL=C0000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.0999999 BIAS = 0.22766005

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0424609	2. 1	0.1373554	3. 1	0.1302194	4. 1	0.	5. 1	0.
6. 1	0.1283733	7. 1	0.	8. 1	0.1377888	9. 1	0.1330988	10. 1	0.
11. 1	0.0422304	12. 1	0.1105959	13. 1	0.1402295	14. 1	0.1334700	15. 1	0.1271481
16. 1	0.733252	17. 1	0.1197324	18. 1	0.1439526	19. 1	0.0122031	20. 1	0.1269549
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.1396053	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0664398	30. 1	0.1481737
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1427062	35. 1	0.
36. 1	0.	37. 1	0.1039413	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.1346125	42. 1	0.1508197	43. 1	0.1394119	44. 1	0.1601807	45. 1	0.1408344
46. 1	0.1557674	47. 1	0.1530902	48. 1	0.	49. 1	0.1465941	50. 1	0.1086382
51. 1	0.	52. 1	0.1270884	53. 1	0.1458823	54. 1	0.	55. 1	0.0806229
56. 1	0.1241273	57. 1	0.	58. 1	0.	59. 1	0.1142799	60. 1	0.
61. 1	0.2195479	62. 1	0.	63. 1	0.0570308	64. 1	0.	65. 1	0.1630643
66. 1	0.1476467	67. 1	0.1410136	68. 1	0.	69. 1	0.1474820	70. 1	0.
71. 1	0.1387731	72. 1	0.1310592	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
 ** CONTROL=C0000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.08943287
 ** CONTROL=C0000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.79471643
 ** CONTROL=C0000000007
 3 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.79471643

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.1867032	2. 2	0.7536708	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.18671								
SUM NC. 2 IS	0.75367								

*** 17 INPUT MS IDENTIFICATION INCORRECT.
 MINPS=00000000004 NCYCS=C0000000011 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.0694443
 ** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.2083330
 ** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 5.23253649
 ** CONTROL=0000000001

ARITHMETIC OVERFLOW OCCURRED AT LOC 2219
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.72043490
 ** CONTROL=0000000001

ARITHMETIC OVERFLOW OCCURRED AT LOC 2213
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.46439411
 ** CONTROL=0000000001

ARITHMETIC OVERFLOW OCCURRED AT LOC 2213
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.43635071
 ** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.52234602
 ** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.36533934
 ** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.28683652
 ** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.32608810
 ** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.34571388
 ** CONTROL=0000000001

11 BIAS CHANGES

LEVEL 1 MS = 0.0799999 BIAS = 0.34571388

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1130376	2. 1	0.1108204	3. 1	0.1153278	4. 1	0.0764710	5. 1	0.
6. 1	0.1190225	7. 1	0.	8. 1	0.0970994	9. 1	0.1492612	10. 1	0.
11. 1	0.1179541	12. 1	0.0986482	13. 1	0.0940623	14. 1	0.1277416	15. 1	0.0895263
16. 1	0.1327032	17. 1	0.1100945	18. 1	0.1203697	19. 1	0.1240084	20. 1	0.1194498
21. 1	0.	22. 1	0.	23. 1	0.0931364	24. 1	0.1041657	25. 1	0.
26. 1	0.0995863	27. 1	0.0197514	28. 1	0.	29. 1	0.1120493	30. 1	0.1145877
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.1273592	35. 1	0.
36. 1	0.	37. 1	0.1017963	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.0938094	42. 1	0.1171130	43. 1	0.1285654	44. 1	0.1237501	45. 1	0.1144806
46. 1	0.1074209	47. 1	0.1280994	48. 1	0.	49. 1	0.1141755	50. 1	0.0837879
51. 1	0.	52. 1	0.1225663	53. 1	0.1288299	54. 1	0.	55. 1	0.1331426
56. 1	0.1110781	57. 1	0.	58. 1	0.	59. 1	0.1275353	60. 1	0.
61. 1	0.1210655	62. 1	0.	63. 1	0.1092196	64. 1	0.	65. 1	0.1103523
66. 1	0.1218608	67. 1	0.1208084	68. 1	0.	69. 1	0.1133517	70. 1	0.
71. 1	0.117123	72. 1	0.1217117	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.57060090
 ** CONTROL=0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.69242364
 ** CONTROL=0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.59621184
 ** CONTROL=0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.04810593
 ** CONTROL=0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.77405298
 ** CONTROL=0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.91107945
 ** CONTROL=0000000001

6 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.91107945

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4618201	2. 2	0.5460451	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.46182								
SUM NO. 2 IS	0.54605								

*** 18 INPUT MS IDENTIFICATION INCORRECT.
 MINPS=0000000004 NCYCS=0000000010 INWICT=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.0694443
 ** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
 ** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.48611103
 ** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.34722216
 ** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.41666660
 ** CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.45139841
 ** CONTROL=0000000001

6 BIAS CHANGES

LEVEL 1 MS = 0.0999999 BIAS = 0.45138851

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.866730	2. 1	0.1033364	3. 1	0.1191535	4. 1	0.1184448	5. 1	0.
6. 1	0.099912	7. 1	0.	8. 1	0.0904981	9. 1	0.1232512	10. 1	0.
11. 1	0.1136738	12. 1	0.0920965	13. 1	0.0887597	14. 1	0.1306779	15. 1	0.0886574
16. 1	0.1312947	17. 1	0.0972623	18. 1	0.1144903	19. 1	0.0831721	20. 1	0.0938813
21. 1	0.	22. 1	0.	23. 1	0.1295806	24. 1	0.1023940	25. 1	0.0952509
26. 1	0.1242928	27. 1	0.1218014	28. 1	0.	29. 1	0.0886416	30. 1	0.1002401
31. 1	0.10437624	32. 1	0.0942940	33. 1	0.	34. 1	0.1182518	35. 1	0.
36. 1	0.	37. 1	0.1063932	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.1094108	42. 1	0.0975397	43. 1	0.1159979	44. 1	0.1076356	45. 1	0.0982333
46. 1	0.1070555	47. 1	0.1174545	48. 1	0.	49. 1	0.1053815	50. 1	0.0800783
51. 1	0.	52. 1	0.1223694	53. 1	0.1252159	54. 1	0.	55. 1	0.1256854
56. 1	0.0941461	57. 1	0.	58. 1	0.	59. 1	0.1154292	60. 1	0.
61. 1	0.107103	62. 1	0.	63. 1	0.0907610	64. 1	0.	65. 1	0.1037711
66. 1	0.1146634	67. 1	0.1051975	68. 1	0.0749224	69. 1	0.1013504	70. 1	0.
71. 1	0.113257	72. 1	0.0967243	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.5000000
 ** CONTROL=C000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.30725272
 ** CONTROL=C000000003
 LEVEL 7 OUTPUT OUT OF RANGE, NEW BIAS = 0.90362637
 ** CONTROL=C000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.7018319
 ** CONTROL=C000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.80271977
 ** CONTROL=C000000007
 5 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.80271977

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5045470	2. 2	0.4033740	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.50455								
SUM NO. 2 IS	0.40337								

*** 19 INPUT MS IDENTIFICATION CORRECT
 MINPS=C000000003 NCYCS=C0000000014 INDICT=C0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37644647
 ** CONTROL=C000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.83773449
 ** CONTROL=C000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.29902251
 ** CONTROL=C000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.06837851
 ** CONTROL=C000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.06837851

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3297049	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.3136591	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.2707275	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.5976462	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6539122	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.4897469	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.0415970	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.5484487
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.1046788
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.3482285	64. 1	0.2379869	65. 1	0.1083134
66. 1	0.1284139	67. 1	0.6102423	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.23523284
 ** CONTROL=C000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.47046570
 ** CONTROL=C000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.47046570

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.00000								
SUM NO. 2 IS	0.								

*** 20 INPUT MS IDENTIFICATION INCORRECT.
 MINPS=C000000003 NCYCS=C0000000013 INDICT=C0000 00001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.34713037
 ** CONTROL=C000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.77586499
 ** CONTROL=C000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.20459960
 ** CONTROL=C000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.99023230
 ** CONTROL=C000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.86304865
 ** CONTROL=C000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.93664047
 ** CONTROL=C000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -0.93664047

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2999397	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.3061177	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.2508550	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.426778	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.6407720	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6190831	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.0098037	39. 1	0.3952933	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.1567251	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.4235214
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.1832507
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.2771879	64. 1	0.2606601	65. 1	0.1869079
66. 1	0.853693	67. 1	0.5838852	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.5000000
 ** CONTROL=000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 4.46045150
 ** CONTROL=000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.48022565
 ** CONTROL=000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.49011294
 ** CONTROL=000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.97505644
 ** CONTROL=000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.24250463
 ** CONTROL=000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.35634873
 ** CONTROL=000000007
 2 BIAS CHANGES

LEVEL 2 MS = 00 BIAS = 1.36634873

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9746452	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	0.9746452								

*** 21 INPUT VS IDENTIFICATION CORRECT
 MINPS=0000000007 NOVELS=0000000014 IMPLOT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.00702291
 ** CONTROL=000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.13676377
 ** CONTROL=000000003
 2 BIAS CHANGES

LEVEL 1 MS = 000000000 BIAS = -0.13676377

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.2263769	3. 1	0.0879374	4. 1	0.	5. 1	0.
6. 1	0.4007943	7. 1	0.	8. 1	0.5560780	9. 1	0.5246409	10. 1	0.
11. 1	0.7041390	12. 1	0.	13. 1	0.2709629	14. 1	0.4034227	15. 1	0.
18. 1	0.	17. 1	0.	19. 1	0.	20. 1	0.	21. 1	0.770821
25. 1	0.	27. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.0406328
26. 1	0.0076322	27. 1	0.2953280	28. 1	0.	29. 1	0.	30. 1	0.0603765
31. 1	0.4946445	32. 1	0.	33. 1	0.	34. 1	0.1114586	35. 1	0.0046935
36. 1	0.	37. 1	0.0372073	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.0470020	43. 1	0.	44. 1	0.0239807	45. 1	0.
46. 1	0.0039567	47. 1	0.0691907	48. 1	0.4803937	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.0004474	62. 1	0.1546307	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1816057	67. 1	0.2692763	68. 1	0.	69. 1	0.3045664	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.5700000
 ** CONTROL=000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.99640973
 ** CONTROL=000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.24321489
 ** CONTROL=000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.9716745
 ** CONTROL=000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.05741116
 ** CONTROL=000000007
 5 BIAS CHANGES

LEVEL 2 MS = 00 BIAS = 1.05741116

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2727460	2. 0	0.9991190	3. 0	0.	4. 0	0.	5. 0	0.
SUM NO. 1 IS	0.2727460								
SUM NO. 2 IS	0.7272540								

*** 22 INPUT VS IDENTIFICATION INCORRECT.
 MINPS=0000000007 NOVELS=0000000014 IMPLOT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.01218930
 ** CONTROL=000000001
 1 BIAS CHANGES

LEVEL 1 MS = 000000000 BIAS = 0.01218930

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.1773837	3. 1	0.1410910	4. 1	0.	5. 1	0.
6. 1	0.0007637	7. 1	0.	8. 1	0.2354904	9. 1	0.0978885	10. 1	0.
11. 1	0.1224333	12. 1	0.	13. 1	0.0634214	14. 1	0.0605024	15. 1	0.
18. 1	0.	17. 1	0.	19. 1	0.	20. 1	0.	21. 1	0.1176126
21. 1	0.	22. 1	0.	23. 1	0.1028404	24. 1	0.0439561	25. 1	0.4533934
26. 1	0.1234666	27. 1	0.1435509	28. 1	0.	29. 1	0.	30. 1	0.1683367
31. 1	0.0004405	32. 1	0.	33. 1	0.	34. 1	0.1406593	35. 1	0.1312594
36. 1	0.0006700	37. 1	0.1947227	38. 1	0.	39. 1	0.1171347	40. 1	0.
41. 1	0.0031433	42. 1	0.0002413	43. 1	0.1230132	44. 1	0.0884217	45. 1	0.
46. 1	0.0044059	47. 1	0.1757901	48. 1	0.0945596	49. 1	0.0455928	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.1090389	54. 1	0.	55. 1	0.
56. 1	0.0008191	57. 1	0.	58. 1	0.1437390	59. 1	0.	60. 1	0.
61. 1	0.0004511	62. 1	0.1127577	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0003946	67. 1	0.1643263	68. 1	0.	69. 1	0.1629480	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.5700000
 ** CONTROL=000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.6393249
 ** CONTROL=000000003

13 BIAS CHANGES

LEVEL 1 MS = 0.00000000 BIAS = 0.23071526

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1006227	2. 1	0.0932139	3. 1	0.1160016	4. 1	0.	5. 1	0.1076370
6. 1	0.1123079	7. 1	0.0626452	8. 1	0.1006002	9. 1	0.2019629	10. 1	0.
11. 1	0.2042622	12. 1	0.0047741	13. 1	0.0906491	14. 1	0.0007573	15. 1	0.0933482
16. 1	0.0011120	17. 1	0.0412041	18. 1	0.1000730	19. 1	0.	20. 1	0.1029511
21. 1	0.	22. 1	0.	23. 1	0.1140926	24. 1	0.0071406	25. 1	0.1001300
26. 1	0.1054267	27. 1	0.1001130	28. 1	0.	29. 1	0.	30. 1	0.0003410
31. 1	0.1103221	32. 1	0.	33. 1	0.0759616	34. 1	0.1016567	35. 1	0.0013759
36. 1	0.0970622	37. 1	0.0790670	38. 1	0.	39. 1	0.0027555	40. 1	0.0029541
41. 1	0.1029542	42. 1	0.0900047	43. 1	0.1010349	44. 1	0.1009169	45. 1	0.0029774
46. 1	0.1000126	47. 1	0.0961040	48. 1	0.0067197	49. 1	0.0027078	50. 1	0.1003527
51. 1	0.	52. 1	0.	53. 1	0.1042724	54. 1	0.0306266	55. 1	0.0207669
56. 1	0.1126133	57. 1	0.	58. 1	0.0900559	59. 1	0.	60. 1	0.
61. 1	0.1192612	62. 1	0.0066194	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.1102712	67. 1	0.0004421	68. 1	0.1120055	69. 1	0.1005126	70. 1	0.
71. 1	0.0900642	72. 1	0.0900569	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.49066715
 ** CONTROL=0000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.77030995
 ** CONTROL=0000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.63040010
 ** CONTROL=0000000007
 3 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.63040010

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.6491530	2. 2	0.2742304	0. 0	0.	0. 0	0.	0. 0	0.

SUP NO. 1 IS 0.64915
 SUP NO. 2 IS 0.27424

*** 25 INPUT NO IDENTIFICATION CORRECT
 NINPS=0000000001 NCYCS=0000000014 INDICT=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41630593
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.91534971
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.41439359
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.16407165
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.04011069
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.10249116
 ** CONTROL=0000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.00000000 BIAS = -1.10249116

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.4024485	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.4530127	13. 1	0.	14. 1	0.1453048	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.0359727	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.2001607
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.4152932	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.4035210	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.1664339	44. 1	0.1202519	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1671985	55. 1	0.7090350
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.6522304	63. 1	0.2109006	64. 1	0.1038019	65. 1	0.4057149
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.19296030
 ** CONTROL=0000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.36593662
 ** CONTROL=0000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.36593662

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.0873656	0. 0	0.	0. 0	0.	0. 0	0.

SUP NO. 1 IS 1.00000
 SUP NO. 2 IS 0.08737

*** 26 INPUT NO IDENTIFICATION INCORRECT.
 NINPS=0000000001 NCYCS=0000000013 INDICT=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.39062081
 ** CONTROL=0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.83139794
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.20217504
 ** CONTROL=0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.05670651
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.94409223
 ** CONTROL=0000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.09043936
 ** CONTROL=0000000007

4 BIAS CHANGES

LEVEL 1 MS = 0.09970999 BIAS = -1.22437647

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.3474943	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.450416P	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.7337461	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.7691532
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.4501296
31. 1	0.3324272	32. 1	0.1430950	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.7494647	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.2329657	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4831303	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.7270435	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. C	0. C	0. C	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.35298924
 ** CONTROL=09CC0000G01
 1 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.35298924

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3306513	2. 2	0.6470107	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.33065
 SUM NO. 2 IS 0.64701

*** 29 INPUT V1 IDENTIFICATION CORRECT
 NINFS=060000000012 NCYCS=00C000000014 INDICT=000090000000

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.30861738
 ** CONTROL=C0000000G01
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.48257622
 ** CONTROL=C0000000G03
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.65653506
 ** CONTROL=C0000000G03
 3 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -0.65653506

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.1864086
6. 1	0.219134	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.0242439
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.0383670	20. 1	0.
21. 1	0.	22. 1	0.6101285	23. 1	0.	24. 1	0.	25. 1	0.1142572
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.1460124	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.5088042	37. 1	0.	38. 1	0.9932659	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1123090	55. 1	0.
56. 1	0.	57. 1	0.6226407	58. 1	0.	59. 1	0.	60. 1	0.1099444
61. 1	0.	62. 1	0.	63. 1	0.4501051	64. 1	0.6889276	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.0445867	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.35108991
 ** CONTROL=00000000G01
 1 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -1.35108991

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.4239431	2. 2	0.5760569	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.42394
 SUM NO. 2 IS 0.57606

*** 30 INPUT M2 IDENTIFICATION INCORRECT.
 NEW G-WEIGHTS FROM RESULT OF INPUT 30

COMPONENT	1. 1 G-WEIGHTS	2. 1 G-WEIGHTS
0.43642744	0.51335144	0.49748230
0.495468 4	0.50244141	0.49737549
-0.96611 33	-0.57032776	-0.55721936
-0.91038960	0.60273743	0.61320496
0.61320496	0.55952454	0.21307373
-0.48093755	-0.52218628	-0.53466797
-0.48093755	-0.52218628	0.
0.49621582	0.46502686	0.56304932
0.48374039	0.48753357	0.47969055
-0.50937217	-0.45532227	-0.53332520
-0.56106567	0.25643921	0.47956848
0.41770339	0.186721 0	0.50325012
-0.59127408	-0.36022749	-0.36022949
-0.36022749	-0.36022749	0.
		0.53558350
		-0.49746704
		-0.56823730
		0.57199097
		0.21507263
		-0.48353103
		0.
		0.48832703
		-0.51284790
		-0.48709106
		0.71061707
		-0.72280884
		-0.88414001
		0.

COMPONENT 3.1 G-WEIGHTS

C.54512024	0.50578308	0.40414429	0.52998723	0.41999817
C.54241780	0.53364563	0.51785278	-0.47877942	-0.48286438
-C.46423224	-0.44490479	-0.54083252	-0.49386292	-0.44313049
-0.47530073	C.30857849	0.82633972	0.82548740	0.28798240
0.28831482	0.93879700	0.26155090	0.26228333	-0.28482737
-0.94735748	-0.28492737	-0.42729187	-0.47492676	-0.28492737
-0.42729187	-0.91821289	0.	0.	0.

COMPONENT 4.1 G-WEIGHTS

C.50871013	0.48954773	0.49401855	0.50656128	0.50000852
0.47551392	C.49028015	0.51469421	-0.52244548	-0.55378723
-0.47015381	-0.44433594	-0.51779175	-0.50677490	-0.48882284
-C.43311829	0.51504517	0.34342651	0.49994226	0.51982337
0.54040527	0.44357330	0.47195435	0.47195435	-0.50517273
-0.50948359	-0.48011780	-0.56424194	-0.48313904	-0.48011780
-C.52938679	-0.50948359	0.	0.	0.

COMPONENT 5.1 G-WEIGHTS

0.46316528	0.45826721	0.47044373	0.47782626	0.70535278
0.45950399	C.49383545	C.47169495	-0.49154463	-0.53276882
-0.47393118	-0.48426819	-0.53900144	-0.53451338	-0.48426819
-0.45762634	0.74464844	0.81488037	0.	0.86838989
C.79369591	0.81488037	0.74348450	0.	-0.34701233
-0.52691650	-0.06982422	-0.59405518	-0.54701233	-0.52691650
-0.59405519	-0.59405518	0.	0.	0.

COMPONENT 6.1 G-WEIGHTS

0.59199342	0.54078674	0.45706177	0.59013733	0.53618229
0.57345581	C.41700745	C.50773071	-0.48318481	-0.63053894
-C.44474792	-0.53114319	-C.47738159	-0.44396973	-0.52815486
-C.47297668	0.13276672	0.63039644	0.90988159	0.89536743
0.63039644	0.90988159	0.59564277	0.09536743	-0.44915771
-C.48236084	-C.40930176	-0.16760254	-0.48236684	-0.40930176
-C.63072005	-C.96891785	0.	0.	0.

COMPONENT 7.1 G-WEIGHTS

C.65299307	0.61610413	0.50146484	0.43461609	0.43196186
C.49482727	C.43484497	0.43286133	-0.55984497	-0.19172668
-C.55531665	-C.55801392	-0.55579613	-0.55932617	-0.45974731
-C.55744824	C.59510803	0.70827925	0.70825195	0.57247925
C.70825195	C.59510803	C.68271790	0.16522217	-0.39729389
-0.52242615	-C.51645227	-C.51045227	-0.53309631	-0.50242615
-C.51645227	-C.53309631	0.	0.	0.

COMPONENT 8.1 G-WEIGHTS

C.50283613	C.48582458	C.52177429	0.49560547	0.50321960
C.49788557	0.47926331	C.51383472	-0.45159912	-0.56553650
-C.50947925	-C.44624329	-C.44219971	-0.65026855	-0.47459412
-0.46040344	C.70681763	0.62033081	0.14746094	0.39627075
C.70681763	0.14746094	0.40069002	0.87551990	-0.43861553
-0.52694702	-C.43841553	-0.43841553	-0.52694702	-0.91926575
-C.27293396	-0.43841553	0.	0.	0.

COMPONENT 9.1 G-WEIGHTS

C.35937354	0.43060059	0.51438904	0.51327515	0.55023193
C.56771423	C.53309631	0.48988342	-0.50119019	-0.55491638
-C.46405029	-0.48843384	-C.49189758	-C.50642395	-0.50189209
-0.49044300	C.60661316	0.29078674	0.40394592	0.61053467
0.40394592	0.50129700	0.40002441	0.78195190	-0.50863447
-0.87444763	-C.33329773	-C.61787415	-C.71520996	-0.33329773
-C.33329773	-C.33329773	0.	0.	0.

COMPONENT 10.1 G-WEIGHTS

C.44931734	C.43234253	C.55940247	0.45896912	0.63497925
C.49319234	C.46305847	0.46722412	-0.49394226	-0.58105449
-0.51914978	-0.43230957	-0.48783575	-0.43817139	-0.49409485
-0.49294096	0.82136536	C.47122192	0.17491150	0.53959654
C.52505493	C.82136536	0.47122192	0.17491150	-0.44219971
-0.44219971	-0.44219971	-0.45674133	-0.51054382	-0.80685425
-0.44219971	-C.45674133	0.	0.	0.

COMPONENT 11.1 G-WEIGHTS

C.44418335	0.43820190	0.44644165	0.43911743	0.44206238
0.43947583	0.78079224	0.56918335	-0.55981445	-0.58053589
-C.57476107	-C.57376099	-0.57188416	-0.56112145	0.
-C.57797241	0.60437012	0.60143713	0.51174927	0.60437012
0.60437012	0.58163432	0.48593140	0.	-0.46606445
-C.49035645	-C.59260559	-0.56503296	-0.46606445	-0.46278381
-0.49035645	-0.46606445	0.	0.	0.

COMPONENT 12.1 G-WEIGHTS

C.50725370	0.51991272	0.90491333	0.51303101	0.40960693
0.52200317	0.51980591	0.50277710	-0.51840210	-0.56764221
-0.47219271	-C.51059478	-C.49945068	-0.52003479	-0.45983807
-C.45084570	0.50337219	0.42706299	0.57019643	0.35887144
0.49388123	0.57019643	0.58193970	0.49388123	-0.42951765
-0.41775523	-0.64077759	-C.50582886	-0.42951965	-0.50582886
-C.64177759	-C.42951965	0.	0.	0.

COMPONENT 13. 1 G-WEIGHTS

0.49900627
0.95493101
-0.44725537
-0.49000031
0.64209933
-0.49790005
-0.29156494

0.44743347
0.43013000
-0.51220052
0.23962622
0.06304473
-0.02170345
-0.29156494

0.49404033
0.95454007
-0.44364455
0.06304473
0.49941162
-0.51330034
0.

0.56724540
-0.95102339
-0.44002202
0.49941162
0.23962622
-0.29156494
0.

0.55900730
-0.46907043
-0.61301013
0.29562622
-0.29156494
-0.47790005
0.

COMPONENT 14. 1 G-WEIGHTS

0.46763611
0.97790072
-0.54312134
-0.54060262
0.34637719
-0.57610713
-0.20657532

0.49754333
0.9500703
-0.44041355
0.20707006
0.63143021
-0.20657532
-0.20657532

0.46305193
0.92700151
-0.55047607
0.35791016
0.5409265
-0.20657532
0.

0.45503191
-0.47500964
-0.44054736
0.61964417
0.63405710
-0.03110046
0.

0.55040694
-0.53076172
-0.45265190
0.90900176
-0.06953735
-0.57610713
0.

COMPONENT 15. 1 G-WEIGHTS

0.49325562
0.40799979
-0.51313702
-0.51025391
0.59797660
-0.45697021
-0.54669109

0.40925741
-0.44052351
-0.51073779
0.44162505
0.49476624
-0.54669109
-0.54652942

0.55027332
0.50639343
-0.51965332
0.40504456
0.40504456
-0.54652942
0.

0.50030147
-0.30709360
-0.52313232
0.30720703
0.63405710
-0.35375977
0.

0.50337219
-0.50939941
-0.51702001
0.63244629
-0.50927734
-0.45697021
0.

COMPONENT 16. 1 G-WEIGHTS

0.49950195
0.93775024
-0.51122202
-0.52275005
0.61405291
-0.51707450
-0.44311523

0.52642022
0.95332947
-0.47979734
0.61405291
0.50920204
-0.50962030
-0.50962030

0.42927551
0.54760742
-0.52590942
0.50920200
0.10173210
-0.40397027
0.

0.44157410
-0.44759033
-0.45035076
0.13342205
0.49435120
-0.50962030
0.

0.47402954
-0.49736023
-0.53623962
0.50175659
-0.50962030
-0.51707450
0.

COMPONENT 17. 1 G-WEIGHTS

0.53744507
0.46164466
-0.45294109
-0.40096790
0.60343933
-0.37057495
-0.77066440

0.40003167
0.45675459
-0.49172974
0.35770009
0.60343933
-0.52500916
-0.34500994

0.45055713
0.53071594
-0.56294250
0.70263055
0.35770009
-0.34500994
0.

0.53402056
-0.52323914
-0.55054797
0.35770009
0.17050007
-0.94905962
0.

0.53260433
-0.46022034
-0.46003069
0.75707354
-0.34500994
-0.34500994
0.

COMPONENT 18. 1 G-WEIGHTS

0.40710262
0.51420393
-0.42265320
-0.50514221
0.19102470
-0.40097046
-0.40097046

0.49263090
0.52154541
-0.52757263
0.73490906
0.52705303
-0.41067505
-0.41067505

0.52371216
0.52110291
-0.51515190
0.40050459
0.71333313
-0.31755066
0.

0.44010406
-0.49436951
-0.49435425
0.76270607
0.22499004
-0.64305906
0.

0.49067600
-0.49362103
-0.54711914
0.43646240
-0.52540500
-0.00029749
0.

COMPONENT 19. 1 G-WEIGHTS

0.50400936
0.44793701
-0.51341240
-0.51091409
0.62690735
-0.41796475
-0.72436523

0.52272334
0.51901245
-0.40074341
0.33349609
0.65016174
-0.40771404
-0.44972229

0.47509766
0.52044670
-0.40135376
0.66091479
0.36524963
-0.69261169
0.

0.40440101
-0.55540466
-0.40437500
0.66091479
0.33349609
-0.44972229
0.

0.52563677
-0.40440552
-0.40097229
0.35224915
-0.44972229
-0.40771404
0.

COMPONENT 20. 1 G-WEIGHTS

0.53492737
0.53997063
-0.35201372
-0.53460693
0.50500400
-0.40602903
-0.01579590

0.45233154
0.52003911
-0.40365674
0.55000367
0.62022400
-0.70060730
-0.52201043

0.44737671
0.45630611
-0.50517273
0.69053210
0.32644653
-0.30240051
0.

0.50952140
-0.40992920
-0.59030151
0.69053210
0.21122742
-0.30240051
0.

0.53004456
-0.51623535
-0.52523330
0.30032532
-0.30240051
-0.40602903
0.

COMPONENT 21. 1 G-WEIGHTS

0.40450062
0.52140300
-0.53000542
-0.51300049
0.43914793
-0.53190569
-0.50471252

0.53020070
0.49421692
-0.50314331
0.60640945
0.40493300
-0.53190569
-0.53190569

0.47007312
0.47008077
-0.50515747
0.53936760
0.62431965
-0.49759075
0.

0.44960022
-0.49916077
-0.43502153
0.39741516
0.55706707
-0.35543023
0.

0.50454350
-0.49970630
-0.51204790
0.43054109
-0.50471252
-0.42276001
0.

COMPONENT 22. 1 G-WEIGHTS

0.47317505
0.52630615
-0.51209360
-0.51209360
0.30121333
-0.55262756
-0.55262756

0.47496360
0.47317505
-0.40350134
0.29391479
0.25959770
-0.55262756
-0.55262756

0.47317505
0.49061504
-0.51209360
0.59102739
0.55751030
-0.63990704
0.

0.47317505
-0.45630091
-0.51209360
0.59102739
0.64400591
-0.34201050
0.

0.61344000
-0.49577332
-0.51209360
0.67912292
-0.55262756
-0.25473022
0.

COMPONENT 23. 1 G-WEIGHTS

0.49005127	0.51022000	0.49319294	0.50027444	0.49320000
0.49760615	0.50926200	0.51349204	-0.50617001	-0.48290645
-0.40147034	-0.49401201	-0.51376233	-0.49456707	-0.50000723
-0.51277161	0.44922302	0.44922302	0.61620613	0.49000045
0.43711853	0.49534407	0.57510095	0.44993337	-0.53760921
-0.45614262	-0.50550472	-0.50550472	-0.50550472	-0.50550472
-0.50550472	-0.47769 1	0.	0.	0.

COMPONENT 24. 1 G-WEIGHTS

0.52131653	0.56222534	0.55413018	0.50107117	0.56611633
0.54000404	0.56222534	0.59230450	-0.49709429	-0.48121643
-0.44924927	-0.46253967	-0.50054932	-0.45495405	-0.46306363
-0.68954468	0.27696220	0.00039722	0.50316162	0.25130093
0.03662415	0.00039722	0.50316162	0.25130093	-0.50632262
-0.33447266	-0.33447266	-0.92010490	-0.96919750	-0.50632262
-0.33447266	-0.33447266	0.	0.	0.

COMPONENT 25. 1 G-WEIGHTS

0.52670354	0.49153137	0.50995203	0.49820306	0.50990515
0.48939514	0.48565674	0.50049915	-0.49859042	-0.49190249
-0.52175903	-0.48500362	-0.47770044	-0.48602295	-0.51990075
-0.52420044	0.55673210	0.50634766	0.43031311	0.57316095
0.55673210	0.43031311	0.57293701	0.57293701	-0.50040645
-0.55554249	-0.45020607	-0.57672119	-0.63306536	-0.45020607
-0.50060665	-0.44354240	0.	0.	0.

COMPONENT 26. 1 G-WEIGHTS

0.52120972	0.50666009	0.51200496	0.50904192	0.50762001
0.49901663	0.50274650	0.44203106	-0.49030444	-0.49913025
-0.49950195	-0.50740051	-0.50679016	-0.51232910	-0.49090714
-0.50439453	0.40161133	0.50630655	0.56090429	0.57760724
0.37264437	0.56005859	0.53130733	0.49055601	-0.44662476
-0.44662476	-0.47529602	-0.45002307	-0.61603653	-0.63410950
-0.44662476	-0.47529602	0.	0.	0.

COMPONENT 27. 1 G-WEIGHTS

0.41993713	0.42700696	0.49549066	0.49264526	0.52670501
0.66955566	0.48944092	0.47330538	-0.49444500	-0.50039233
-0.49890337	-0.49012756	-0.50573730	-0.50211934	-0.46623230
-0.53290930	0.29255676	0.50876039	0.84877014	0.52210999
0.17000972	0.50876039	0.17000972	0.81799316	-0.53961102
-0.73037200	-0.21295166	-0.53961102	-0.73037200	-0.53961102
-0.10217400	-0.50003404	0.	0.	0.

COMPONENT 28. 1 G-WEIGHTS

0.50000501	0.30415527	0.49107361	0.46062793	0.63000000
0.54150494	0.49107361	0.49107361	-0.48070910	-0.50230311
-0.43752300	-0.47209004	-0.52160274	-0.49752000	-0.50605120
-0.51997375	0.50595093	0.23960074	0.54400550	0.61110774
0.52705303	0.26071167	0.56394950	0.54615704	-0.69235229
-0.16297913	-0.71345520	-0.42932129	-0.71345520	-0.42932129
-0.42932129	-0.42932129	0.	0.	0.

COMPONENT 29. 1 G-WEIGHTS

0.55003357	0.51062012	0.50665203	0.51264954	0.48600270
0.48213136	0.47547013	0.47476196	-0.47544061	-0.52400253
-0.52622906	-0.49682617	-0.48903765	-0.49453735	-0.50737000
-0.48247964	0.46360779	0.30271912	0.53540039	0.64200657
0.32205200	0.48159790	0.57219933	0.67927551	-0.49012756
-0.45555796	-0.45565796	-0.50011760	-0.64200657	-0.50946045
-0.45555796	-0.45565796	0.	0.	0.

COMPONENT 30. 1 G-WEIGHTS

0.46203613	0.45173645	0.01024170	0.45703125	0.49397603
0.46601068	0.44390499	0.46870422	-0.57539360	-0.50323376
-0.50756836	-0.23304749	-0.53930644	-0.49752000	-0.57321057
-0.56593323	0.31069946	0.	0.66101946	0.44319043
0.44165039	0.66101946	0.01335449	0.66535950	-0.72590267
-0.34803221	-0.34809221	-0.72230159	-0.50260925	-0.34809221
-0.44900810	-0.50260925	0.	0.	0.

COMPONENT 31. 1 G-WEIGHTS

0.50135003	0.52546692	0.53054010	0.43624033	0.46925354
0.47769165	0.53533936	0.52326965	-0.52262078	-0.52311707
-0.52139202	-0.36512756	-0.46221924	-0.50125122	-0.56211053
-0.54129020	0.35043335	0.57394409	0.57394409	0.5993242
0.57160950	0.30269043	0.40919495	0.59011401	-0.13145447
-0.32035020	-0.55560303	-0.74450604	-0.55325317	-0.50764405
-0.55325317	-0.55325317	0.	0.	0.

COMPONENT 32. 1 G-WEIGHTS

0.50170990	0.47512017	0.47930900	0.47996521	0.59606934
0.48095703	0.51000322	0.47573053	-0.52990352	-0.44967071
-0.53152466	-0.51762390	-0.41465759	-0.53620911	-0.49296570
-0.53100306	0.34031677	0.30047351	0.56536950	0.56713067
0.50357056	0.50196030	0.56536950	0.56713067	-0.30440049
-0.54931641	-0.48414612	-0.49955750	-0.54771423	-0.49955750
-0.54931641	-0.48574029	0.	0.	0.

COMPONENT 33. 1 G-WEIGHTS

0.49717924	0.49710003	0.4986240	0.51071167	0.49761063
0.49945068	0.50134277	0.49757385	-0.51684096	-0.50132751
-0.48739626	-0.51684570	-0.42858807	-0.42858807	-0.51683372
-0.51533188	0.42195129	C.41873160	C.44834908	0.50954989
0.49673462	0.50634969	0.50954904	0.44834908	-0.52359537
-0.52677917	-0.49716187	-0.49716187	-0.40632749	-0.52677917
-0.49716187	-C.52677917	C.	0.	0.

COMPONENT 34. 1 G-WEIGHTS

C.50519799	C.46003723	C.52345276	0.54061098	0.50242615
0.46693420	0.51315308	0.48724365	-0.49871826	-0.51097167
-0.50837708	-0.49539185	-0.46292114	-0.5292570	-0.49549866
-0.50321960	0.55247498	0.71729886	0.51539612	0.44781494
C.47186279	0.65726143	0.65713501	0.65713501	-0.49227905
-0.45410156	-0.49227905	-0.45316968	-0.29045105	-0.49227905
-0.55986223	-0.76275635	0.	0.	0.

COMPONENT 35. 1 G-WEIGHTS

C.47478649	0.49941748	0.49291792	0.48044910	0.47520447
0.48622605	0.47991943	C.61212158	-0.48712158	-0.50697327
-0.50042749	-0.52244094	-0.42791748	-0.51640320	-0.52255249
-0.50923157	0.74730645	C.	0.87512207	0.87512207
0.	0.74998845	0.	0.74998845	-0.50317383
-C.54071045	-0.54071045	0.	-0.54071045	-0.62486267
-0.62486267	-0.62486267	0.	0.	0.

COMPONENT 36. 1 G-WEIGHTS

C.38209534	0.43191528	1.00000000	0.40957642	0.52087402
C.42559814	0.41134644	0.4184755	-0.53189087	-0.50656763
-C.52568054	-0.53138733	-0.53001404	-C.57462039	-C.57462039
-0.62344366	0.82966614	0.13600159	0.15541077	0.84987532
0.82966614	0.23733521	C.15541077	0.89717468	-0.63261414
-C.53099660	-0.53099660	C.	-0.63261414	-0.53099660
-C.53099660	-0.61070251	0.	0.	0.

COMPONENT 37. 1 G-WEIGHTS

C.56644475	C.56472778	C.58250427	0.42498779	0.48046875
C.59095764	0.45599365	C.33277593	-0.44822693	-0.51097107
-C.44588778	-C.50191226	-C.52809143	-C.54180908	-0.47128296
-0.55163574	0.61050110	C.64796448	0.35183716	0.64796448
0.18930054	0.35183716	0.18930054	C.81050110	-0.23847961
-C.54251099	-C.83859253	-0.37995911	-0.23847961	-0.54251099
-C.83859253	-0.37995911	0.	0.	0.

COMPONENT 38. 1 G-WEIGHTS

0.53350830	0.46186529	0.56347656	0.46186829	0.48246765
0.48211670	0.46186829	0.55250549	-C.45987756	-0.64268494
-C.49205127	-C.49005127	-C.48913574	-0.49450684	-0.47097778
-C.46333313	0.30177117	C.63198353	0.43466187	0.43466187
C.30694520	0.63786316	0.77146912	C.48097229	-C.51647969
-0.52236938	-0.67002869	-0.52236938	-0.52236938	-C.20150757
-0.52236938	-0.52236938	0.	0.	0.

COMPONENT 39. 1 G-WEIGHTS

0.50411387	0.50550093	0.50219201	0.48925781	0.51382446
0.52775574	0.44593911	0.51031494	-C.52493286	-0.52856445
-C.34291921	-0.52873230	-0.52172552	-0.51692200	-0.52378845
-0.51202193	0.42146301	0.56831360	0.63781738	0.36506653
0.55831360	0.36506653	C.37922668	0.69421387	-0.50022888
-C.5339282	-0.56973267	-0.38064575	-0.31114197	-0.50022888
-C.5339282	-0.56973267	0.	0.	0.

COMPONENT 40. 1 G-WEIGHTS

0.50930786	C.47196960	0.48792920	0.50146484	0.52516174
0.49514771	0.51687622	C.48973083	-0.50709534	-0.50187683
-0.50143433	-0.50201416	-0.44633484	-0.53684523	-0.50201416
-0.50201416	0.48870850	C.48692322	0.59138439	0.50889587
0.42434320	0.50889587	0.48970850	0.52143860	-0.46800017
-0.56124158	-0.48098755	-0.48098755	-0.48275757	-0.56524658
-0.48098755	-0.48275757	C.	0.	0.

COMPONENT 41. 1 G-WEIGHTS

0.49946594	0.51536560	C.48670959	0.50082397	0.53115845
0.45993242	C.49934387	C.50657654	-0.49340820	-0.51829529
-C.48316936	-0.53315735	-0.46737671	-0.49367310	-0.49987793
-0.52047729	0.58305359	0.58305359	C.45640564	C.35119629
C.59837891	0.46173096	0.35652161	C.61894226	-C.42346191
-C.42346191	-0.55010986	-C.42346191	-0.42346191	-0.55010986
-0.55010986	-0.65533447	C.	C.	0.

COMPONENT 42. 1 G-WEIGHTS

0.47715759	0.47982788	C.51995450	0.50451660	0.45747375
0.5721741	0.53327942	0.51995450	-0.47120667	-0.47752330
-0.48477173	-0.48622131	-0.52296448	-0.50186431	-0.53425598
-0.52072618	0.56469727	C.45629052	0.65628052	0.26989746
C.56449727	0.65628052	C.36143071	0.26989746	-0.68666077
-0.39189148	-C.39189148	-0.77924402	-0.48347473	-0.39189148
-C.39189148	-0.48347473	0.	0.	C.

COMPONENT 43. 1 G-WEIGHTS

0.57720577	0.43246460	C.44757777	0.41496167	0.81270065
C.41572571	0.44503130	C.43090820	-0.50010601	-0.51342773
-C.50566309	-0.49205009	-0.51011218	-0.48646545	-0.53494072
-C.44712666	C.63977051	C.63977051	C.50755493	0.44099083
C.41337276	C.63374329	C.63374329	0.	-0.43703776
-C.43793776	-0.64461245	-0.52177429	-0.43793776	-0.43793776
-C.64401245	-0.43793776	0.	0.	0.

COMPONENT 44. 1 G-WEIGHTS

0.52401733	0.49995422	0.40054504	0.49340020	0.40000000
0.44252309	0.51005354	C.51053943	-0.50514221	-0.47040787
-C.21910750	-0.44567078	-C.40295593	-0.53414017	-0.49100203
-C.42565674	C.50290945	C.34722400	0.60045047	0.59122305
C.35574241	C.45210370	0.9390293	0.52224731	-0.46540349
-C.31955925	-C.43135071	-C.44045633	-0.60406677	-0.43135071
-C.43135071	-C.44040633	0.	0.	0.

COMPONENT 45. 1 G-WEIGHTS

C.54350201	0.42066516	0.49500303	0.49604143	0.44000000
C.51911926	0.53315735	0.51271057	-0.53025010	-0.45227051
-0.45661426	-0.44963774	-C.44174194	-C.49696024	-0.49696024
-C.64756773	0.36407665	C.32104490	0.73295993	0.70130343
0.27239350	0.69075912	C.79664978	0.23668335	-0.39640000
-C.42574370	-0.83073625	-0.39667000	-0.30001360	-0.30001360
-C.44654236	-0.33449219	0.	0.	0.

COMPONENT 46. 1 G-WEIGHTS

C.52777100	0.44903564	C.55049133	C.50782776	0.43057251
C.445037720	C.52255249	C.53044120	-0.54533013	-0.40425100
-0.40510742	-0.49415500	-C.44641060	-0.53617059	-0.49783325
-C.44683275	0.70945740	C.24300493	0.67353021	0.47733021
0.37295515	0.49005127	0.65222160	C.10650921	-0.40379333
-0.40379333	-C.40379333	-0.86943054	-0.40379333	-0.40379333
-0.40379333	-C.76724467	0.	0.	0.

COMPONENT 47. 1 G-WEIGHTS

C.52011000	0.51710140	0.51139032	0.52297974	0.44937134
C.49767599	C.49629211	0.49420166	-0.50773621	-0.40005337
-0.50259199	-0.51292619	-C.47991943	-0.49633099	-0.51710510
-C.49655251	C.31400037	C.43341364	0.50269714	0.57766724
C.43391404	0.43341064	0.57766724	C.63363530	-0.43100047
-C.73444002	-C.41407776	-0.42912292	-0.41407776	-0.57207590
-C.57336426	-C.42912292	0.	0.	0.

COMPONENT 48. 1 G-WEIGHTS

C.43909411	0.51607622	0.44590329	0.51649475	0.50160400
0.50326538	0.51341248	0.42280379	-0.51501465	-0.50504167
-0.16754100	-C.64250183	-C.54629517	-0.52306475	-0.54300700
-C.47485352	C.17419434	0.54033325	0.50107603	0.54033325
C.04073466	0.52746502	0.14704421	0.50746330	0.39619444
-C.42176019	-C.42176019	-0.77650091	-0.36320125	-0.42176019
-C.42176329	-C.77650081	0.	0.	0.

COMPONENT 49. 1 G-WEIGHTS

C.43373083	0.50512695	0.52040100	0.39071655	0.53909302
0.51921082	0.52111816	0.51303972	-0.52207947	-0.44523574
-C.53094492	-C.51779175	-C.51347351	-0.52142334	-0.44322632
-0.46649833	C.46507263	0.10414124	0.22700500	0.83660779
0.32502747	0.79040527	0.82022095	0.42948914	-0.39015196
-0.36035256	-0.87380981	-0.75097656	-0.39015190	-0.36035256
-0.36035256	-C.51290523	0.	0.	0.

COMPONENT 50. 1 G-WEIGHTS

0.49833679	0.53851319	0.51450740	0.40274231	0.45300320
C.53892517	0.52065613	0.47164917	-0.54420101	-0.40191033
-0.47979546	-0.54222107	-C.47079468	-0.40631207	-0.51011210
-C.47662354	C.45761100	0.66705322	C.64705322	0.39347039
C.39296309	0.63004626	C.35395413	0.43911743	-0.64462200
-C.36053467	-0.63410950	-0.36053467	-0.36053467	-0.36053467
-0.63410950	-0.64462200	0.	0.	0.

COMPONENT 51. 1 G-WEIGHTS

0.55560303	0.50363049	0.50543040	0.40009160	0.49334717
0.46835327	0.47657776	0.50563049	-0.53291321	-0.44006121
-0.54031372	-0.49579857	-0.40768433	-0.53067017	-0.51564024
-0.51564024	C.41578674	C.44434814	0.55057049	0.41578674
C.41578674	0.55057849	0.33001709	0.66000000	-0.50213006
-0.49636841	-0.49636841	-C.35359192	-0.50213006	-0.49636841
-0.49636841	-C.49636841	0.	0.	0.

COMPONENT 52. 1 G-WEIGHTS

0.40315247	0.50862427	0.50904046	0.40527344	0.53019714
0.53247070	C.49363708	C.56692505	-0.45025195	-0.56101990
-0.45043345	-0.46781921	-0.50009338	-0.55731201	-0.47203064
-0.45233154	0.37481689	0.25152508	C.83000604	0.36066760
C.24537659	0.79467773	C.33245050	0.80002703	-0.33354414
-0.35354614	-C.81579590	-0.47603716	-0.35354614	-0.35354614
-C.81579590	-C.47603716	0.	0.	0.

COMPONENT 53. 1 G-WEIGHTS

0.51007509
0.30570679
-0.34206196
-0.46394775
0.32446108
-0.40770822
-0.40670822

C.49700504
C.47200466
-C.47670246
0.61430425
0.50042400
-0.40070822
-C.42019214

0.40024063
0.40010070
-0.32410009
0.61930425
0.62300065
-C.70000701
0.

0.49770540
-0.45610646
-0.40770832
0.27420044
0.60024272
-0.75307573
0.

0.50003404
-0.40420071
-0.50417419
0.37000770
0.60024272
-0.40170822
0.

COMPONENT 54. 1 G-WEIGHTS

0.40222351
0.40307146
-0.50770621
-0.50004130
0.47001310
-0.50100400
-C.53515625

0.53004000
0.47307372
-0.50042003
0.62523004
0.70770397
-0.50323242
-0.50100400

0.54301343
0.40437500
-C.50241009
0.70362183
0.47323134
-0.20200003
0.

0.50000295
-0.40677515
-0.50770649
0.77000701
0.22241211
-0.50323242
0.

0.40222351
-0.50770621
-0.50004130
0.52100713
-0.50100400
-0.51000420
0.

COMPONENT 55. 1 G-WEIGHTS

0.50242615
0.54120020
-0.50200004
-0.40540044
0.50343323
-0.40607403
-0.45420037

C.40301724
0.47473145
-0.50016345
0.37777332
0.51007701
-C.37340030
-C.40607400

0.44031940
0.47050476
-0.50007244
0.54370117
0.50000461
-C.50570435
0.

0.52523004
-0.45141002
-0.50022070
0.63000060
0.50000461
-0.71162415
0.

0.52523004
-0.50411007
-0.52702332
0.44405637
-0.45420037
-0.50004275
0.

COMPONENT 56. 1 G-WEIGHTS

0.40200441
0.40505247
-0.52914429
-C.40735466
0.70333191
-0.34115601
-C.40530105

0.40001099
C.50510490
-C.50573501
0.704023374
0.77400311
-0.34115601
-0.37100721

0.54716492
0.47703540
-0.40001152
0.23015910
0.61100479
-0.40530105
0.

0.54510490
-0.45040009
-0.45573425
0.24401055
0.24401055
-0.07124634
0.

0.49613953
-0.44232170
-C.40000206
0.36700260
-0.74100232
-0.34115601
0.

COMPONENT 57. 1 G-WEIGHTS

0.40001099
C.40663730
-0.53041.77
-C.47613635
0.67735291
-0.54000796
-0.54000796

0.40001099
0.50343079
-C.39200056
0.54660353
0.59375305
-C.54000796
-C.63525301

0.40001099
0.49946594
-C.40011560
0.63235948
C.30503491
-C.35160405
0.

0.47070416
-0.53040267
-0.53271404
0.30700710
0.54401055
-0.54000796
0.

0.53002190
-C.53271404
-0.51014490
0.54150046
-0.20500011
-0.54000796
0.

COMPONENT 58. 1 G-WEIGHTS

0.47049214
0.40675537
-0.50000770
-0.47506741
0.51607952
-C.50570320
-0.40716736

C.55310214
0.49519340
-0.40303667
C.62922660
0.41207006
-0.40716736
-C.50500320

0.51635742
0.40019009
-0.50463067
0.39329529
0.39329529
-0.35003662
0.

0.50401306
-0.51640156
-0.51235962
0.61953735
0.62922660
-0.45069446
0.

0.40442070
-0.51033020
-0.50405774
0.41207006
-0.45069446
-0.50500320
0.

COMPONENT 59. 1 G-WEIGHTS

0.42100725
C.52550399
-0.47151104
-0.46775910
0.27070179
-0.39675903
-C.39675903

0.42919922
C.51339722
-0.50457764
0.65750277
0.50113090
-0.39675903
-0.39675903

0.50000716
C.54371643
-0.500002395
0.35516357
0.30090179
-C.69920349
0.

C.44555774
-0.46430909
-0.54709111
0.69139099
0.65759277
-0.39675903
0.

C.51162720
-0.47034770
-0.57030079
0.30090179
-0.80946350
-0.50701904
0.

COMPONENT 60. 1 G-WEIGHTS

0.49005559
0.50000472
-0.40477173
-0.52244560
C.40756220
-0.53550350
-0.39550781

0.49015369
0.50304521
-0.52012195
C.46000232
0.37344360
-0.53062000
-0.53062000

0.52514448
C.40007471
-0.52757263
0.47904442
0.50000795
-0.53550350
0.

0.40000006
-0.41250010
-0.51946547
0.62214661
C.51351929
-0.53550350
0.

0.49056787
-0.52975464
-0.47477722
0.54763794
-C.59904006
-0.32000309
0.

COMPONENT 61. 1 G-WEIGHTS

0.84043662
0.47433575
-0.52710364
-0.40435974
0.57707214
-0.37046375
-0.63713074

0.46092224
0.44177246
-0.51980220
0.57707214
0.70959656
-0.94636536
-0.40757751

0.39274597
0.46006121
-0.51200067
0.70959656
0.22492001
-0.40757751
0.

0.47216797
-0.51061572
-0.51327515
0.81669617
0.
-0.40757751
0.

0.45597039
-0.51022339
-0.41300310
0.22492001
-0.40757751
-0.40757751
0.

COMPONENT 62. 1 G-WEIGHTS

0.51361004
0.42721550
-C.49662701
-0.51444844
0.54020251
-0.61759949
-0.44613173

0.50703430
0.51361004
-C.51020413
0.54020251
0.54020251
-0.53375244
-0.61759949

0.40735046
0.54325067
-C.51223755
0.37075476
0.37075476
-0.44613173
0.

0.51361004
-0.44034900
-C.49942017
0.46000101
0.50000432
-0.44613173
0.

0.49397270
-0.49862671
-0.51945496
0.63204956
-0.44613173
-0.44613173
0.

604
871
619
878
806
822

COMPONENT 63. 1 G-WEIGHTS

0.50896536
0.49266.32
-0.49618646
-0.47339.27
0.47137870
-0.52456665
-0.52456665

0.4713464
0.51738906
-0.52748026
0.50897217
0.44518225
-0.52748026
-0.52748026

0.49298464
0.49298250
-0.47005571
0.54966736
0.44618225
-0.47937312
0.

0.51228333
-0.49298250
-0.52616882
0.46377563
0.56130901
-0.47937012
0.

0.50638714
-0.48098423
-0.50022364
0.53287997
-0.47937012
-0.47937012
0.

351
517
806
713
600
620

COMPONENT 64. 1 G-WEIGHTS

0.49247742
0.49725342
-0.53416643
-0.52516374
0.48342096
-0.61135131
-0.52796550

0.51469421
0.51058130
-0.53238706
0.54214470
0.48342096
-0.52796550
-0.52796550

0.48941048
0.50094165
-0.51500440
0.45812900
0.55371094
-0.52096550
0.

0.48941048
-0.53356934
-0.44518315
0.54744385
0.52041187
-0.53639536
0.

0.48804473
-0.53484443
-0.50908070
0.50204382
-0.53499520
-0.62155151
0.

863
807
132
137
137
175

COMPONENT 65. 1 G-WEIGHTS

0.52536111
0.44749451
-0.51802632
-0.42812947
0.42439798
-0.72390747
-0.37500000

0.51957703
0.54472351
-0.43180832
0.03132935
0.77280006
-0.73019531
-0.37500000

0.51958229
0.47048511
-0.42888152
0.15722654
0.35398865
-0.37500000
0.

0.41170894
-0.44139899
-0.52181135
0.75009135
0.37767829
-0.37500000
0.

0.55216980
-0.42798824
-0.55123988
0.46119984
-0.37500000
-0.73019531
0.

153
178
186
168
132
181

COMPONENT 66. 1 G-WEIGHTS

0.73133568
0.53723935
-0.47628894
-0.49884197
0.41835022
-0.80221559
-0.51735444

0.47673145
0.47987355
-0.51138676
0.37113953
0.47204590
-0.38821411
-0.58730790

0.44588636
0.47937312
-0.50369263
0.48443115
0.58793457
-0.51265444
0.

0.42318726
-0.53553772
-0.52931213
0.70565532
0.44915894
-0.63835676
0.

0.43882330
-0.48973483
-0.47948890
0.19844495
-0.51288444
-0.27809580
0.

90
84
90
96
111
96

COMPONENT 67. 1 G-WEIGHTS

0.52450502
0.43539429
-0.49555151
-0.47967529
0.47059326
-0.35372925
-0.91896157

0.49661255
0.50016345
-0.47658144
0.47775269
0.16857910
-0.37326050
-0.62527466

0.51918030
0.51362610
-0.50288555
0.73381042
0.52194214
-0.55372925
0.

0.55681501
-0.47278280
-0.40489388
0.73381042
0.72282623
-0.55372925
0.

0.44588636
-0.55551725
-0.53134835
0.71427917
-0.35372925
-0.66696441
0.

78
20
74
86
46
28

COMPONENT 68. 1 G-WEIGHTS

0.49984033
0.49365236
-0.50793070
-0.49664307
0.459.6257
-0.51470747
-0.55964661

0.53935242
0.49459339
-0.51107780
0.53916931
0.46176147
-0.51269531
-0.43528748

0.49639893
0.49598494
-0.50709534
0.50671387
0.53916931
-0.43528748
0.

0.48571777
-0.50091553
-0.50399788
0.1481018
0.53916931
-0.51470947
0.

0.49513245
-0.50399426
-0.47957868
0.53916931
-0.55964661
-0.46775817
0.

20
78
79
79
50
84

COMPONENT 69. 1 G-WEIGHTS

0.48475047
0.49056711
-0.53630.66
-0.44502258
0.58277993
-0.85873577
-0.267155.5

0.48896790
0.55195614
-0.51919354
0.25061035
0.88278325
-0.58676147
-0.35958862

0.47705078
0.53672791
-0.58541870
0.29292297
0.26869202
-0.28715515
0.

0.45521545
-0.42028889
-0.49774178
0.88893144
0.55873188
-0.55958862
0.

0.52379793
-0.50651950
-0.48948820
0.27465828
-0.55958862
-0.90086365
0.

87
54
22
84
86
19

COMPONENT 70. 1 G-WEIGHTS

0.51736450
0.52207747
-0.51057080
-0.37472534
0.45422363
-0.79691396
-0.44146729

0.52410889
0.49504454
-0.50378418
0.43302917
0.21150208
-0.44146729
-0.44146729

0.52108765
0.51736450
-0.50119019
0.19030762
0.54568481
-0.44146729
0.

0.47508248
-0.50442505
-0.50442505
0.54487927
0.78848637
-0.44146729
0.

0.51765442
-0.50881958
-0.59219368
0.80948883
-0.53418767
-0.44146729
0.

19
19
10
11
51
11

COMPONENT 71. 1 G-WEIGHTS

0.43575806
0.53868133
-0.47475093
-0.53497314
0.65156555
-0.38168335
-0.42893535

0.55020300
0.41082764
-0.46833801
0.48463135
0.44377134
-0.40893555
-0.40893555

0.54008484
0.46548462
-0.53742981
0.38372803
0.63977051
-0.58947754
0.

0.53308105
-0.49760437
-0.47448730
0.18772888
0.61251831
-0.70983887
0.

0.51525879
-0.53524780
-0.47634888
0.39552887
-0.70983887
-0.38168335
0.

78
16
16
3
3

COMPONENT 72. 1 G-WEIGHTS

0.50734102
0.44667053
-0.48355103
-0.47485352
0.33548448
-0.70724013
-0.43791199

0.50030518
0.54650979
-0.48303223
0.28959656
0.84338501
-0.43603845
-0.41900635

0.52997723
0.49998474
-0.48444339
0.88058777
0.55551147
-0.77516174
0.

0.51347351
-0.56166077
-0.56733704
0.67271423
0.53551147
-0.43603845
0.

0.45485933
-0.47978981
-0.48455811
0.34448132
-0.36213684
-0.43791199
0.

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.22049435
 ** CONTROL=00900000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40702514
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.58555594
 ** CONTROL=00700000003
 3 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -0.58555594

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.0302764	8. 1	0.	9. 1	0.	10. 1	0.5441364
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.0814841	19. 1	0.	20. 1	0.
21. 1	0.2465539	22. 1	0.6840737	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.5586028	29. 1	0.0730031	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.6418587	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.4051171	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.6194390	58. 1	0.1787312	59. 1	0.	60. 1	0.2718574
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.3734806
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.24629194
 ** CONTROL=00000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -0.24629194

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0030128	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	1.20501								
SUM NC. 2 IS	0.								

*** 34 INPUT M3 IDENTIFICATION CORRECT
 MINPS=00000000007 NCVCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.44836032
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.91229136
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.37622240
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.14425689
 ** CONTROL=00700000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.14425689

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.1488269	4. 1	0.5572933	5. 1	0.0810054
6. 1	0.2160279	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.8161384
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.3009355	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.0979425	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.2624723	29. 1	0.2421844	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.5937308
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.2232583	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.0525847	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0149882	60. 1	0.3768460
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.39403586
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.68440296
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.53921941
 ** CONTROL=00000000007
 3 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.53921941

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2048695	2. 2	0.7511477	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.20487								
SUM NC. 2 IS	0.75115								

*** 35 INPUT M3 IDENTIFICATION CORRECT
 MINPS=00000000006 NCVCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.0358768
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.10082969
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06833369
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.08458167
 ** CONTROL=00000000007

4 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = 0.08450167

Table with 12 columns: COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT. Rows 1-71 showing numerical data for levels 1 through 71.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.48160715
CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.89240590
CONTROL=C000C0000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.68700653
CONTROL=000000000007
3 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.68700653

Table with 12 columns: COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT. Rows 1-2 showing data for level 2.

*** 36 INPUT H4 IDENTIFICATION CORRECT
MIMPS=000000000005 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37577376
CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.85049988
CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.32522601
CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.08786295
CONTROL=C000G0000007
4 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.08786295

Table with 12 columns: COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT. Rows 1-71 showing numerical data for level 1.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
CONTROL=000000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.49113533
CONTROL=000000000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.99556766
CONTROL=000000000007
3 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.99556766

Table with 12 columns: COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT. Rows 1-2 showing data for level 2.

*** 37 INPUT V4 IDENTIFICATION CORRECT
MIMPS=000000000004 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
CONTROL=C000C0000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
CONTROL=000000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.83018209
CONTROL=000000000003
ARITHMETIC OVERFLOW OCCURED AT LOC 22135
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.02325770
CONTROL=000000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.61579551
CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.41206442
CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.31019887
CONTROL=000000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.36113164
CONTROL=C000C0000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.38659802
CONTROL=C000C0000007

BIAS CHANGES

LEVEL 1 MS = C.C999999 BIAS = 0.3865982

Table with 10 columns: COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT. Rows 1-71 showing numerical data for various levels.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
CONTROL=C0C0000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.22536066
CONTROL=C0C0000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.86288633
CONTROL=C0C0000007
3 BIAS CHANGES

LEVEL 2 MS = C. BIAS = 0.86288633

Table with 10 columns: COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT. Rows 1-2 showing numerical data for level 2.

*** 38 INPUT M# IDENTIFICATION INCORRECT.
M#MPS=0C000000004 MCVCS=C0C00000013 INDICT=C0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
CONTROL=C0C0000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
CONTROL=C0C0000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.48611103
CONTROL=C0C0000001
3 BIAS CHANGES

LEVEL 1 MS = C.C999999 BIAS = 0.48611103

Table with 10 columns: COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT. Rows 1-71 showing numerical data for level 1.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
CONTROL=C0C0000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.64765422
CONTROL=C0C0000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.07382712
CONTROL=C0C0000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.78691357
CONTROL=C0C0000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.93037035
CONTROL=C0C0000007
5 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.93037035

Table with 10 columns: COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT. Rows 1-2 showing numerical data for level 2.

*** 39 INPUT M# IDENTIFICATION INCORRECT.
M#MPS=0C000000004 MCVCS=C0C00000012 INDICT=C0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
CONTROL=C0C0000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330
CONTROL=C0C0000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.48611103
CONTROL=C0C0000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 3.11559561
CONTROL=C0C0000003
ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.80085333
CONTROL=C0C0000003
ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.14348218
CONTROL=C0C0000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.81479661
CONTROL=C0C0000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.65045384
CONTROL=C0C0000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.56828246
CONTROL=C0C0000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.60936815
CONTROL=C0C0000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.58882530
CONTROL=C0C0000007

1. BIAS CHANGES

LEVEL 1 MS = 0.2779999 BIAS = 0.5882530

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1029413	2. 1	0.1075107	3. 1	0.1226534	4. 1	0.1006541	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.0740945	9. 1	0.1157776	10. 1	0.
11. 1	0.074968	12. 1	0.0498484	13. 1	0.1036733	14. 1	0.1170534	15. 1	0.0003993
16. 1	0.1170470	17. 1	0.1583075	18. 1	0.1233740	19. 1	0.0766497	20. 1	0.1029107
21. 1	0.	22. 1	0.	23. 1	0.140760	24. 1	0.1420348	25. 1	0.0999772
26. 1	0.1416936	27. 1	0.	28. 1	0.	29. 1	0.0909736	30. 1	0.1128277
31. 1	0.1049330	32. 1	0.1296176	33. 1	0.	34. 1	0.1093663	35. 1	0.
36. 1	0.	37. 1	0.0759693	38. 1	0.	39. 1	0.	40. 1	0.0509709
41. 1	0.0783637	42. 1	0.1212610	43. 1	0.1059430	44. 1	0.1106497	45. 1	0.0805125
46. 1	0.1161226	47. 1	0.1181608	48. 1	0.	49. 1	0.0984934	50. 1	0.0986299
51. 1	0.	52. 1	0.1145613	53. 1	0.1008155	54. 1	0.	55. 1	0.1131620
56. 1	0.0392563	57. 1	0.	58. 1	0.	59. 1	0.1140351	60. 1	0.
61. 1	0.1642135	62. 1	0.	63. 1	0.0813780	64. 1	0.1021653	65. 1	0.0047903
66. 1	0.1065196	67. 1	0.1209956	68. 1	0.1028971	69. 1	0.0966000	70. 1	0.
71. 1	0.1000429	72. 1	0.1300463	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
** CONTROL=0000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 4.12689632
** CONTROL=0000000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.31344916
** CONTROL=0000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.40672498
** CONTROL=0000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.95336205
** CONTROL=0000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.19004306
** CONTROL=0000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.06670256
** CONTROL=0000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.01003231
** CONTROL=0000000007
0 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 1.31003231

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3814307	2. 2	0.6311887	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 15	0.38143								
SUM NO. 2 15	0.63119								

*** 40 INPUT W/ IDENTIFICATION INCORRECT.
MIPS=0000000004 NCYCS=0000000011 INDICT=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443 ** CONTROL=0000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20833330 ** CONTROL=0000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.48611103 ** CONTROL=0000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 95.20499992 ** CONTROL=0000000003
ARITHMETIC OVERFLOW OCCURED AT LOC 22135 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 47.84555578 ** CONTROL=0000000003
ARITHMETIC OVERFLOW OCCURED AT LOC 22135 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 24.16583323 ** CONTROL=0000000003
ARITHMETIC OVERFLOW OCCURED AT LOC 22135 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 12.32597220 ** CONTROL=0000000003
ARITHMETIC OVERFLOW OCCURED AT LOC 22135 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 6.40604162 ** CONTROL=0000000003
ARITHMETIC OVERFLOW OCCURED AT LOC 22135 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 3.44607636 ** CONTROL=0000000003
ARITHMETIC OVERFLOW OCCURED AT LOC 22135 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.96609373 ** CONTROL=0000000003
ARITHMETIC OVERFLOW OCCURED AT LOC 22135 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.22610241 ** CONTROL=0000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.85610676 ** CONTROL=0000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.67110893 ** CONTROL=0000000007

13 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = 0.67110893

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0815577	2. 1	0.0800336	3. 1	0.1484325	4. 1	0.0817888	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.0719332	9. 1	0.1157766	10. 1	0.0313592
11. 1	0.0769640	12. 1	0.0667052	13. 1	0.0649658	14. 1	0.0900459	15. 1	0.0635836
16. 1	0.0989598	17. 1	0.0975386	18. 1	0.1166959	19. 1	0.0877105	20. 1	0.0830373
21. 1	0.	22. 1	0.	23. 1	0.1198171	24. 1	0.1744087	25. 1	0.0827622
26. 1	0.1195106	27. 1	0.0903358	28. 1	0.	29. 1	0.0745984	30. 1	0.0964649
31. 1	0.0752160	32. 1	0.1185120	33. 1	0.	34. 1	0.0914311	35. 1	0.
36. 1	0.	37. 1	0.0747855	38. 1	0.	39. 1	0.	40. 1	0.0793650
41. 1	0.0707998	42. 1	0.0856964	43. 1	0.0944188	44. 1	0.0967904	45. 1	0.0770194
46. 1	0.0791044	47. 1	0.0983472	48. 1	0.	49. 1	0.0860626	50. 1	0.0652605
51. 1	0.	52. 1	0.0959621	53. 1	0.0836491	54. 1	0.	55. 1	0.0908821
56. 1	0.0791848	57. 1	0.	58. 1	0.	59. 1	0.0949033	60. 1	0.
61. 1	0.1333367	62. 1	0.	63. 1	0.0707946	64. 1	0.0798255	65. 1	0.0006618
66. 1	0.07869	67. 1	0.1197138	68. 1	0.0780594	69. 1	0.0893988	70. 1	0.
71. 1	0.079532	72. 1	0.0780799	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.50000000
** CONTROL=0000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.34216729
** CONTROL=0000000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.42108366
** CONTROL=0000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.96054194
** CONTROL=0000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.73027094
** CONTROL=0000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.84540638
** CONTROL=0000000007

MINPS=0600000001 NCVCS=0000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40557347
CONTROL=0000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.90896673
CONTROL=0000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.41241999
CONTROL=0000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.16070837
CONTROL=0000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.03485256
CONTROL=0000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.09778047
CONTROL=0000000007
6 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.09778047

Table with 8 columns: COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT. Rows 1-71 showing numerical data for various components.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.21406536
CONTROL=0000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.42813073
CONTROL=0000000003
2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.42813073

Summary table with 8 columns: COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT. Rows for SUP NC. and SUM NC. with values like 1 IS, 2 IS, 1.000000, 0.0, 0.0, 0.0, 0.0.

*** 44 INPUT V6 IDENTIFICATION CORRECT
INCORRECT RESPONSES THIS CYCLE = 5
MINPS=0600000001 NCVCS=0000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.33101156
CONTROL=0000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.58286154
CONTROL=0000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.83471152
CONTROL=0000000003
3 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -0.83471152

Table with 8 columns: COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT, COMP., OUTPUT. Rows 1-71 showing numerical data for various components.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
CONTROL=0000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
CONTROL=0000000001
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -23.48346374
CONTROL=0000000003
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -12.49173188
CONTROL=0000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -6.99586594
CONTROL=0000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -4.24793297
CONTROL=0000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.87396649
CONTROL=0000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.18698326
CONTROL=0000000007
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.53047487
CONTROL=0000000007

9 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -2.53047487

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9280155	2. 2	0.	0. 0	0.	0. c	0.	0. 0	0.
SUM NO. 1 IS	0.92802								
SUM NO. 2 IS	0.								

*** 45 INPUT M1 IDENTIFICATION CORRECT
NINPS=00000000013 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37691055
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.03064153
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.60437271
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.35750717
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.35750717

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.3289408	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.5133183	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.4636215	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.6358852
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.5200662
31. 1	0.3583788	32. 1	0.1758133	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.6918232	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.2664019	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.5704770	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.6645074	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =		0.27647203							
** CONTROL=00000000001									
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =		0.55294409							
** CONTROL=00000000003									
2 BIAS CHANGES									

LEVEL 2 MS = 0. BIAS = 0.55294409

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.00000								

*** 46 INPUT V1 IDENTIFICATION CORRECT
NINPS=00000000012 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.33476889
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.50842570
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.68208250
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.59525411
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.63866830
 ** CONTROL=00000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -0.63866830

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.0091808	3. 1	0.	4. 1	0.	5. 1	0.0384411
6. 1	0.1453924	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.1141642
11. 1	0.	12. 1	0.	13. 1	0.1023560	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.2795106	20. 1	0.
21. 1	0.	22. 1	0.2246769	23. 1	0.	24. 1	0.	25. 1	0.2142209
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.0736987	30. 1	0.
31. 1	0.	32. 1	0.3275190	33. 1	0.2616175	34. 1	0.	35. 1	0.
36. 1	0.3005495	37. 1	0.	38. 1	0.5956912	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.1936303	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.2709343	55. 1	0.
56. 1	0.	57. 1	0.2303140	58. 1	0.	59. 1	0.	60. 1	0.3925955
61. 1	0.	62. 1	0.	63. 1	0.4139465	64. 1	0.2063297	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.2789577	69. 1	0.	70. 1	0.1836591
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =		-0.39958540							
** CONTROL=00000000001									
LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS =		-0.52597469							
** CONTROL=00000000003									
2 BIAS CHANGES									

LEVEL 2 MS = 0. BIAS = -0.52597469

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0656478	2. 2	0.	0. 0	0.	0. c	0.	0. 0	0.
SUM NO. 1 IS	1.06565								
SUM NO. 2 IS	0.								

*** 47 INPUT M2 IDENTIFICATION CORRECT
NINPS=00000000011 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.34718983
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.82347541
 ** CONTROL=C0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.29974098
 ** CONTROL=C0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.06161819
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.06161819

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.0957111	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.5707245	17. 1	0.	18. 1	0.	19. 1	0.2363355	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.1500093	24. 1	0.7300357	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.2100474	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.6097430	42. 1	0.9152 55	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.5006987	48. 1	0.4399100	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.4417392	58. 1	0.	59. 1	0.	60. 1	0.1401862
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.2109628	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49931753
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.65585355
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -0.65585355

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0818135	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	0.								
SUM NO. 2 IS	1.08181								

*** 48 INPUT V2 IDENTIFICATION CORRECT
 MINPS=00000000010 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.35584211
 ** CONTROL=C0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.60406940
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.85229668
 ** CONTROL=C0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.10052396
 ** CONTROL=C0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.97641033
 ** CONTROL=00000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -0.97641033

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.6348790
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.0707215	22. 1	0.9495694	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.6126864	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.6281001	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.3536240	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.8524164	58. 1	0.0439960	59. 1	0.	60. 1	0.2857462
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.2990480
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.77747974
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.42053179
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -1.42053179

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0608533	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NO. 1 IS	1.06085								
SUM NO. 2 IS	0.								

*** 49 INPUT M3 IDENTIFICATION CORRECT
 MINPS=00000000007 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.45231110
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.92612220
 ** CONTROL=C0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.39993331
 ** CONTROL=C0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.16302776
 ** CONTROL=00000000007

2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.02140950

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.	2. 2	1.000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS C.
SUM NO. 2 IS 1.00000

*** 52 INPUT V4 IDENTIFICATION CORRECT
 NINPS=00000000004 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20033330
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.40611103
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.00365415
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.64488259
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.56549682
 ** CONTROL=00000000007
 6 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = 0.56549682

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.1310061	2. 1	0.1456934	3. 1	0.2078478	4. 1	0.1879781	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.1575156	9. 1	0.2770983	10. 1	0.0406292
11. 1	0.0677990	12. 1	0.0199564	13. 1	0.	14. 1	0.1419367	15. 1	0.1043463
16. 1	0.1594647	17. 1	0.0982392	18. 1	0.1019044	19. 1	0.	20. 1	0.0048327
21. 1	0.	22. 1	0.	23. 1	0.1549826	24. 1	0.2210912	25. 1	0.0141935
26. 1	0.1919228	27. 1	0.	28. 1	0.	29. 1	0.1114045	30. 1	0.1501936
31. 1	0.2379020	32. 1	0.	33. 1	0.	34. 1	0.1444305	35. 1	0.
36. 1	0.	37. 1	0.0037899	38. 1	0.	39. 1	0.0055406	40. 1	0.1009500
41. 1	0.2115912	42. 1	0.	43. 1	0.1553275	44. 1	0.0569324	45. 1	0.1127306
46. 1	0.0721579	47. 1	0.0948233	48. 1	0.	49. 1	0.1003752	50. 1	0.
51. 1	0.	52. 1	0.1129195	53. 1	0.0911988	54. 1	0.	55. 1	0.
56. 1	0.0636710	57. 1	0.	58. 1	0.	59. 1	0.0740045	60. 1	0.
61. 1	0.2094879	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.3275497	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.0460508	72. 1	0.0582865	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.24445325
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.48890652
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.48890652

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	C.	2. 2	1.000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS C.
SUM NO. 2 IS 1.00000

*** 53 INPUT M5 IDENTIFICATION INCORRECT.
 NINPS=00000000004 NCYCS=00000000013 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20033330
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.40611103
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 13.27718914
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22135
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 6.08165009
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22135
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 3.68388057
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22135
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 2.00499581
 ** CONTROL=00000000003
 ARITHMETIC OVERFLOW OCCURED AT LOC 22135
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.20555343
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.88583224
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.68597165
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.58604136
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.63600650
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.66098908
 ** CONTROL=00000000007

13 BIAS CHANGES

LEVEL 1 NS = 0.00000000 BIAS = 0.66000000

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0799949	2. 1	0.0946514	3. 1	0.1712995	4. 1	0.0937242	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.1006095	9. 1	0.2320032	10. 1	0.0999444
11. 1	0.0022432	12. 1	0.0940916	13. 1	0.0994091	14. 1	0.0006092	15. 1	0.0766390
16. 1	0.1000306	17. 1	0.0924000	18. 1	0.1263331	19. 1	0.	20. 1	0.0022432
21. 1	0.	22. 1	0.	23. 1	0.1464963	24. 1	0.1601505	25. 1	0.0942974
26. 1	0.1622230	27. 1	0.0671205	28. 1	0.	29. 1	0.1079960	30. 1	0.1079190
31. 1	0.0903076	32. 1	0.0427973	33. 1	0.	34. 1	0.1147172	35. 1	0.
36. 1	0.	37. 1	0.1053722	38. 1	0.	39. 1	0.0916332	40. 1	0.0073452
41. 1	0.0476510	42. 1	0.0607310	43. 1	0.0091724	44. 1	0.1032349	45. 1	0.1100054
46. 1	0.1209925	47. 1	0.1050060	48. 1	0.	49. 1	0.1124447	50. 1	0.0040057
51. 1	0.	52. 1	0.1114370	53. 1	0.0966795	54. 1	0.	55. 1	0.0799944
56. 1	0.1054914	57. 1	0.	58. 1	0.	59. 1	0.1016453	60. 1	0.
61. 1	0.1023270	62. 1	0.0703530	63. 1	0.0061447	64. 1	0.0503069	65. 1	0.1001327
66. 1	0.0613413	67. 1	0.1020423	68. 1	0.0230004	69. 1	0.0612029	70. 1	0.
71. 1	0.0973704	72. 1	0.0040367	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.30000000
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 3.76499692
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.13249047
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.31624925
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.90012444
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.11210694
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.01015500
 ** CONTROL=00000000007
 7 BIAS CHANGES

LEVEL 2 NS = 0. BIAS = 1.01015500

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.2602344	2. 2	0.6429500	0. 0	0.	3. C	0.	0. 0	0.
SUM NO. 1 IS	0.26034								
SUM NO. 2 IS	0.64296								

*** 34 INPUT NS IDENTIFICATION INCORRECT.
 NINPS=00000000004 NCTCS=06000000012 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.20033330
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.40611103
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.04166649
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.76300076
 ** CONTROL=00000000005
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.62499990
 ** CONTROL=00000000005
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.69444433
 ** CONTROL=00000000005
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.72916654
 ** CONTROL=00000000005
 8 BIAS CHANGES

LEVEL 1 NS = 0.00000000 BIAS = 0.72916654

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0623294	2. 1	0.0036773	3. 1	0.2102059	4. 1	0.0707667	5. 1	0.
6. 1	0.	7. 1	0.0344180	8. 1	0.0610207	9. 1	0.1900002	10. 1	0.0002390
11. 1	0.0400500	12. 1	0.0540634	13. 1	0.0446711	14. 1	0.0690167	15. 1	0.0694400
16. 1	0.0894000	17. 1	0.0911036	18. 1	0.1035004	19. 1	0.	20. 1	0.0663472
21. 1	0.0292620	22. 1	0.	23. 1	0.1032480	24. 1	0.2223742	25. 1	0.0626144
26. 1	0.1401013	27. 1	0.0915201	28. 1	0.	29. 1	0.0737564	30. 1	0.0033509
31. 1	0.0653053	32. 1	0.0774935	33. 1	0.	34. 1	0.0747599	35. 1	0.
36. 1	0.	37. 1	0.1272916	38. 1	0.	39. 1	0.0915310	40. 1	0.0594263
41. 1	0.0501221	42. 1	0.0714606	43. 1	0.0728340	44. 1	0.0769030	45. 1	0.0017457
46. 1	0.0833744	47. 1	0.0953642	48. 1	0.	49. 1	0.0002336	50. 1	0.0600693
51. 1	0.	52. 1	0.1047656	53. 1	0.0654399	54. 1	0.	55. 1	0.0090550
56. 1	0.0750000	57. 1	0.	58. 1	0.0008124	59. 1	0.0002400	60. 1	0.
61. 1	0.2043705	62. 1	0.0715010	63. 1	0.0657240	64. 1	0.0666630	65. 1	0.0662370
66. 1	0.0795702	67. 1	0.1207017	68. 1	0.0610900	69. 1	0.0002330	70. 1	0.
71. 1	0.0693023	72. 1	0.0706659	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.30000000
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 2.29622056
 ** CONTROL=00000000003
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 1.39011420
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.94905715
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.72452050
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.83679206
 ** CONTROL=00000000007
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.89292499
 ** CONTROL=00000000007

00446
06390
22462
42976
79190
73452
09056
04057
79946
01327

7 BIAS CHANGES

LEVEL 2 MS = C. BIAS = 0.00202499
COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 2 0.5632383 2. 2 0.5703401 0. 0 0.
SUM NC. 1 IS 0.0000000
SUM NC. 2 IS 0.0000000

*** 55 INPUT MS IDENTIFICATION CORRECT
MIPS=00000000001 NCVCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.3090572
** CONTROL=00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.07914040
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.30037390
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.11776124
** CONTROL=00000000007
4 BIAS CHANGES

LEVEL 1 MS = 0.00000000 BIAS = -1.11776124
COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 1 0. 2. 1 0.3429050 3. 1 0. 4. 1 0. 5. 1 0.
6. 1 0. 7. 1 0. 8. 1 0.3704007 9. 1 0. 10. 1 0.
11. 1 0. 12. 1 0. 13. 1 0. 14. 1 0. 15. 1 0.
16. 1 0. 17. 1 0. 18. 1 0. 19. 1 0. 20. 1 0.
21. 1 0. 22. 1 0. 23. 1 0. 24. 1 0. 25. 1 0.
26. 1 0.0730920 27. 1 0. 28. 1 0. 29. 1 0. 30. 1 0.
31. 1 0. 32. 1 0. 33. 1 0. 34. 1 0.7061000 35. 1 0.
36. 1 0. 37. 1 0. 38. 1 0. 39. 1 0.4244172 40. 1 0.
41. 1 0. 42. 1 0. 43. 1 0. 44. 1 0.2110331 45. 1 0.
46. 1 0. 47. 1 0. 48. 1 0. 49. 1 0. 50. 1 0.7450000
51. 1 0. 52. 1 0. 53. 1 0. 54. 1 0. 55. 1 0.0044000
56. 1 0. 57. 1 0. 58. 1 0. 59. 1 0. 60. 1 0.
61. 1 0. 62. 1 0. 63. 1 0.3004416 64. 1 0.3390419 65. 1 0.1490400
66. 1 0.0913950 67. 1 0.0907103 68. 1 0. 69. 1 0. 70. 1 0.
71. 1 0. 72. 1 0. 0. 0. 0. 0. 0. 0. 0.
6 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.
COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 2 0. 2. 2 1.0000000 0. 0 0.
SUM NC. 1 IS 0.
SUM NC. 2 IS 1.0000000

*** 56 INPUT MS IDENTIFICATION CORRECT
MIPS=00000000002 NCVCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.02350222
** CONTROL=00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.00269261
** CONTROL=00000000003
2 BIAS CHANGES

LEVEL 1 MS = 0.00000000 BIAS = 0.00269261
COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 1 0.1013091 2. 1 0. 3. 1 0.2730267 4. 1 0. 5. 1 0.3006306
6. 1 0.2259979 7. 1 0. 8. 1 0.1306793 9. 1 0. 10. 1 0.
11. 1 0. 12. 1 0.1566310 13. 1 0. 14. 1 0. 15. 1 0.2210120
16. 1 0. 17. 1 0. 18. 1 0. 19. 1 0. 20. 1 0.1173124
21. 1 0. 22. 1 0. 23. 1 0. 24. 1 0.0510302 25. 1 0.
26. 1 0. 27. 1 0.2491779 28. 1 0. 29. 1 0. 30. 1 0.2009720
31. 1 0. 32. 1 0. 33. 1 0. 34. 1 0.2053706 35. 1 0.4723200
36. 1 0.3054627 37. 1 0. 38. 1 0. 39. 1 0.4092449 40. 1 0.
41. 1 0.0361296 42. 1 0. 43. 1 0.0104773 44. 1 0. 45. 1 0.0007070
46. 1 0. 47. 1 0. 48. 1 0.2744409 49. 1 0.0403170 50. 1 0.
51. 1 0. 52. 1 0. 53. 1 0. 54. 1 0. 55. 1 0.
56. 1 0.0718026 57. 1 0. 58. 1 0. 59. 1 0. 60. 1 0.
61. 1 0.066700 62. 1 0.0441692 63. 1 0. 64. 1 0. 65. 1 0.
66. 1 0.5405420 67. 1 0. 68. 1 0. 69. 1 0.0430205 70. 1 0.
71. 1 0. 72. 1 0.1004546 0. 0 0. 0. 0. 0.
0 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.
COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT COMP. OUTPUT
1. 2 1.0000000 2. 2 0. 0. 0 0.
SUM NC. 1 IS 1.0000000
SUM NC. 2 IS 0.

*** 57 INPUT MS IDENTIFICATION CORRECT
MIPS=00000000001 NCVCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.43199375
** CONTROL=00000000001
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.00549336
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.57090296
** CONTROL=00000000003
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.29224317
** CONTROL=00000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.14006020
** CONTROL=00000000007
LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.22059572
** CONTROL=00000000007

02390
94600
63472
26144
33509
94263
17457
00693
98550
62370

6 BIAS CHANGES

LEVEL 1 MS = 0.00000000 BIAS = -1.2205572

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3910012	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.5173129	13. 1	0.	14. 1	0.2026376	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.2225953	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.1609341
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.2919022	32. 1	0.	33. 1	0.2099603	34. 1	0.	35. 1	0.
36. 1	0.2927122	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.1110726	44. 1	0.1130160	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1914793	55. 1	0.8035427
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.6702704	63. 1	0.0092414	64. 1	0.1221110	65. 1	0.4276710
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.08982006
CONTROL=0000000001
1 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -0.08982006

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0898201	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	1.08982								

*** 58 INPUT V6 IDENTIFICATION CORRECT
INCORRECT RESPONSES THIS CYCLE = 2
MINPS=00000000014 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37727386
CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.67258547
CONTROL=0000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.96789709
CONTROL=0000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.26320870
CONTROL=0000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.11555290
CONTROL=0000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.04172501
CONTROL=0000000007
6 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.04172501

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.9331935
6. 1	0.4650923	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.4780203	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.9049239
36. 1	0.8700226	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.4941153	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.0908103	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.5464916	67. 1	0.	68. 1	0.	69. 1	0.1156529	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.49999999
CONTROL=0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49999996
CONTROL=0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -3.49999988
CONTROL=0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.49999991
CONTROL=0000000005

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.99999991
CONTROL=0000000005

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.74999991
CONTROL=0000000005

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.62499994
CONTROL=0000000005
7 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -2.62499994

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.9875581	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.98756								
SUM NC. 2 IS	0.								

*** 59 INPUT M1 IDENTIFICATION CORRECT
MINPS=00000000013 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.38437611
CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.11940943
CONTROL=0000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.85444275
CONTROL=0000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.48692609
CONTROL=0000000007

4 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.48692609

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.3201142	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.5725320	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.5699678	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.5093247
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.3291269
31. 1	0.2267141	32. 1	0.2433319	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.5778821	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.2453946	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.4914986	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.5469830	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.30030240
 ** CONTROL=C00C00000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.60060483
 ** CONTROL=C00C00000003
 2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.60060483

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.

SUM NO. 1 IS 0.
 SUM NO. 2 IS 1.0000000

*** 60 INPUT V1 IDENTIFICATION CORRECT
 NEW G-WEIGHTS FROM RESULT OF INPUT 60

COMPONENT 1. 1 G-WEIGHTS

0.50483704	0.57144165	0.50755310	0.49267578	0.48643494
0.44351196	0.50842285	0.48423767	-0.08863356	-0.62813857
-0.43121033	-0.48261719	-0.37592773	-0.42919617	-0.24582334
-0.49812317	0.67668152	0.48693542	0.39474487	0.87588665
0.68693542	0.57379150	0.10511780	0.	-0.44898759
-0.45782471	-0.75828662	-0.57339478	-0.26501465	-0.26501465
-0.45782471	-0.75828662	0.	0.	0.

COMPONENT 2. 1 G-WEIGHTS

0.47207336	0.39421082	0.48683167	0.51678467	0.41053772
0.40786743	0.44023132	0.47083740	-0.63281250	-0.32751465
-0.83948039	-0.57702637	-0.42082214	-0.37765503	-0.54198646
-0.46191406	0.	0.64828491	0.92308044	0.92308044
0.42254639	0.22807312	0.29002380	0.56483459	-0.34008911
-0.461770630	-0.33425903	-0.33425903	-0.41711426	-0.98497069
-0.33425903	-0.41711426	0.	0.	0.

COMPONENT 3. 1 G-WEIGHTS

0.53686523	0.48968506	0.36802673	0.52731323	0.38439941
0.53533936	0.47817688	0.47946167	-0.07888794	-0.57286726
-0.47030640	-0.52290344	-0.38015442	-0.74917603	-0.49598694
-0.52954679	0.	1.00000000	0.86236572	0.29498552
0.57395935	0.86236572	0.06165967	0.34069824	-0.36145820
-0.78222656	-0.36145020	-0.48908997	-0.20851135	-0.36145820
-0.48908997	-0.94648743	0.	0.	0.

COMPONENT 4. 1 G-WEIGHTS

0.53968311	0.45059204	0.47242737	0.51188640	0.47627258
0.51070880	0.50892639	0.52925110	-0.60971069	-0.17846680
-0.53631592	-0.43446187	-0.66853333	-0.45834351	-0.57180786
-0.54162599	0.63815308	0.66693442	0.66964722	0.31190491
0.28041077	0.49854187	0.48692322	0.48692322	-0.14962769
-0.46488953	-0.43650818	-0.79116821	-0.82267761	-0.43650818
-0.43338013	-0.46488953	0.	0.	0.

COMPONENT 5. 1 G-WEIGHTS

0.46754456	0.42402649	0.43620300	0.45481873	0.85624695
0.42536726	0.49288940	0.44287109	-0.47863770	-0.57264709
-0.49438477	-0.48037556	-0.59321112	-0.58903503	-0.49314296
-0.29593740	0.76681519	0.78292847	0.	0.
0.83361316	0.78292847	0.83361816	0.	-0.36151123
-0.59136108	0.	-0.72470093	-0.36151123	-0.59136108
-0.72470093	-0.72470093	0.	0.	0.

COMPONENT 6. 1 G-WEIGHTS

0.51640320	0.43006897	0.36946106	0.60671997	0.99302673
0.46296011	0.33988933	0.28140259	-0.37943724	-0.78294495
-0.52404795	-0.19007974	-0.58981323	-0.48806763	-0.60330700
-0.27189636	0.	0.87925720	0.94474792	0.
0.87925720	0.94474792	0.35194397	0.	0.
-0.48947144	-0.63511658	0.	-0.48947144	-0.63511658
-0.84039707	-0.91041565	0.	0.	0.

COMPONENT 7. 1 G-WEIGHTS

0.91860962	0.77220154	0.54855347	0.33618164	0.33952661
0.41111735	0.34342957	0.33963232	-0.61396790	0.
-0.60997854	-0.61196899	-0.38700562	-0.61406816	-0.34858704
-0.61263220	0.58830261	0.56987000	0.81267212	0.56987000
0.81267212	0.40656738	0.	0.	-0.28899991
-0.39636235	-0.56211853	-0.58276367	-0.60540771	-0.39636230
-0.56211853	-0.40540771	0.	0.	0.

COMPONENT 8. 1 G-WEIGHTS

0.45726613	0.44326672	0.51293945	0.44833801	0.45676133
0.61259839	0.56137085	0.47827148	-0.48025513	-0.48454285
-0.52845766	-0.50550842	-0.46857397	-0.52059937	-0.52939964
-0.48454902	0.83226913	0.62641907	0.23175523	0.59994507
0.83226913	0.23175523	9.18398220	0.46182251	-0.35973647
-0.56762695	-0.47608948	-0.35975647	-0.56762695	-0.88162231
-0.31066791	-0.47608948	0.	0.	0.

COMPONENT 9. 1 G-WEIGHTS

0.39956311	0.54408264	0.57430420	0.49513245	0.55795288
0.47792033	0.48155212	0.56944275	-0.53643799	-0.40498352
-0.46121216	-0.47390720	-0.53944617	-0.51303101	-0.53789801
-0.51771545	0.95635906	0.08551025	0.26470837	0.95635906
0.26470837	0.57344035	0.26289368	0.63185120	-0.02850342
-0.91447449	-0.42677307	-0.50219727	-0.84768677	-0.42677307
-0.42677307	-0.42677307	0.	0.	0.

COMPONENT 10. 1 G-WEIGHTS

0.44444539	0.17906189	0.69317627	0.21865845	0.94955444
0.98184204	0.29225159	0.22052002	-0.61257935	-0.74136353
-0.64205261	-0.64429138	-0.09858704	-0.53483582	-0.80251778
-0.64357422	0.88879395	0.94326782	0.08177185	0.81067080
0.16197205	0.88879395	0.94326782	0.08177185	-0.60540771
-0.62797546	-0.60540771	-0.43673706	-0.01202393	-0.67015076
-0.60540771	-0.43673706	0.	0.	0.

COMPONENT 11. 1 G-WEIGHTS

0.38442830	0.39468274	0.38548279	0.38722229	0.39949836
0.39903931	1.00000000	0.68740245	-0.55590820	-0.59504700
-0.56530762	-0.56347656	-0.58495667	-0.56385803	0.
-0.59136963	0.65277100	0.65942603	0.58803847	0.65277100
0.65277100	0.43273926	0.36534119	0.	-0.38580322
-0.63642883	-0.72047424	-0.40685825	-0.38580322	-0.38252258
-0.63642883	-0.38580322	0.	0.	0.

COMPONENT 12. 1 G-WEIGHTS

0.43487549	0.48585510	0.41624451	0.55310059	0.76104736
0.46171570	0.45422363	0.43251038	-0.74417114	-0.44326782
-0.57095337	-0.59797668	-0.61045837	-0.45164490	-0.58555603
-0.49540710	0.14692688	0.	0.82389832	0.35949707
0.56929016	0.82389832	0.70712280	0.56929016	-0.30029297
-0.42028809	-0.77742004	-0.56192017	-0.30029297	-0.56192017
-0.77742004	-0.30029297	0.	0.	0.

COMPONENT 13. 1 G-WEIGHTS

0.46875000	0.44424438	0.43954468	0.59014893	0.54275513
0.54472351	0.41838074	0.55134583	-0.56205750	-0.48167419
-0.41845540	-0.53829956	-0.46162415	-0.46328899	-0.60321863
-0.49203491	0.19607544	0.97573853	0.39204407	0.19607544
0.67604065	0.97573853	0.39204407	0.19607544	-0.31900024
-0.78390476	-0.97294617	-0.50995691	-0.31900024	-0.78300476
-0.15695150	-0.15695190	0.	0.	0.

COMPONENT 14. 1 G-WEIGHTS

0.48699951	0.43674033	0.54223633	0.51387024	0.56660461
0.43957520	0.51777649	0.49574280	-0.50315857	-0.54119873
-0.57246199	-0.39833069	-0.58122253	-0.42234639	-0.59744568
-0.58246204	0.12078857	0.	0.74948384	0.9825781
0.17158508	0.73344421	0.90661621	0.30833271	-0.83218384
-0.57334900	-0.27537537	-0.27537537	-0.91899109	-0.57334900
-0.27537537	-0.27537537	0.	0.	0.

COMPONENT 15. 1 G-WEIGHTS

0.39212036	0.38359070	0.56152344	0.66079712	0.41528320
0.39044189	0.81643677	0.37937927	-0.31919861	-0.51487732
-0.52310181	-0.54568481	-0.51843262	-0.55249023	-0.54878235
-0.47683716	0.	0.59537292	1.00000000	1.00000000
0.75646973	0.65478886	0.38003540	0.24245044	-0.46963501
-0.41711262	-0.64960022	-0.49198914	-0.31239319	-0.41711262
-0.69960022	-0.49198914	0.	0.	0.

COMPONENT 16. 1 G-WEIGHTS

0.64082336	0.50077920	0.45042419	0.47377014	0.39837646
0.49636841	0.52249146	0.51676941	-0.47370911	-0.50349426
-0.36325599	-0.48078491	-0.56880188	-0.48497009	-0.57832336
-0.56672476	0.67178345	0.64613342	0.12246704	0.29548645
0.67178345	0.64613342	0.51399231	0.43175744	-0.42379761
-0.77436829	-0.42379761	-0.39814758	-0.42379761	-0.77436829
-0.35728455	-0.42379761	0.	0.	0.

COMPONENT 17. 1 G-WEIGHTS

0.55888367	0.47647095	0.45378113	.55017090	0.54376221
0.44969177	0.45036316	0.51394343	-0.51872090	-0.46784993
-0.43450928	-0.49375916	-0.55102339	-0.57197571	-0.44487901
-0.47924805	0.24004453	0.87944031	0.24004453	0.83441003
0.72878674	0.72828674	0.24004453	0.06891296	-0.31600952
-0.34216309	-0.47564697	-0.31600952	-0.95899463	-0.31600952
-0.95899463	-0.31600952	G.	0.	G.

COMPONENT 18. 1 G-WEIGHTS

C.46131897	0.46083069	C.51118449	0.44940186	0.43823909
0.47232056	0.51873779	0.48748779	-0.53672791	-0.53598822
-0.43367004	-0.19943237	-0.58381653	-0.53671265	-0.61488088
-0.55638123	0.89765930	0.80188293	0.92292786	0.62719423
C.14667078	0.44325146	0.32546997	0.03883362	-0.74464417
-0.36953735	-0.37965393	-0.23155212	-0.57189941	-0.95388440
-0.36953735	-0.37965393	C.	0.	G.

COMPONENT 19. 1 G-WEIGHTS

0.47384644	0.56336975	C.43365479	0.44656372	0.43487898
0.41178894	0.48876953	0.48744475	-0.56710815	-0.49499812
-0.52461243	-0.49162292	-0.47167969	-0.43504333	-0.48426819
-0.52978916	0.09793091	0.97596741	0.97596741	0.30182339
0.57574463	0.77288818	0.20237732	0.09793091	-0.55738831
-0.45297241	-0.15721130	-0.72761536	-0.55738831	-0.15721130
-0.83203125	-0.55738831	0.	0.	G.

COMPONENT 20. 1 G-WEIGHTS

0.54301453	0.46047974	0.45695496	0.49714661	0.53294373
0.55061340	0.51663208	0.44213867	-0.50138855	-0.56564167
-C.23518372	-0.49447632	-0.44592712	-0.61633301	-0.55323792
-0.56689453	0.73501587	0.72792053	0.72792053	0.22982952
0.64741516	0.61589050	0.14202881	0.17355347	-0.37489973
-0.39854431	-0.87237549	-0.37409973	-0.37409973	-0.39854431
-0.84083557	-0.36701965	0.	0.	G.

COMPONENT 21. 1 G-WEIGHTS

0.41787720	0.54158020	0.41171265	0.61181641	0.63171387
0.50920105	0.46701050	0.40830994	-0.53579712	-0.53715515
-0.48100281	-0.53721619	-0.52592468	-0.35571289	-0.48553467
-0.54075623	0.76554871	0.71234131	0.39761353	0.39476813
0.40766907	0.36917114	0.50257874	0.44937134	-0.50667156
-0.58932495	-0.60688782	-0.55081177	-0.21852112	-0.27174377
-0.58647156	-0.58932495	C.	0.	G.

COMPONENT 22. 1 G-WEIGHTS

0.39201355	0.45727539	0.38827515	0.38827515	1.00000000
0.49815369	0.39047241	0.48544312	-0.48481750	-0.58868848
-0.56677246	0.	-0.60044861	-0.60527039	-0.55647114
-0.60527039	0.00534058	0.83779907	0.83779907	0.81967163
0.00534058	0.	0.78207397	0.71189880	-0.63531494
-0.71780396	-0.71780396	-0.56791667	-0.00798035	0.
-0.67531444	-0.71780396	0.	0.	G.

COMPONENT 23. 1 G-WEIGHTS

0.47650146	0.49629211	C.51007080	0.53532410	0.48123169
0.51135090	0.48405457	C.50448608	-0.52517700	-0.42771912
-0.51864624	-0.42523193	-0.54838562	-0.48410034	-0.51280212
-0.57522563	0.47709656	0.47709656	0.71295166	0.50389946
C.27993774	0.51197615	0.54307356	0.41381836	-0.65869588
-0.35534668	-0.45350047	-0.45350647	-0.45350647	-0.45350647
-0.45350647	-0.72622681	0.	0.	G.

COMPONENT 24. 1 G-WEIGHTS

0.51802063	0.56930542	0.53242493	0.28562927	0.60528564
0.52497864	0.56825256	0.39604187	-0.35659790	-0.55893384
-0.34893118	-0.53828430	-0.55360413	-0.47056580	-0.44821167
-0.73243713	0.06555176	0.90107727	0.27259827	0.32737732
0.93215942	0.90107727	0.27259827	0.32737732	-0.37222290
-0.30929565	-0.42236328	-0.91160583	-0.88050642	-0.37222290
-0.30929565	-0.42236328	0.	0.	G.

COMPONENT 25. 1 G-WEIGHTS

0.64677429	0.47720331	C.48194885	0.46879578	0.48204041
0.46294485	C.49642944	0.48393250	-0.55247498	-0.47419161
-0.36668039	-0.44020001	-0.38471985	-0.44200134	-0.35629916
-0.57200118	0.76252747	0.43486023	0.31803894	0.31911882
0.76252747	0.31803894	0.53727722	0.53727722	-0.55128856
-0.56228638	-0.22360229	-0.66801453	-0.65693665	-0.22360229
-0.55128856	-0.58228638	0.	0.	G.

COMPONENT 26. 1 G-WEIGHTS

C.52191162	0.49481750	0.48530579	0.46853638	0.60073853
0.46453157	0.48741150	0.48645020	-0.50199890	-0.52844238
-0.46270752	-0.54891287	-0.52578735	-0.50849915	-0.48823884
-0.52308655	0.39447021	0.55982971	0.62412720	0.31988991
0.36888668	C.53424072	0.79853821	0.	-0.49104309
-0.49104309	-0.18447876	-0.57556714	-0.93696594	-0.68322754
-0.49104309	-0.18447876	0.	0.	G.

COMPONENT 27. 1 G-WEIGHTS

C.39947839	0.41344431	0.42356473	0.41697693	0.52561270
1.0662330C	0.41104126	0.41383362	-0.34412842	-0.54624959
-0.31364136	-0.31763916	-0.34911864	-0.31864150	-0.25178996
-0.35841064	0.18975830	0.92391968	0.93374634	0.12921362
0.	0.92391968	0.	0.90334689	-0.70213318
-0.61038200	0.	-0.70213318	-0.61038200	-0.70213318
C.	-0.67279053	0.	0.	0.

COMPONENT 28. 1 G-WEIGHTS

0.43995839	0.32350159	0.41384888	0.39874233	1.00000000
0.40906982	0.41384888	0.41384888	-0.56388354	-0.49829541
-C.37974243	-0.32014465	-C.39725952	-0.37974243	-0.48882317
-0.38987463	0.99671936	0.12567139	0.12448120	0.87156477
0.99671936	0.12567139	0.	0.75918950	-0.48997458
-0.07388306	-0.35649158	-0.38049011	-0.35649158	-0.38049011
-C.38049011	-0.38049011	0.	0.	0.

COMPONENT 29. 1 G-WEIGHTS

0.81759644	0.41618347	0.43887329	0.41986884	0.56344604
0.66594238	0.47454836	0.40287781	-0.40040588	-0.45488630
-0.61618062	-0.38799744	-0.33482710	-0.33843654	-0.37316589
-0.30302429	0.27939994	0.02764893	0.63433791	0.89561462
0.24623533	0.42068852	0.85672382	0.80270386	-0.31927490
-0.46107483	-0.36256409	-0.46974182	-0.86145620	-0.70185832
-0.46107483	-0.36256409	C.	0.	0.

COMPONENT 30. 1 G-WEIGHTS

0.43887493	0.43453979	1.00000000	0.42877197	0.42137146
0.44302258	0.40057373	C.43095398	-0.62115479	-0.54161072
-0.34556274	0.	-0.49528503	-0.53796387	-0.63967896
-0.61866760	0.	0.	0.36469922	0.29681394
C.46389771	C.86469922	0.80616760	0.69983074	-0.80017890
-0.36451721	-0.36451721	-0.98922729	-0.30921936	-0.36451721
-0.49827376	-0.30921936	0.	0.	0.

COMPONENT 31. 1 G-WEIGHTS

0.43881226	0.46714783	0.50837708	C.56127938	0.60958862
0.44834900	0.48274429	0.48027039	-0.62768925	-0.66015625
-0.64785767	-0.31715393	-0.24252319	-6.33710939	-0.52210999
-0.44487000	0.25206604	0.37563782	0.37563782	0.93846558
0.72373499	0.11883545	0.04347065	0.69807019	0.
-0.33795166	-0.49584961	-0.99818420	-0.63497825	-0.26301373
-0.63497825	-0.63497825	0.	0.	0.

COMPONENT 32. 1 G-WEIGHTS

C.62573414	0.42370709	0.42098999	0.48367310	0.69891797
0.41842651	0.51354980	0.42248535	-0.40499463	-0.29988752
-0.60720823	-0.51020813	-C.33757010	-6.80305786	-0.43217468
-0.60727217	0.	0.	0.79768742	0.79919434
0.40396582	0.40235901	0.79768742	0.79919434	-0.23398196
-0.63017700	-0.25100708	-0.65632629	-3.64857483	-0.65632629
-C.65017700	-0.25260925	0.	0.	0.

COMPONENT 33. 1 G-WEIGHTS

0.48521423	0.48444876	0.48707581	0.58212280	0.48733583
0.48999868	0.49397168	0.45890796	-0.35990601	-0.48167583
-0.41476440	-0.35718494	-0.36605282	-0.31362915	-0.35990600
-0.35650330	0.19783020	0.19461060	0.23941040	0.87897956
0.49552917	0.87355099	0.87357056	0.23941040	-0.86741333
-0.37063293	-0.32583313	-0.57583513	-0.14279175	-0.37863293
-0.32583313	-0.37063293	0.	0.	0.

COMPONENT 34. 1 G-WEIGHTS

0.51341161	0.43334961	0.37896473	0.59901325	0.47619051
0.43482971	C.52589417	0.47741699	-0.33088625	-0.33758604
-0.39831360	-0.33050232	-0.24964431	-0.32923584	-0.33088600
-0.32087402	0.87776184	0.76586911	0.36498002	0.30698002
0.7744629	0.30633240	0.22868873	C.	-0.31771545
-0.44609070	-0.31771545	-0.19006348	-0.30319216	-0.31771545
-0.77421570	-0.75271179	0.	0.	0.

COMPONENT 35. 1 G-WEIGHTS

0.47082920	0.46098328	0.46348572	C.46670939	0.45086670
0.51169863	0.48171997	0.67312422	-0.30726718	-0.32711467
-C.30138691	-0.48802185	-0.43443298	-0.48063660	-0.34269409
-C.31763916	0.85247803	0.	0.72126770	0.72126770
0.	0.85247803	0.	0.85247803	-0.39912109
-0.73117065	-0.73117065	0.	-0.73117065	-0.40240479
-0.40240479	-0.40240479	0.	0.	0.

COMPONENT 36. 1 G-WEIGHTS

0.45693370	0.46791077	1.00000000	0.31344404	0.66841125
0.33665466	0.35939974	0.39724731	-0.63263367	0.
-C.64392090	-0.38864441	-0.68728638	-0.23234975	-0.37112427
-0.70393372	1.00000000	0.	0.	1.00000000
1.00000000	0.	0.	1.00000000	-0.46334675
-0.66519185	-C.66519185	0.	-0.43354475	-0.66519185
-C.66519185	-0.41207886	0.	0.	0.

COMPONENT 37.1 G-WEIGHTS

0.65162659	0.52314758	0.53467178	0.48397827	0.54478825
0.54371643	0.41737366	0.29911894	-0.53166199	-0.59442139
-0.45152283	-0.53467178	-0.33344758	-0.49933659	-0.56741333
-0.52354431	0.56999207	0.96180725	0.963817749	0.96488729
0.42990112	0.03817749	0.42990112	0.56999207	-0.39636121
-0.10292053	-0.96271851	-0.5595398	-0.39636121	-0.10292053
-0.94271851	-0.5595398	0.	0.	0.

COMPONENT 38.1 G-WEIGHTS

0.50201416	0.39903259	0.63162231	0.44888244	0.5688827
0.41928101	0.39903259	0.64767414	-0.44888244	-0.55427951
-0.57789612	-0.37789612	-0.57490059	-0.24887349	-0.51417942
-0.43890381	0.21478797	1.00000000	0.82498234	0.82498234
0.22074890	1.00000000	0.83860779	0.67396436	-0.82924194
-0.63459778	-0.19763184	-0.63459778	-0.63459778	0.
-0.63459778	-0.63459778	0.	0.	0.

COMPONENT 39.1 G-WEIGHTS

0.44781494	0.41693115	0.40905762	0.42886792	0.45616150
0.64060974	0.78051758	0.42779541	-0.56987654	-0.45828618
-0.22325134	-0.56153870	-0.56262207	-0.55963135	-0.51348877
-0.55120850	0.	0.94725037	0.59617615	0.55768498
0.94725037	0.35760498	0.74732971	0.04467644	-0.67515564
-0.71907043	-0.31626892	-0.10630798	-0.44852112	-0.67515564
-0.72239685	-0.31626892	0.	0.	0.

COMPONENT 40.1 G-WEIGHTS

0.42562866	0.76673889	0.41470337	0.41989790	0.45280457
0.43222046	0.68450928	0.40341187	-0.57884216	-0.56985474
-0.57098389	-0.57156372	-0.51588440	-0.04833984	-0.57199897
-0.57156372	0.56045532	0.55874634	0.63795898	0.42437439
0.45960999	0.42437439	0.49488831	0.01927185	-0.39887837
-0.56845093	-0.53091431	-0.53091431	-0.46775818	-0.56845093
-0.46598816	-0.46775818	0.	0.	0.

COMPONENT 41.1 G-WEIGHTS

0.47357068	0.51690674	0.48014832	0.46139954	0.48852498
0.43333435	0.51165771	0.50810681	-0.58878984	-0.58288391
-0.49539185	-0.54185446	-0.49705505	-0.41852246	-0.52536411
-0.51776123	0.70606995	0.70606995	0.37442017	0.58588949
0.71139526	0.37974548	0.37933081	0.38644409	-0.33297729
-0.33297729	-0.66464233	-0.33297729	-0.33297729	-0.66464233
-0.66464233	-0.67404175	0.	0.	0.

COMPONENT 42.1 G-WEIGHTS

0.44613647	0.44148254	0.52851668	0.46693420	0.41798481
0.47848787	0.73161316	0.49630737	-0.47904968	-0.49024963
-0.55599976	-0.59166968	-0.59155273	-0.56965637	-0.59956360
-0.59118229	0.50451590	0.82221985	0.82221985	0.14284804
0.90911590	0.82221985	0.23446655	0.14284804	-0.79438782
0.80664978	-0.43877087	-0.88598633	-0.52236938	-0.20664978
0.43877087	-0.52236938	0.	0.	0.

COMPONENT 43.1 G-WEIGHTS

0.73848889	0.37936401	0.41375732	0.34410095	1.00000000
0.39491943	0.41233826	0.35998535	-0.51107788	-0.41233826
-0.51843098	-0.48710632	-0.51358032	-0.50209045	-0.37838811
-0.47669983	0.73667908	0.73667908	0.69194031	0.31277464
0.39168828	0.58508301	0.58508301	0.	-0.37377930
-0.37377930	-0.87179565	-0.38655090	-0.37377930	-0.37377930
-0.87179565	-0.37377930	0.	0.	0.

COMPONENT 44.1 G-WEIGHTS

0.50483704	0.51077271	0.54853821	0.53083801	0.45264724
0.45176697	0.48284912	0.51693726	-0.56950378	-0.42854309
-0.56372070	-0.44686890	-0.449957275	-0.44650669	-0.53947778
-0.49186707	0.68719482	0.04823303	0.61776733	0.83793640
0.19897461	0.40490723	0.49214172	0.71231079	-0.45726013
-0.58387756	-0.49664307	-0.27645874	-0.91543579	-0.49664307
-0.49664307	-0.27645874	0.	0.	0.

COMPONENT 45.1 G-WEIGHTS

0.45590210	0.34664917	0.86978149	0.63752747	0.37992859
0.43360901	0.45598641	0.42047119	-0.65960693	-0.55564406
-0.57055664	-0.56837373	-0.55366516	-0.26939392	-0.64897156
-0.17527771	0.	0.05168132	0.78872681	0.76213074
0.39649800	0.85937500	0.76664734	0.37463379	-0.29280745
-0.42396545	-0.85794067	-0.29200745	-0.39221191	-0.39221191
-0.98362732	-0.36384473	0.	0.	0.

COMPONENT 46.1 G-WEIGHTS

0.47013855	0.38639832	0.71080017	0.44168091	0.34688887
0.63054321	0.46466064	0.50907898	-0.57987976	-0.49867249
-0.51222229	-0.49032593	-0.36994934	-0.55238291	-0.52746111
-0.47341919	0.45161438	0.03125000	0.90005493	0.90005493
0.49148560	0.50747681	0.61897278	0.09892273	-0.38890515
-0.39395515	-0.38890515	-0.91394043	-0.38890515	-0.38890515
-0.38890515	-0.39965210	0.	0.	0.

COMPONENT 47. 1 G-WEIGHTS

0.51542500	0.51446533	0.50967407	0.50901794	0.57424927
0.44453430	0.47131348	0.46038810	-0.53161621	-0.44354248
-0.53681944	-0.53312483	-0.49990576	-0.52728271	-0.54771423
-0.56842773	0.64289244	0.48908997	0.61175537	0.77024841
0.42541504	0.48908997	0.77024841	0.40104675	-0.45391644
-0.93659973	-0.43617249	-0.27265930	-0.43617249	-0.62872314
-0.56280518	-0.27265930	0.	0.	0.

COMPONENT 48. 1 G-WEIGHTS

0.47131348	0.55400085	0.42153931	0.52290344	0.57231140
0.47024536	0.50958252	0.47798157	-0.51290894	-0.59301758
0.	-0.68899536	-0.53269958	-0.52891868	-0.62399292
-0.51982117	0.	0.93206787	0.12142944	0.93206787
0.98942564	0.25016785	0.01931763	0.75543213	-0.44042805
-0.56205750	-0.56205750	-0.65554810	0.	-0.56205750
-0.56205750	-0.65554810	0.	0.	0.

COMPONENT 49. 1 G-WEIGHTS

0.51540604	0.48159790	0.52095032	0.37696838	0.53695679
0.55792236	0.51028442	0.49923706	-0.53251648	-0.44131470
-0.46441630	-0.52976990	-0.54199219	-0.54547119	-0.46476746
-0.47901917	0.31175232	0.	0.00575256	0.96482739
0.27746582	0.99125671	0.94927979	0.49754333	-0.27047729
-0.36573792	-0.98046875	-0.85775757	-0.27047729	-0.36573792
-0.36573792	-0.52337646	0.	0.	0.

COMPONENT 50. 1 G-WEIGHTS

0.51510620	0.51889038	0.52848816	0.36834717	0.60867310
0.41232300	0.68093872	0.36695862	-0.62782288	-0.56831360
-0.55274963	0.	-0.53071594	-0.56484985	-0.60252380
-0.55294800	0.	0.91845703	0.91845703	0.60354614
0.59997888	0.65496145	0.31063843	0.	-0.69206238
-0.31300354	-0.68154907	-0.31300354	-0.31300354	-0.31300354
-0.68154907	-0.69206238	0.	0.	0.

COMPONENT 51. 1 G-WEIGHTS

0.46633911	0.38592529	0.38592529	0.55482483	0.38124084
0.80067444	0.63845825	0.38592529	-0.67886353	0.
-0.46823386	-0.63317871	-0.20465088	-0.67665100	-0.66184998
-0.66184998	0.15005847	0.90504456	1.00000000	0.15055847
0.15055847	1.00000000	0.45214844	0.19187056	-0.38392639
-0.64640808	-0.64640808	0.	-0.38392639	-0.64640808
-0.64640808	-0.64640808	0.	0.	0.

COMPONENT 52. 1 G-WEIGHTS

0.34536743	0.51319885	0.67895508	0.36489868	0.46446228
0.47595215	0.68005371	0.47688293	-0.45521545	-0.54571533
-0.46832275	-0.46218872	-0.59703064	-0.5537524	-0.48265076
-0.43522444	0.22044373	0.04713440	0.95574951	0.54963684
0.19886780	0.92111206	0.51501465	0.59193420	-0.30210876
-0.30210876	-0.72892871	-0.66838074	-0.30210876	-0.30210876
-0.72892871	-0.66838074	0.	0.	0.

COMPONENT 53. 1 G-WEIGHTS

0.50245667	0.49763489	0.45230103	0.51574707	0.50689697
0.51350403	0.50929260	0.50177002	-0.42207336	-0.45282250
-0.55543518	-0.45375061	-0.54109192	-0.52462769	-0.56835938
-0.49126221	0.67193604	0.67193604	0.11668396	0.25476074
0.22979546	0.66595459	0.69741821	0.69161987	-0.39117432
-0.35969543	-0.35969543	-0.88931274	-0.91499329	-0.35969543
-0.35969543	-0.36549377	0.	0.	0.

COMPONENT 54. 1 G-WEIGHTS

0.43988037	0.58619690	0.55679321	0.53781128	0.49139404
0.43472180	0.51307678	0.43722534	-0.37026978	-0.54415894
-0.50542886	-0.50035095	-0.53889465	-0.54418945	-0.47142029
-0.52415466	0.	0.78939656	0.92468262	0.7354993
0.44797778	0.85955811	0.24343872	0.	-0.68302917
-0.68302917	-0.66485596	0.	-0.66485596	-0.27328491
-0.34780884	-0.68302917	0.	0.	0.

COMPONENT 55. 1 G-WEIGHTS

0.39450623	0.35430908	0.44056396	0.41584778	0.62156677
0.46653748	0.74121094	0.37496948	-0.45315552	-0.46908569
-0.50122070	-0.52430725	-0.52096531	-0.50297546	-0.55290222
-0.47610474	0.	0.43555908	0.71629333	0.59181213
0.40475484	0.54536438	0.61528015	0.49079895	-0.40954590
-0.42201233	-0.32882690	-0.47253418	-0.84542847	-0.68925476
-0.42201233	-0.42201233	0.	0.	0.

COMPONENT 56. 1 G-WEIGHTS

0.47029114	0.47193223	0.56237793	0.56031799	0.48701477
0.46081343	0.55306897	0.43144226	-0.42022705	-0.44209290
-0.52472605	-0.57162476	-0.60002136	-0.49440002	-0.45881633
-0.48768616	0.83947754	0.11128235	0.11714172	0.35205078
0.92601113	0.84535217	0.69110107	0.11714172	-0.82798767
-0.32673645	-0.32673645	-0.48474121	-0.97660828	-0.32673645
-0.44474.21	-0.24548740	0.	0.	0.

COMPONENT 37. 1 G-WEIGHTS

C.41474724	0.41934204	0.43551636	0.55319214	0.50343323
0.59938721	0.63316345	C.48187256	-0.48370361	-0.62973822
-0.63435364	0.	-0.50846699	-0.65353394	-0.56159396
-C.52838.35	0.85411072	0.79534912	0.	0.85411072
0.83377375	0.	0.	C.66259766	0.
-0.63212545	-0.71855164	-0.01332092	-0.63212585	-0.71855164
-C.71855164	-C.56665339	0.	0.	0.

COMPONENT 58. 1 G-WEIGHTS

0.57014465	0.60231018	0.48950195	0.48187256	0.44863892
0.50296865	0.45945740	C.44447327	-0.50100708	-0.53840637
-0.53828394	-0.35490198	-0.52580261	-0.53710938	-0.53465271
-C.465393C7	C.89668274	0.27658081	0.64428711	0.50322264
C.4C2C2332	0.30911255	-0.27069092	0.89668274	-0.51214905
-0.69598233	-0.60295105	-0.07574463	-0.31214905	-0.70176697
-C.6C295105	-0.69589233	0.	0.	0.

COMPONENT 59. 1 G-WEIGHTS

0.530C14C4	0.42007446	0.49177551	0.46257019	0.50440979
0.5104C649	0.51701395	0.56364441	-0.44300842	-0.46975700
-0.47970391	-0.50851440	-0.58721924	-0.47657776	-0.59117126
-0.44314575	0.72044209	0.39588926	0.76344299	C.43869819
0.15948018	0.41218547	0.43869019	0.72044209	-0.96429643
-C.33049.11	-C.33049011	-0.65760803	-0.35290527	-0.66469238
-C.3529C527	-C.33049711	0.	0.	0.

COMPONENT 60. 1 G-WEIGHTS

0.48713484	C.42379761	0.83419800	0.41455078	0.42021179
C.46193777	0.54341125	0.41471863	-0.08193970	-0.62283325
-C.384C1794	-0.62120056	-0.42045125	-0.61256409	-0.44123840
-0.61552429	0.	0.66442871	0.94474792	0.66491589
0.26321655	0.05610657	0.94474792	0.51980591	-0.18260193
-0.7228C457	-0.70565796	-0.70280457	-0.70280457	-0.04591370
-C.23167847	-0.70565796	0.	0.	0.

COMPONENT 61. 1 G-WEIGHTS

1.000C0C00	0.41914368	0.336C1379	0.46899414	0.49656677
0.44372033	0.41600037	0.41943359	-0.51751709	-0.51290523
-0.5491C278	-C.51855469	-0.50068665	-0.49658205	-0.39311218
-0.51119995	0.63146973	0.17268982	0.93896484	0.12629700
0.63146973	0.17268982	0.12629700	0.	-0.46920776
-0.09820557	-0.88970947	-0.46920776	-0.46920776	-0.46920776
-C.68574674	-0.46920776	0.	0.	0.

COMPONENT 62. 1 G-WEIGHTS

0.46340942	0.47001648	0.43553162	0.46340942	0.46078862
0.61167908	0.46472168	0.42985229	-0.4725842	-0.25990823
-0.56294250	-0.56419373	-0.46472168	-0.55509949	-0.58039856
-0.55758667	0.57385254	0.51242065	0.59799194	0.65543644
0.57385254	0.57385254	0.51242065	0.	-0.48623657
-0.54936218	-0.46145630	-0.48623657	-0.49029541	-0.48623657
-0.49029541	-0.54936218	0.	0.	0.

COMPONENT 63. 1 G-WEIGHTS

0.41474724	0.52261353	0.51872253	0.43041992	0.41528320
0.52655029	0.47573430	0.69627380	-0.57141113	-0.44061267
-0.57800293	-0.38725281	-0.57827759	-0.50991821	-0.41987610
-0.48609724	0.34024048	0.95992432	0.17720032	0.98478699
0.46508789	0.30204773	0.30204773	0.56843547	-0.49082947
-0.65392385	-0.65382385	-0.49082947	-0.49082947	-0.49082947
-C.65382385	-0.07452393	0.	0.	0.

COMPONENT 64. 1 G-WEIGHTS

0.50599938	0.48303223	0.45773315	0.45710754	0.52143860
0.46997070	0.53353582	0.57127380	-0.31214905	-0.62126160
-0.60514832	-0.57521057	-C.53442383	-0.45825195	-0.41607644
-0.47723389	0.64582925	C.26251221	0.83175659	0.84710999
0.48522949	0.44844355	0.43246460	0.24653625	-0.38813782
-C.41087341	-0.60951233	-0.60951233	-0.38813782	-0.41087341
-C.57270413	-C.60951233	0.	0.	0.

COMPONENT 65. 1 G-WEIGHTS

0.4C9317C2	0.514C5334	0.42837524	0.69915771	0.49935913
0.31918335	0.44004822	0.68994141	-0.38854980	-0.43019104
-C.54139038	-0.56623840	-C.51358032	-0.37934875	-0.62303162
-0.51701355	0.5C2304C8	0.	0.90481567	0.79763794
C.41331482	0.66017151	0.95300903	0.16867065	-0.36038208
-C.47024536	-0.86586108	-0.36038208	-0.36038208	-0.86586108
-0.36038208	-0.36038208	0.	0.	0.

COMPONENT 66. 1 G-WEIGHTS

1.000C0C00	0.71467114	0.45033264	0.3C184937	0.50122375
C.52476501	0.35351563	0.35351563	-0.52777100	-0.53433228
-0.51456370	-0.55297852	-0.44911194	-0.57894897	-0.29866028
-0.54292297	0.	1.00000000	0.92243958	0.25819397
0.03733926	0.09213257	1.00000000	0.88984985	-0.68138123
-C.54257202	0.	-0.48138123	-0.63304138	0.
-C.68138123	-0.79C181A8	0.	0.	0.

COMPONENT 67. 1 G-WEIGHTS

0.30976468	0.32145691	0.30766296	0.44818115	0.79269409
0.58094788	0.34654917	0.89178467	-C.50469971	-C.61448669
-0.55937.45	-0.50849915	-0.24009705	-0.43608093	-0.58587644
-C.50C19616	0.	0.97648621	0.97648621	0.99880981
C.62561335	0.18922424	0.13638306	0.09693909	-C.26798096
-C.36798096	-0.12911987	-C.36798096	-0.36798096	-0.78794861
-0.94564819	-0.66528320	0.	0.	0.

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.36796296
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.56131383
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.79466471
 ** CONTROL=00000000003
 3 BIAS CHANGES

LEVEL	MS	BIAS	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1	0.09999999	-0.79466471								
1.1	0.		2.1	0.	3.1	0.	4.1	0.	5.1	0.
6.1	0.		7.1	0.	8.1	0.	9.1	0.	10.1	0.
11.1	0.		12.1	0.	13.1	0.0055506	14.1	0.	15.1	0.
16.1	0.		17.1	0.	18.1	0.	19.1	0.4416017	20.1	0.
21.1	0.		22.1	0.1634167	23.1	0.	24.1	0.	25.1	0.2700327
26.1	0.		27.1	0.	28.1	0.	29.1	0.	30.1	0.
31.1	0.		32.1	0.5745736	33.1	0.4113609	34.1	0.	35.1	0.
36.1	0.2550222		37.1	0.	38.1	0.6902750	39.1	0.	40.1	0.
41.1	0.		42.1	0.2426019	43.1	0.	44.1	0.	45.1	0.
46.1	0.		47.1	0.	48.1	0.	49.1	0.	50.1	0.
51.1	0.		52.1	0.	53.1	0.	54.1	0.3057632	55.1	0.
56.1	0.		57.1	0.0713730	58.1	0.	59.1	0.	60.1	0.4501212
61.1	0.		62.1	0.	63.1	0.4100153	64.1	0.1734493	65.1	0.
66.1	0.		67.1	0.	68.1	0.3017157	69.1	0.	70.1	0.0997009
71.1	0.		72.1	0.	0.0	0.	0.0	0.	0.0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.50060031
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.89116140
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL	MS	BIAS	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
2	0.	-0.89116140								
1.2	1.0482259		2.2	0.	0.0	0.	0.0	0.	0.0	0.
SUM NO. 1 IS	1.04823									
SUM NO. 2 IS	0.									

*** 61 INPUT M2 IDENTIFICATION CORRECT
 MINPS=000000000011 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.37267405
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.89149557
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.41031629
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.15090594
 ** CONTROL=00000000007
 4 BIAS CHANGES

LEVEL	MS	BIAS	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1	0.09999999	-1.15090594								
1.1	0.		2.1	0.	3.1	0.	4.1	0.0016354	5.1	0.
6.1	0.		7.1	0.	8.1	0.	9.1	0.	10.1	0.
11.1	0.		12.1	0.	13.1	0.	14.1	0.	15.1	0.
16.1	0.6593842		17.1	0.	18.1	0.	19.1	0.3156569	20.1	0.
21.1	0.		22.1	0.	23.1	0.1222916	24.1	0.7814694	25.1	0.
26.1	0.		27.1	0.	28.1	0.	29.1	0.1635166	30.1	0.
31.1	0.		32.1	0.	33.1	0.	34.1	0.	35.1	0.
36.1	0.		37.1	0.	38.1	0.	39.1	0.	40.1	0.
41.1	0.6519103		42.1	0.8457646	43.1	0.	44.1	0.	45.1	0.
46.1	0.		47.1	0.6442420	48.1	0.4064949	49.1	0.	50.1	0.
51.1	0.		52.1	0.	53.1	0.	54.1	0.	55.1	0.
56.1	0.		57.1	0.5174014	58.1	0.	59.1	0.	60.1	0.1083343
61.1	0.		62.1	0.	63.1	0.	64.1	0.	65.1	0.
66.1	0.		67.1	0.	68.1	0.	69.1	0.	70.1	0.
71.1	0.		72.1	0.2390522	0.0	0.	0.0	0.	0.0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.44356750
 ** CONTROL=00000000001
 LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.57937717
 ** CONTROL=00000000003
 2 BIAS CHANGES

LEVEL	MS	BIAS	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
2	0.	-0.57937717								
1.2	0.		2.2	1.0721404	0.0	0.	0.0	0.	0.0	0.
SUM NO. 1 IS	0.									
SUM NO. 2 IS	1.07214									

*** 62 INPUT V2 IDENTIFICATION CORRECT
 MINPS=000000000010 NCYCS=000000000014 INDICT=000000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40894054
 ** CONTROL=00000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.72360893
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.03027731
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.35294570
 ** CONTROL=00000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.19561151
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.11694442
 ** CONTROL=00000000007

6 BIAS CHANGES

LEVEL 1 MS = 0.00000000 BIAS = -1.1169442

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.0303110
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.9041037	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.7313655	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.4990706	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.4147149	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.7933920	58. 1	0.0671165	59. 1	0.	60. 1	0.2640466
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.3175917
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.57855944

CONTROL=0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -4.26006235

CONTROL=0000000003

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.41971090

CONTROL=0000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.49913510

CONTROL=0700000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -1.95942304

CONTROL=0000000007

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -2.18956694

CONTROL=0000000007

LEVEL 2 MS = 0. BIAS = -2.18956694

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0325787	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	1.03258								
SUM NC. 2 IS	0.								

*** 43 INPUT M3 IDENTIFICATION CORRECT
MINPS=00000000007 NCYCS=00000000014 INDIC1=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.45816360

CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.97224125

CONTROL=0000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.48631890

CONTROL=0000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.22928008

CONTROL=0000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.35779949

CONTROL=0000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.29353979

CONTROL=0000000007

LEVEL 1 MS = 0.00000000 BIAS = -1.29353979

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.0995564	4. 1	0.6116418	5. 1	0.
6. 1	0.7518299	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.7644716
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.5350912	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.1769737	29. 1	0.41260-1	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.	40. 1	0.7618916
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.1411955	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.6029962
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

0 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.3286474	2. 2	0.7403058	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.32865								
SUM NC. 2 IS	0.74031								

*** 64 INPUT V1 IDENTIFICATION CORRECT
MINPS=00000000006 NCYCS=00000000014 INDIC1=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.08164676

CONTROL=0000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.25968960

CONTROL=0000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.43733244

CONTROL=0000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.34841102

CONTROL=0000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.30395032

CONTROL=0000000007

5 BIAS CHANGES

LEVEL 1 MS = C.C0999999 BIAS = -0.3039532

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	C.0152362	8. 1	0.	9. 1	0.6774032	10. 1	0.4294663
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.0010042	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.3240592	27. 1	0.	28. 1	0.3773460	29. 1	0.	30. 1	0.
31. 1	0.4659071	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.9735882	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.2669432	45. 1	0.
46. 1	0.	47. 1	0.1459418	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.5032264	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.3211611	59. 1	0.	60. 1	0.
61. 1	0.1233053	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.1682535
66. 1	0.	67. 1	C.1187610	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.32264187
 ** CONTROL=C03C0C0C001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.64528216
 ** CONTROL=C03C0C0C003
 2 BIAS CHANGES

LEVEL 2 MS = C. BIAS = -0.64528216

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.C000000	2. 2	0.	3. 2	0.	4. 2	0.	5. 2	0.
SUM NC.	1 IS	1.C000000							
SUM NC.	2 IS	0.							

*** 65 INPUT #4 IDENTIFICATION CORRECT
 #INPS=00000000005 NCVC=C0000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.41336211
 ** CONTROL=C03C0C0C001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.01462665
 ** CONTROL=C03C0C0C003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.61587119
 ** CONTROL=C03C0C0C003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.31524892
 ** CONTROL=C03C0C0C007
 4 BIAS CHANGES

LEVEL 1 MS = 0.C0999999 BIAS = -1.31524892

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.	3. 1	0.6678524	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.6520009
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.1887546	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.7090823
46. 1	0.4579702	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.2295154
51. 1	0.5808835	52. 1	0.3483045	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.	67. 1	C.7192930	68. 1	0.	69. 1	0.5258750	70. 1	0.
71. 1	0.	72. 1	0.	73. 1	0.	74. 1	0.	75. 1	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.06430189
 ** CONTROL=C03C0C0C001
 1 BIAS CHANGES

LEVEL 2 MS = C. BIAS = 0.06430189

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	0.9356981	3. 2	0.	4. 2	0.	5. 2	0.
SUM NC.	1 IS	0.							
SUM NC.	2 IS	0.93570							

*** 66 INPUT #4 IDENTIFICATION CORRECT
 #INPS=00000000004 NCVC=C0000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.06944443
 ** CONTROL=C03C0C0C001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 47.59462819
 ** CONTROL=C03C0C0C003

ARITHMETIC OVERFLOW OCCURED AT LOC 22135

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 23.78703618
 ** CONTROL=C03C0C0C003

ARITHMETIC OVERFLOW OCCURED AT LOC 22135

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 11.92824642
 ** CONTROL=C03C0C0C003

ARITHMETIC OVERFLOW OCCURED AT LOC 22135

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 5.99884242
 ** CONTROL=C03C0C0C003

ARITHMETIC OVERFLOW OCCURED AT LOC 22135

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 3.C3414345
 ** CONTROL=C03C0C0C003

ARITHMETIC OVERFLOW OCCURED AT LOC 22135

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 1.55179396
 ** CONTROL=C03C0C0C003

ARITHMETIC OVERFLOW OCCURRED AT LOC 22135
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.01061922
 ** CONTROL=C000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.44003100
 ** CONTROL=C00CJ000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.62532553
 ** CONTROL=C00C0000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.53267069
 ** CONTROL=00700000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = 0.57900211
 ** CONTROL=00000000007
 12 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = 0.57900211

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.0466960	2. 1	0.1420021	3. 1	0.3705856	4. 1	0.0671607	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.0078112	9. 1	0.5143083	10. 1	0.1695115
11. 1	0.	12. 1	0.	13. 1	0.0092911	14. 1	0.0255395	15. 1	0.1939533
16. 1	0.1079032	17. 1	0.0329351	18. 1	0.1157414	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.0416560	24. 1	0.3196167	25. 1	0.
26. 1	0.1501804	27. 1	0.0604460	28. 1	0.	29. 1	0.1418406	30. 1	0.0699060
31. 1	0.1999329	32. 1	0.	33. 1	0.	34. 1	0.1047345	35. 1	0.
36. 1	0.	37. 1	0.4208702	38. 1	0.	39. 1	0.2535560	40. 1	0.
41. 1	0.3958948	42. 1	0.	43. 1	0.0468293	44. 1	0.	45. 1	0.0842291
46. 1	0.0503690	47. 1	0.0940360	48. 1	0.	49. 1	0.0915834	50. 1	0.
51. 1	0.1563052	52. 1	0.0895643	53. 1	0.	54. 1	0.	55. 1	0.0309455
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.0204092	60. 1	0.
61. 1	0.2015722	62. 1	0.0736871	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.0419150	67. 1	0.2705704	68. 1	0.	69. 1	0.0670229	70. 1	0.
71. 1	0.	72. 1	0.0234746	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = 0.12183654
 ** CONTROL=C0000000001
 1 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.12183654

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.5487752	2. 2	0.4512248	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.54878								
SUM NC. 2 IS	0.45122								

*** 67 INPUT MS IDENTIFICATION CORRECT
 MINPS=00000000003 NCVCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.40656336
 ** CONTROL=C0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.93774280
 ** CONTROL=C0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.46892224
 ** CONTROL=C0000000003
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.20333253
 ** CONTROL=00000000007
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.33612739
 ** CONTROL=00000000007
 5 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.33612739

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3191919	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.3432337	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.	13. 1	0.	14. 1	0.	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.6636203	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.6570409	35. 1	0.
36. 1	0.	37. 1	0.	38. 1	0.	39. 1	0.7180850	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.6003889
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.2526542	64. 1	0.2633468	65. 1	0.
66. 1	0.	67. 1	0.6367147	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.43006149
 ** CONTROL=C0000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.86012299
 ** CONTROL=C0000000003
 2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -0.86012299

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0000000	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	1.00000								

*** 68 INPUT MS IDENTIFICATION CORRECT
 MINPS=00000000002 NCVCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.04702365
 ** CONTROL=C0000000001
 LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.15800322
 ** CONTROL=C0000000003

2 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -0.15880322

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.166131	2. 1	0.	3. 1	0.3587813	4. 1	0.	5. 1	0.3132565
6. 1	0.2864881	7. 1	0.	8. 1	0.0574768	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.2274193	13. 1	0.	14. 1	0.	15. 1	0.2489999
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.
26. 1	0.	27. 1	0.3172292	28. 1	0.	29. 1	0.	30. 1	0.1911445
31. 1	0.	32. 1	0.	33. 1	0.	34. 1	0.3446757	35. 1	0.5448882
36. 1	0.1648384	37. 1	0.	38. 1	0.	39. 1	0.8134057	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.	44. 1	0.	45. 1	0.0019827
46. 1	0.	47. 1	0.	48. 1	0.4309051	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.	55. 1	0.
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.	63. 1	0.	64. 1	0.	65. 1	0.
66. 1	0.7650799	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.0785175	0. 0	0.	0. 0	0.	0. 0	0.

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.44494048

CONTROL=00000000001

LEVEL 2 OUTPUT OUT OF RANGE, NEW BIAS = -0.88988099

CONTROL=00000000003

2 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = -0.88988099

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	1.0000000	2. 2	0.	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	1.000000								
SUM NC. 2 IS	0.								

*** 69 INPUT H6 IDENTIFICATION CORRECT

MINPS=00000000001 NCYCS=00000000014 INDICT=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -0.46254507

CONTROL=00000000001

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.09155905

CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.72057513

CONTROL=00000000003

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.40606755

CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.24881381

CONTROL=00000000007

LEVEL 1 OUTPUT OUT OF RANGE, NEW BIAS = -1.32744068

CONTROL=00000000007

6 BIAS CHANGES

LEVEL 1 MS = 0.09999999 BIAS = -1.32744068

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 1	0.	2. 1	0.3230542	3. 1	0.	4. 1	0.	5. 1	0.
6. 1	0.	7. 1	0.	8. 1	0.	9. 1	0.	10. 1	0.
11. 1	0.	12. 1	0.6408161	13. 1	0.	14. 1	0.2286597	15. 1	0.
16. 1	0.	17. 1	0.	18. 1	0.	19. 1	0.	20. 1	0.
21. 1	0.2144370	22. 1	0.	23. 1	0.	24. 1	0.	25. 1	0.0466456
26. 1	0.	27. 1	0.	28. 1	0.	29. 1	0.	30. 1	0.
31. 1	0.2631795	32. 1	0.	33. 1	0.3823464	34. 1	0.	35. 1	0.
36. 1	0.1834260	37. 1	0.0830077	38. 1	0.	39. 1	0.	40. 1	0.
41. 1	0.	42. 1	0.	43. 1	0.0730825	44. 1	0.1209064	45. 1	0.
46. 1	0.	47. 1	0.	48. 1	0.	49. 1	0.	50. 1	0.
51. 1	0.	52. 1	0.	53. 1	0.	54. 1	0.1216612	55. 1	0.7229302
56. 1	0.	57. 1	0.	58. 1	0.	59. 1	0.	60. 1	0.
61. 1	0.	62. 1	0.7045513	63. 1	0.0194485	64. 1	0.0918307	65. 1	0.4800353
66. 1	0.	67. 1	0.	68. 1	0.	69. 1	0.	70. 1	0.
71. 1	0.	72. 1	0.	0. 0	0.	0. 0	0.	0. 0	0.

0 BIAS CHANGES

LEVEL 2 MS = 0. BIAS = 0.

COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT	COMP.	OUTPUT
1. 2	0.	2. 2	1.0798956	0. 0	0.	0. 0	0.	0. 0	0.
SUM NC. 1 IS	0.								
SUM NC. 2 IS	1.07990								

*** 70 INPUT V6 IDENTIFICATION CORRECT

MINPS=00000000014 NCYCS=00000000014 INDICT=00000000001

END OF INPUT. SIMULATION COMPLETE.

MAIN TEST IS DONE.

#####

65-624, FLAINGER, J.G., MRRAM

JOB	250 ACCOUNTING	040566
TOTAL 7044 TIME		120305
TOTAL 7094 TIME		000431
TOTAL CARDS READ		002742
TOTAL CARDS PUNCHED		000124
TOTAL LINES PRINTED		000132
TOTAL TAPES USED		000002

Z.O.
THE CHALLENGE IN GOOD PROGRAM DESIGN AND DEVELOPMENT
IS TO DISTINGUISH USEFUL IDEAS FROM THE INGENIOUS
ZERO DEFECTS

#####

9 214833 0 \$JOB 321 0,10,15000 65-424,FLAUGHER, J.G.,NRBAN

90 UNIT FUNCTION SYMBOLIC	RD CRD	PU PCH	PR PRT	A1 LBL	A2 IN1	A3 OU1	A4 PPL	A5 CK1	A6	A7	A8	A9	A0	B1 UT1	B2 UT2	B3 UT3	B4 UT4	B5 CK2	B6	B7
40 LOGICAL	32	33	34	00	01	02	03	04	A(4)	B(1)	07	08	09	10	11	12	13	14	15	16
40 UNIT	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK
90 UNIT FUNCTION SYMBOLIC	88	89	90	C1	C2	C3	C4	C5	C6	D1	D2	D3	D4	D5	D6					
40 LOGICAL	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
40 UNIT	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK	DISK					

9 214833 0 \$SETUP A(4) DISK,1106
 9 214833 0 \$SETUP B(1) DISK,1327
 9 214833 0 \$ATEND 00000,77777,6,DUMP
 9 214833 0 \$EXECUTE 18JOB

9 215048 0 6701 LINES OUTPUT.
 9 215052 0 \$SEOP

9 215052 0 PERIPHERAL FILE P' TIONS AT END OF JOB

9 215052 0 SVSPP1 REC. 00642, FILE 00000
 9 215052 0 SYSOU1 REC. 01186, FILE 00000
 9 215052 0 SVSINI REC. 00001, FILE 00003

9 215052 0 END OF JOB

9 215056 0 SYSTEMS CORE DUMP TAKEN AT THIS POINT

18JOB VERSION 5 HAS CONTROL.
 \$18JOB MAP
 \$18MAP UNO1

UNO1 7094 RELMOD ASSEMBLY. 01/28/66 PAGE 1

\$1BLDR UNO1 28 JAN 66 UNO10000
 \$FILE UNO1 'UNIT01',A(1),READY,INDIT,BLK=256,BIN UNO10001

UNO1 01/28/66 PAGE 2
 FILE DICTIONARY.
 \$FDICT UNO1 UNO10002

BINARY CARD ID. UNO10003
 206002000400 UNIT01 FILE 'UNIT01
 000000000000 BIN,INDIT,NOHCVN,BLK=256
 64451630001
 606060606060
 606060606060

UNO1 01/28/66 PAGE 3
 ASSEMBLED TEXT.
 \$TEXT UNO1 UNO10004

ENTRY .UNO1.

BINARY CARD ID. UNO10005
 00000 0 00000 0 04001 10010 .UNO1. PZE UNO101
 00000 01111 UNO101 FILE ,A(1),READY,INDIT,BLK=256,BIN
 END

UN01
CONTROL DICTIONARY

01/28/66

PAGE 4

\$CDICT UN01

UN010006

BINARY CARD ID. UN010007

000001000000
000004000005
644500016060
000001000000
336445000133
000000000000

PREFACE

START=0,LENGTH=1,TYPE=7094,CPLX=5

UN01 DECK

LOC=0,LENGTH=1

.UN01. REAL

LOC=0,LENGTH=0

\$DKEND UN01

UN010008

NO MESSAGES FOR THIS ASSEMBLY

UN01
SYMBOL REFERENCE DATA

01/28/66

PAGE 5

REFERENCES TO DEFINED SYMBOLS.

CLASS SYMBOL VALUE REFERENCES

.UN01. 00000
LCTR BLCR
QUAL UN03
LCTR //
FILE UNIT01 1 0

01/28/66

PAGE 6

\$BMAP UN03

UN03
7094 RELMOD ASSEMBLY.

01/28/66

PAGE 7

\$BLDR UN03

28 JAN 66

UN030000

\$FILE UN03

UNIT03,A(3),READY,INOUT,BLK=256,BIN

UN030001

UN03
FILE DICTIONARY.

01/28/66

PAGE 8

\$FDICT UN03

UN030002

BINARY CARD ID. UN030003

206002000400
000000000000
644531630003
606060606060
666060606060

UNIT03 FILE *UNIT03

BIN,INOUT,NOHCVM,BLK=256

UN03
ASSEMBLED TEXT.

01/28/66

PAGE 9

\$TEXT UN03

UN030004

ENTRY .UN03.

BINARY CARD ID. UN030005

00000 0 00000 0 04001 10010
00000 01111

.UN03. PZE
UNIT03 FILE
END

UNIT03
,A(3),READY,INOUT,BLK=256,BIN

UN03
CONTROL DICTIONARY

01/28/66

PAGE 10

\$CDICT UN03

UN030006

BINARY CARD ID. UN030007

000001000000
000004000005
644500036060
000001000000
336445000333
000000000000

PREFACE

START=0,LENGTH=1,TYPE=7094,CPLX=5

UN03 DECK

LOC=0,LENGTH=1

.UN03. REAL

LOC=0,LENGTH=0

\$DKEND UN03

UN030008

NO MESSAGES FOR THIS ASSEMBLY

UN03
SYMBOL REFERENCE DATA

01/28/66

PAGE

REFERENCES TO DEFINED SYMBOLS.

CLASS SYMBOL VALUE REFERENCES

.UN03. 00000
LCTR BLCR
QUAL UN03
LCTR //
FILE UNIT03 1 0

01/28/66

PAGE 12

SIBMAP UN04

01/28/66

PAGE 13

UN04
7094 RELMUD ASSEMBLY.

UN040000

SIBLDR UN04

28 JAN 66

UN040001

SFILE UN04 *UNIT04*,A(4),READY,INOUT,BLK=256,BIN

PAG

01/28/66

UN04
FILE DICTIONARY.

UN040002

SFDICT UN04

BINARY CARD ID. UN040003
206002000400 UNIT04 FILE *UNIT04
000000000000
644531630004
606060606060
606060606060

BIN,INOUT,NOHCVN,BLK=256

01/28/66

UN04
ASSEMBLED TEXT.

UN040004

STEXT UN04

ENTRY .UN04.

BINARY CARD ID. UN040005
00000 0 00000 0 04001 10010 .UN04. PZE UNIT04
00000 01111 UNIT04 FILE ,A(4),READY,INOUT,BLK=256,BIN
END

01/28/66

PAGE 16

UN04
CONTROL DICTIONARY

UN040006

SCDICT UN04

BINARY CARD ID. UN040007
000001000000 PREFACE STARI=C,LENGTH=1,TYPE=7094,CHPLX=5
000004000005 UN04 DECK LOC=0,LENGTH=1
644500046060 .UN04. REAL LOC=0,LENGTH=0
000001000000
3364450.0433
000000000000
\$KEND UN04

UN040008

NO MESSAGES FOR THIS ASSEMBLY

01/28/66

UN04
SYMBOL REFERENCE DATA

REFERENCES TO DEFINED SYMBOLS.

CLASS	SYMBOL	VALUE	REFERENCES
	.UN04.	00000	
LCTR	BLCR		
QUAL	UN05		
LCTR	//		
FILE	UNIT04	1 0	

01/28/66

PA

SIBMAP UN08

01/28/66

PAGE 19

UN08
7094 RELMUD ASSEMBLY.

SIBLDR UN08

28 JAN 66

UN080000

SFILE UN08 *UNIT08*,A(8),READY,INOUT,BLK=14,BCD

UN080001

01/28/66

PAGE 20

UN08
FILE DICTIONARY.

UN080002

SFDICT UN08

BINARY CARD ID. UN080003
202002000016 UNIT08 FILE *UNIT08
000000000000
644531630010
606060606060
606060606060

01/28/66

PAGE

UN08
ASSEMBLED TEXT.

UN080004

STEXT UN08

ENTRY .UN08.

BINARY CARD ID. UN080005
00000 0 00000 0 04001 10010 .UN08. PZE UNIT08
00000 01111 UNIT08 FILE ,A(8),READY,INOUT,BLK=14,BCD
END

UN10
7094 RELMOD ASSEMBLY.

01/28/66

PAGE 31

\$BLDR UN10 28 JAN 66
\$FILE UN10 'UNIT10',A(7),%MOUNT,INPUT,BLK=14,BCD

UN10000

UN100001

UN10
FILE DILCTIONARY.

01/28/66

PAGE 32

\$FDICT UN10

UN100002

BINARY CARD ID. UN100003
200002000016 UNIT10 FILE 'UNIT10
000000000000
644531630100
606060606060
606060606060

BCD,INPUT,NOHCVN,BLK=14

UN10
ASSEMBLED TEXT.

01/28/66

PAGE 33

\$TEXT UN10

UN100004

ENTRY .UN10.

BINARY CARD ID. UN100005
00000 4 00000 0 04001 10010 .UN10. MZE UNIT1C
UNIT10 FILE .A(7),MOUNT,INPUT,BLK=14,BCD
00000 01111 END

01/28/66

PAGE 34

UN10
CONTROL DICTIONARY

\$CDICT UN10

UN100006

BINARY CARD ID. UN100007
000001000000 PREFACE START=0,LENGTH=1,TYPE=7094,CPPLX=5
000004000005 UN10 DECK LOC=0,LENGTH=1
6445C1006060 .UN10. REAL LOC=0,LENGTH=0
000001000000
336445010033
000000000000 UN100008
\$DKEND UN10

NO MESSAGES FOR THIS ASSEMBLY

01/28/66

PAGE 35

UN10
SYMBOL REFERENCE DATA

REFERENCES TO DEFINED SYMBOLS.

CLASS	SYMBOL	VALUE	REFERENCES
	.UN10.	00000	
LCTR	BLCTR		
QUAL	UN09		
LCTR	//		
FILE	UNIT10	1	0

01/28/66

PAGE 36

\$IRMAP UN11

UN11
7094 RELMOD ASSEMBLY.

01/28/66

PAGE 37

\$BLDR UN11 28 JAN 66
\$FILE UN11 'UNIT11',A(7),%MOUNT,INPUT,BLK=256,RIN

UN110000

UN110001

UN11
FILE DICTIONARY.

01/28/66

PAGE 38

\$FDICT UN11

UN110002

BINARY CARD ID. UN110003
204002000400 UNIT11 FILE 'UNIT11
000010000000
644531630101
606060606060
606060606060

RIN,INPUT,NOHCVN,BLK=256

UN11
ASSEMBLED TEXT. 01/28/66 PAGE 39

STEXT UN11 UN110004

ENTRY .UN11.

BINARY CARD ID. UN110005
00000 0 00000 0 04001 10010 .UN11. PZE UNIT11
00000 01111 UNIT11 FILE .A(7),MCUNT,INPUT,BLK=256,BIN
END

UN11
CONTROL DICTIONARY 01/28/66 PAGE 40

SCDICT UN11 UN110006

BINARY CARD ID. UN110007
000001000000 PREFACE START=C,LENGTH=1,TYPE=7094,CMPLX=5
000004000005 UN11 DECK LOC=0,LENGTH=1
644501016060 .UN11. REAL LOC=0,LENGTH=0
000001000000
336445010133
000000000000
SDKEND UN11 UN110008

NO MESSAGES FOR THIS ASSEMBLY

UN11
SYMBOL REFERENCE DATA 01/28/66 PAGE 41

REFERENCES TO DEFINED SYMBOLS.

CLASS	SYMBOL	VALUE	REFERENCES
	.UN11.	00000	
LCTR	BLCTR		
QUAL	UNQS		
LCTR	//		
FILE	UNIT11	1	0

01/28/66 PAGE 42

SIGMAP UN12

UN12
7094 RELMOD ASSEMBLY. 01/28/66 PAGE 43

SIBLDR UN12 28 JAN 66 UN120000

FILE UN12 'UNIT12',B(11),MOUNT,OUTPUT,BLK=256,800,BIN,LIST UN120001

UN12
FILE DICTIONARY. 01/28/66 PAGE 44

SFDICT UN12 UN120002

BINARY CARD ID. UN120003
205002000400 UNIT12 FILE 'UNIT12 BIN,OUTPUT,NDMCVN,BLK=256
000000000000
644531630102
606060606060
606060606060

UN12
ASSEMBLED TEXT. 01/28/66 PAGE 45

STEXT UN12 UN120004

ENTRY .UN12.

BINARY CARD ID. UN120005
00000 0 00000 0 04001 10010 .UN12. PZE UNIT12
00000 01111 UNIT12 FILE .B(11),MOUNT,OUTPUT,BLK=256,800,BIN,LIST
END

UN12
CONTROL DICTIONARY 01/28/66 PAGE 46

SCDICT UN12 UN120006

BINARY CARD ID. UN120007
000001000000 PREFACE START=C,LENGTH=1,TYPE=7094,CMPLX=5
000004000005 UN12 DECK LOC=0,LENGTH=1
644501026060 .UN12. REAL LOC=0,LENGTH=0
000001000000
336445010233
000000000000
SDKEND UN12 UN120008

NO MESSAGES FOR THIS ASSEMBLY

UNIT
SYMBOL REFERENCE DATA

01/28/66

PAGE 47

REFERENCES TO DEFINED SYMBOLS.

CLASS	SYMBOL	VALUE	REFERENCES
	.UNIT2.	00000	
CTR	BLCTR		
QUAL	UNGS		
LCTR	//		
FILE	UNIT12	1 0	

01/28/66

PAGE 48

SIBMAP MAIN

MAIN
7094 RELMOD ASSEMBLY.

01/28/66

PAGE 49

SIBLDR MAIN

28 JAN 66

MAIN0000

MAIN
ASSEMBLED TEXT.

01/28/66

PAGE 50

STEXT MAIN

MAIN0001

BINARY CARD ID. MAIN0002

00000	1 00600 0 00005	10001	MAIN	SAVE	(4),1
00001	0774 00 4 00000	10000			
00002	0441 00 0 00004	10001			
00003	0020 00 4 00001	10000			
00004	0 00000 0 00000	10000			
00005	0604 00 0 00004	10001			
00006	0634 00 4 13000	10011			
00007	0634 00 4 00110	10001			
00010	0634 00 4 00001	10001			
00011	000000000000	00010	CALL		RDCCI(READOP,NUMIN,NAMES,ISM,KEYS)
00011	0074 00 4 07000	10011			
00012	1 00005 0 01007	10011			
00013	0 00110 0 00002	10100			
00014	0 00000 0 00100	10001			
00015	0 00000 0 00101	10001			
00016	0 00000 0 00102	10001			
00017	0 00000 0 00107	10001			
00020	0 00000 0 00103	10001			
00021	0441 00 0 00103	10001	LDI		KEYS

BINARY CARD ID. MAIN0003

00022	4056 00 000001	10000	LMT		
00023	000000000000	00010	CALL		FTGEN(LNDS,NUMIN)
00023	0074 00 4 12000	10011			
00024	1 00002 0 01004	10011			
00025	0 00110 0 00005	10100			
00026	0 00000 0 00104	10001			
00027	0 00000 0 00101	10001			
00030	4056 00 000002	10000	CONV	LMT	2
00031	000000000000	00010	CALL		IPTCN(READOP,NUMIN,NAMES)
00031	0074 00 4 10000	10011			
00032	1 00003 0 01005	10011			
00033	0 00110 0 00007	10100			
00034	0 00000 0 00100	10001			
00035	0 00000 0 00101	10001			
00036	0 00000 0 00102	10001			
00037	4056 00 000004	10000	NETONE	LMT	4
00040	000000000000	00010	CALL		NETAS1(NET,STENP)
00040	0074 00 4 05000	10011			
00041	1 00002 0 01004	10011			

LNK00017

BINARY CARD ID. MAIN0004

00042	0 00110 0 00011	10100			
00043	0 00000 0 00105	10001			
00044	0 00000 0 00106	10001			
00045	000000000000	00010	CALL		NETSI(LNDS,READOP,NUMIN,NAMES,KEYS,ISM)
00045	0074 00 4 04000	10011			
00046	1 00006 0 01010	10011			
00047	0 00110 0 00012	10100			
00050	0 00000 0 00104	10001			
00051	0 00000 0 00100	10001			
00052	0 00000 0 00101	10001			

MAIN
ASSEMBLED TEXT.

01/28/66

00053	0 00000 0 00102	10001			
00054	0 00000 0 00103	10001			
00055	0 00000 0 00107	10001			
00056	4054 00 000010	10000	LFT		10
00057	0020 00 0 14000	10011	TRA		SYSOMP
00060	000000000000	00010	CALL		.FWRD.(UNO6.,DONE)
00060	0074 00 4 110 0	10011			
00061	1 00002 0 01004	10011			
00062	0 00110 0 00015	10100			

SIBFTC RDCCI M94/2, 117

RDCCI - EFN SOURCE STATEMENT - (FN(S) -

```

SUBROUTINE RDCC(READOP, NUMIN, NAMES, ISM, KEYS)
DATA CCNTL/6MCONTROL/
INTEGER READOP, USKEYS
DIMENSION USKEYS(36)
READ(5,7000)CNTL, READOP, NUMIN, NAMES, ISM, (USKEYS(K), K=1, 36)
IF (CCNTL.NE.CNTL) GO TO 111
IF (READOP.LT.1.O .OR. READOP.GT.3) GO TO 111
IF (NUMIN.GT.910.O .OR. NUMIN.LT.1) GO TO 111
KEYS=0
DO 1 I=1, 36
KEYS=2+KEYS
1 KEYS=KEYS+USKEYS(I)
WRITE(6,7001)READOP, NUMIN, NAMES, KEYS, ISM
2 RETURN
111 WRITE(6,7002)
STOP
7000 FORMAT(A6, I2, I3, I4, I1, 20X, 36I1)
7001 FORMAT(13HICONTROL CARD/5X, 7HREADOP=, I2/5X-6HNUMIN=, I3/5X-6HNAMES=,
I, I4/5X, 3HKEYS=, O12/5X, 4MISM=, I1)
7002 FORMAT(26HIRDCC CONTROL CARD - STOP.)
END

```

RDCCI			STORAGE MAP			SUBROUTINES CALLED		
SUBROUTINE RDCC			DIMENSIONED PROGRAM VARIABLES			SUBROUTINES CALLED		
SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
USKEYS	00001	I						
UNDIMENSIONED PROGRAM VARIABLES			ENTRY POINTS					
SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
CNTL	00045	R	CCNTL	00046	R			
RDCC	SECTION	2						
.FRDD.	SECTION	3	.FWRD.	SECTION	4	.EXIT.	SECTION	5
.UN05.	SECTION	6	.FRTN.	SECTION	7	.FCNV.	SECTION	8
.UN06.	SECTION	9	.FFIL.	SECTION	1C	SYSLOC	SECTION	11
EFN	IFN	LOCATION	EFN	IFN	LOCATION	EFN	IFN	LOCATION
7000	FORMAT	00061	111	31A	00222	70C2	25A	00174
7001	FORMAT	00066	2	30A	00221		FORMAT	00106

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 00301.

SIBMAP BTDF LIST, REF LNK00030

7094 RELMOD ASSEMBLY.

SIBLDR RTDF 28 JAN 66

BTDF0000

ASSEMBLED TEXT.

STEXT RTDF

BTDF0001

ENTRY RTDF

LNK00031

BINARY CARD ID.	RTI	F0002	RTDF	SAVE	(1,4)I		
00000	1	00000	0	00006	10001	BTDF	SAVE (1,4)I
00001	0774	00	1	00000	10000		
00002	0774	00	4	00000	10000		
00003	0441	00	0	00005	10001		
00004	0020	00	4	00001	10000		
00005	0	00000	0	00000	10000		
00006	0504	00	0	00005	10001		
00007	0634	00	4	04000	10011		
00010	0634	00	4	00052	10001		
00011	0634	00	4	00002	10001		
00012	0634	00	1	00001	10001		
00013	0600	00	0	00046	10001	STZ	TEMP2
00014	0500	60	4	00003	10000	CLA	3,4
00015	0771	00	0	00033	10000	ANS	27
00016	0601	00	0	00045	10001	STO	TEMP1
00017	0441	00	0	00045	10001	LDI	TEMP1
00020	0774	00	1	00010	10000	RXT	8,1
00021	0500	00	0	00054	10001	CLA	=0200
00022	0621	00	0	01001	10011	STA	**1

LNK00033
LNK00034
LNK00035
LNK00036
LNK00037
LNK00038
LNK00039
LNK00040

BINARY CARD ID. BTOF0003

00023	0054 00 000000	10000	B1	RFT	**	LNK00041
00024	0020 00 0 00030	10001		TRA	B3	LNK00042
00025	0771 00 0 00001	10000		ARS	1	LNK00043
00026	2 00001 1 00022	10001		TIX	B,1,1	LNK00044
00027	0774 00 1 00000	10000		AXT	0,1	LNK00045
00030	0634 00 1 00046	10001	B3	SXA	TEMP2,1	LNK00046
00031	0634 00 1 00040	10001		SXA	SHIFT,1	LNK00047
00032	0500 60 4 00004	10000		CLA*	4,4	
00033	0400 00 0 00046	10001		ADD	TEMP2	LNK00049
00034	0407 00 0 00055	10001		ADD	=0170	LNK00050
00035	076 00 0 00033	10000		ALS	27	LNK00051
00036	0601 00 0 00045	10001		STO	TEMP1	LNK00052
00037	0500 60 4 00003	10000		CLA*	3,4	LNK00053
00040	0771 00 0 00000	10000	SHIFT	ARS	**	LNK00054
00041	4501 00 0 00045	10001		ORA	TEMP1	LNK00055
00042	0300 00 0 00056	10001		FAD	+C	LNK00056
00043	0601 60 4 00005	10000		STO*	5,4	LNK00057
	00044			RETURN	BTOF	LNK00058
00045	200000000001	00001	TEMP1	RSS	1	LNK00059

BINARY CARD ID. BTOF0004

00046	200000000002	00001	TEMP2	BSS	2	LNK00060
00050	200000000001	00001	TEMP3	BSS	1	LNK00061
00051	200000000001	00001	IND	BSS	1	
00052	000000000000	10000		*LDIR		
00053	226346266060	10000				
00054	000000000200	10000		*LORG		
00055	000000000170	10000				
00056	000000000000	10000				
	00000	01111	END			LNK00062

CONTROL DICTIONARY

01/28/66

PAGE 60

%CDICT BTOF

BTOF0005

BINARY CARD ID. BTOF0006

000057000000		PREFACE	START=0,LENGTH=47,TYPE=7094,CMPLX=5
000004000005			
226346266060	BTOF	DECK	LOC=0,LENGTH=47
000057000000			
226346266060	BTOF	REAL	LOC=0,LENGTH=0
000000000000			
226346266060	BTOF	REAL	LOC=0,LENGTH=0
000000000000			
627062434623	SYSLOC	VIRTUAL	SECT. 4
200000000000			
\$DKEND BTOF			

BTOF0007

NO MESSAGES FOR THIS ASSEMBLY

SYMBOL REFERENCE DATA

01/28/66

PAGE 61

REFERENCES TO DEFINED SYMBOLS.

CLASS	SYMBOL	VALUE	REFERENCES
	B1	00023	
	B3	00030	24
	B	00022	26
	BTOF	00000	44
	IND	00051	
	..0001	00002	11,12
	..0002	00004	3,6
	..0003	00006	0
LCTR	BLCR		
QUAL	UNQS		
LCTR	//		
	SHIFT	00040	31
	TEMP1	00045	16,17,36,41
	TEMP2	00046	13,30,33
	TEMP3	00050	

REFERENCES TO VIRTUAL SYMBOLS.

SYSLOC 4 7

01/28/66

PAGE 62

\$IBLDR \$PDINT
\$IBMAP NETGEN LIST,REF

\$PD10000

7094 RELMJD ASSEMBLY.

01/28/66

PAGE 63

\$IBLDR NETGEN

28 JAN 66

NETGEN00

TEXT NETGEN

NETGEN01

QMOD	ENTRY	NETGEN	
	MACRO	D1,D2,D3,D4,D5,D6,D7,D8	
	CLA	D1	LNK10001
	ADD	ONE	LNK10002
	CAS	D2	LNK10003
	TRA	**23	LNK10004
	TRA	**1	LNK10005
	STO	D1	LNK10006
	CLA	D5	LNK10007
	ADD	ONE	LNK10008
	STO	D5	LNK10009
	CAS	D8	LNK10010
	TRA	**3	LNK10011
	TRA	**20	LNK10012
	TRA	**17	LNK10013
	CLA	ONE	LNK10014
	STO	D5	LNK10015
	ADD	D4	LNK10016
	STO	D4	LNK10017
	CAS	D7	LNK10018
	TRA	**3	LNK10019
	TRA	**12	LNK10020
	TRA	**11	LNK10021
	CLA	ONE	LNK10022
	STO	D4	LNK10023
	ADD	D3	LNK10024
	STO	D3	LNK10025
	TRA	**6	LNK10026
	CLA	ONE	LNK10027
	STO	D1	LNK10028
	STO	D3	LNK10029
	STO	D4	LNK10030
	STO	D5	LNK10031
	NOP	D6	LNK10032
	ENDM	QMOD	LNK10033
			LNK10034
			LNK10035
			LNK10036

BINARY CARD ID.	NETGEN02				
00000	1 00000 0 00007	10001	NETGEN SAVE	(1,2,4)1	LNK10037
00001	0774 00 2 00000	10000			
00002	0774 00 1 00000	10000			
00003	0774 00 4 00000	10000			
00004	0441 00 0 00006	10001			
00005	0020 00 4 00001	10000			
00006	0 00000 0 00000	10000			
00007	0604 00 0 00006	10001			
00010	0634 00 4 15000	10011			
00011	0634 00 4 10257	10001			
00012	0634 00 4 00003	10001			
00013	0634 00 1 00002	10001			
00014	0634 00 2 00001	10001			
00015	0634 00 4 00101	10001	SXA	TOP1,4	
00016	0774 00 1 03720	10000	TOP	AXT	2000,1
					LNK10038
					LNK10039

00017	0600 00 1 05303	10001	STZ	IN1+2000,1	LNK10040
00020	2 00001 1 41001	10011	TIX	*-1,1,1	LNK10041
					LNK10042
					LNK10043
					LNK10044
					LNK10045
					LNK10046
					LNK10047
					LNK10048
					LNK10049
					LNK10050
					LNK10051
					LNK10052

BINARY CARD ID.	NETGEN03	
00022	1 00037 0 01034	10011
00023	0 10257 0 00001	10100
00024	0 00000 0 04240	10001
00025	0 00000 0 04233	10001
00026	0 00000 0 10236	10001
00027	0 00000 0 04234	10001
00030	0 00000 0 04236	10001
00031	0 00000 0 04235	10001
00032	0 00000 0 01706	10001
00033	0 00000 0 01707	10001
00034	0 00000 0 01710	10001
00035	0 00000 0 04226	10001
00036	0 00000 0 03064	10001
00037	0 00000 0 03065	10001
00040	0 00000 0 01363	10001
00041	0 00000 0 01402	10001
00042	0 00000 0 01421	10001
00043	0 00000 0 01440	10001
00044	0 00000 0 01457	10001

.....CALL ROUTINE TO READ IN NETWORK PARAMETERS

CALL	RSF11(LEVNO,DT,EPSLN,MSTEP,CSAT,COMG,X,Y,Z,RND,PCH,
ETC	DCM, IN1, IN2, IN3, IN4, IN5, IN6, IN7, IN8, IN9, IN10, IN11,
ETC	IN12, IN13, IN14) * 1

BINARY CARD ID. NETGEN04

00045 C 00000 0 01476 10001
 00046 0 00000 0 01515 10001
 00047 0 00000 0 01536 10001
 00050 0 00000 0 01551 10001
 00051 00000 0 01572 10001
 00052 0 00000 0 01611 10001
 00053 0 00000 0 01630 10001
 00054 C 00000 0 01647 10001
 00055 C 00000 0 01666 10001
 00056 0600 00 0 00166 10001
 00057 0774 00 1 00017 10000
 00060 0500 00 1 01457 10001
 00061 0400 00 1 01476 10001
 00062 0400 00 1 01515 10001
 00063 0400 00 1 01536 10001
 00064 0400 00 0 10261 10001
 00065 0601 00 0 00167 10001
 00066 0560 00 1 01402 10001
 00067 0200 00 1 01421 10001

STZ NTSIZE
 AXI 15,1 INITIALIZE NO. OF LEVEL
 NTSZCL CLA IN4+15,1
 ADD IN5+15,1
 AND IN6+15,1
 AND IN7+15,1
 ADD CONTROL WORDS PER COMP.
 STU NTSIZE+1 NUMBER OF WORDS PER COMP.
 LDO IN1+15,1
 MPY IN2+15,1

BINARY CARD ID. NETGEN05

00070 0200 00 1 01440 10001
 00071 0200 00 0 00167 10001
 00072 0131 00 0 00000 10000

MPY IN3+15,1
 MPY NTSIZE+1
 XCA
 MPY BY NUMBER OF WORDS PER COMP. PER LEVEL

01/20/66 PAGE 66

ASSEMBLED TEXT:

00073 0400 00 0 00166 10001
 00074 0601 00 0 00166 10001
 00075 2 00001 1 00060 10001
 00076 0402 00 0 00170 10001
 00077 0100 00 0 01002 10011
 00100 0120 00 0 00145 10001
 00101 0774 00 4 00000 10011
 1 00001 7 00001 11010
 00102 0500 00 0 04240 10001
 00103 0601 60 4 00001 10000
 00104 0560 00 0 01706 10001
 00105 0200 00 0 01707 10001
 00106 0200 00 0 01710 10001
 00107 4600 00 0 01705 10001
 00110 4600 00 0 04241 10001
 00111 0500 60 4 00004 10000

ADD NTSIZE CALCULATE NUMBER OF WORDS PER LEVEL.
 STO NTSIZE
 TIX NTSZCL+1,1
 SUB NETMAX
 TZE **2
 TPL OVSIZE
 AXI **0,4
 CLA LFNVO
 STO 3,4
 LDO X
 Y
 MPY Z
 STQ M
 STQ MA
 CLA 4,4
 NUMBER OF COMPONENTS ON ZERO-TH LEVEL.
 NO. OF SENSORY INPUTS

LNK10053
 LNK10054
 LNK10055
 LNK10056
 LNK10057

BINARY CARD ID. NETGEN06

00112 0402 00 0 01705 10001
 00113 0100 00 0 00171 10001
 00114 000000000000 00010
 00114 0074 00 4 12000 10011
 00115 1 07002 0 01004 10011
 00116 0 10257 0 00117 10100
 00117 0 00000 0 16000 10011
 00120 0 00000 0 00133 10001
 00121 0500 00 0 01705 10001
 00122 0074 00 4 17000 10011
 00123 0500 60 4 00004 10000
 00124 0074 00 4 17000 10011
 00125 000000000000 00010
 00125 0074 00 4 10000 10011
 00126 1 00000 0 01002 10011
 00127 0 10257 0 00124 10100
 00130 000000000000 00010
 00130 0074 00 4 04000 10011
 00131 1 00000 0 01002 10011

SUB M
 TZE OK
 CALL .FWRD.(.UN06.,UNEQ)
 CLA M
 TSX .FCNV.,4
 CLA 4,4
 TSX .FCNV.,4
 CALL .FFIL.
 CALL EXIT

BINARY CARD ID. NETGEN07

00132 0 10257 0 00124 10100
 00133 740630009454 10000
 00134 545454730103 10000
 00135 304525636646 10000
 00136 514260623171 10000
 00137 251373310473 10000
 00140 066773010730 10000
 00141 606062254562 10000
 00142 465172603145 10000
 00143 476403621373 10000
 00144 310436606060 10000
 00145 000000000000 00010
 00145 0074 00 4 12000 10011
 00146 1 00002 0 01004 10311
 00147 0 10257 0 00130 10100
 00150 0 00000 0 16000 10011
 00151 0 00000 0 00160 10001

UNEQ BCI 9,(6HC****,13MNETWORK SIZE=,14,6X,17M SENSORY INPUTS=,
 OVSZ CALL 1,14)
 .FWRD.(.UN06.,SIZE) NETWORK TO BIG.

01/28/66 PAGE 67

ASSEMBLED TEXT:

00157 000000000000 00010
 00152 0074 00 4 10000 10011

CALL .FFIL.

BINARY CARD ID. NETGEN08

00153 1 00000 0 01002 10011
 00154 0 10257 0 00131 10100
 00155 000000000000 00010
 00155 0074 00 4 04000 10011
 00156 1 00000 0 01002 10011
 00157 0 10257 0 00132 10100
 00160 740300100145 10000
 00161 256466465142 10000
 00162 606731712560 10000
 00163 256723252524 10000
 00164 626045256364 10000
 00165 216713603460 10000
 00166 200000000002 00001
 00170 00000042155 10000
 00171 0774 00 4 00017 10000
 00172 0400 00 4 01402 10001
 00173 0200 00 4 01421 10001
 00174 0200 00 4 01440 10001
 00175 4600 00 4 04261 10001

CALL EXIT
 SIZE BCI 6,(130MINNETWORK SIZE EXCEEDS NETMAX.)
 NTSIZE R55 2
 NETMAX DEC 17517
 AXI 15,4
 DIMEN LDO IN1+15,4
 MPY IN2+15,4
 MPY IN3+15,4
 STQ MA+16,4

LNK10059
 LNK10060
 LNK10061
 LNK10062

BINARY CARD ID. NETGEN09
 00176 2 00001 4 00177 10001 TIX DIMEN,4.1
 04240 LEVTOT EQU LEVNO

LNK10063
 LNK10064

01/28/66

PAGE 68

ASSEMBLED TEXT.

.....INITIALIZE RANDCM NO. GENERATOR

00177	0074	00	4	00471	10001	RDMIT	TSX	RDH,4	LNK10066
00200	0500	00	0	04225	10001		CLA	CTR1	LNK10067
00201	0400	00	0	10241	10001		ADD	ONE	LNK10068
00202	0601	00	0	04225	10001		STC	CTR1	LNK10069
00203	0340	00	0	04226	10001		CAS	RND	LNK10070
00204	0020	00	0	01003	10011		TRA	+3	LNK10071
00205	0020	00	0	01002	10011		TRA	+2	LNK10072
00206	0020	00	0	00177	10001		TRA	RDMIT	LNK10073
									LNK10074
									LNK10075

01/28/66

PAGE 69

ASSEMBLED TEXT.

00207	0074	00	4	00326	10001	LVLOP	TSX	MAXLEV,4	START A NEW LEVEL	LNK10077
00210	0074	00	4	01155	10001	MODLOP	TSX	MAXMOD,4	START A NEW MODE	LNK10078
00211	0074	00	4	00553	10001		TSX	CONLP,4	MAKE CONNECTIONS FOR 1 MODE	LNK10079
00212	0520	00	0	01746	10001		ZET	PRST	TEST MODES AND	LNK10080
00213	0020	00	0	00225	10001		TRA	PRMARY		LNK10081
00214	0520	00	0	01745	10001		ZET	EXIN		LNK10082
00215	0620	00	0	00221	10001		TRA	PRINEX		LNK10083
00216	0500	00	0	10241	10001		CLA	ONE		LNK10084
00217	0601	00	0	01745	10001		STO	EXIN		LNK10085
00220	0020	00	0	00210	10001		TRA	MODLOP		LNK10086

BINARY CARD ID. NETGEN10

00221	0600	00	0	01745	10001	PRINEX	STZ	EXIN	LNK10087
00222	0500	00	0	10241	10001		CLA	ONE	LNK10088
00223	0601	00	0	01746	10001		STO	PRST	LNK10089
00224	0020	00	0	00210	10001		TRA	MODLOP	LNK10090
00225	0520	00	0	01745	10001	PRMARY	ZET	EXIN	LNK10091
00226	0020	00	0	00232	10001		TRA	COMPND	LNK10092
00227	0500	00	0	10241	10001		CLA	ONE	LNK10093
00230	0601	00	0	01745	10001		STO	EXIN	LNK10094
00231	0020	00	0	00210	10001		TRA	MODLOP	LNK10095
00232	0600	00	0	01745	10001	CMFEND	STZ	EXIN	LNK10096
00233	0600	00	0	01746	10001		STZ	PRST	LNK10097
00234	0500	00	0	01705	10001		CLA	M	LNK10098
00235	0402	00	0	01711	10001		SUB	M	LNK10099
00236	4100	00	0	00210	10001		TNZ	MODLOP	LNK10100
00237	0500	00	0	04240	10001		CLA	LEVTOT	LNK10101
00240	0402	00	0	03067	10001		SUB	LEVNO	LNK10102
00241	4100	00	0	00207	10001		TNZ	LVLOP	LNK10103
00242	000000000000	00010					CALL	PUTREC(NUMCOM,COMNUM,LEVELN)*2	LNK10104

BINARY CARD ID. NETGEN11

00243	1	00003	0	01005	10011					
00244	0	10257	0	00002	10100					
00245	0	00000	0	04277	10001					
00246	0	00000	0	04265	10001					
00247	0	00000	0	04300	10001					
00250	0500	00	0	10262	10001		CLA	=3	LAST PASS OF GENXY	LNK10105
00251	0601	00	0	10255	10001		STO	IPASS		LNK10106
							CALL	GENXY(PRLEV,IN,LEVNO,N,MA,COMNUM,IPASS,K,Y,I,INI,INZ,		LNK10107
							ETC	IN3,LEVNO)		LNK10108
00252	00000	000000	00010							
00253	00000	000000	00010							
00254	00000	000000	00010							
00255	00000	000000	00010							
00256	00000	000000	00010							
00257	00000	000000	00010							
00260	00000	000000	00010							
00261	00000	000000	00010							
00262	00000	000000	00010							
00263	00000	000000	00010							
00264	00000	000000	00010							

BINARY CARD ID. NETGEN12

01/28/66

PAGE 70

ASSEMBLED TEXT.

00265	0	00000	0	01707	10001					
00266	0	00000	0	01710	10001					
00267	0	00000	0	01363	10001					
00270	0	00000	0	01402	10001					
00271	0	00000	0	01421	10001					
00272	0	00000	0	04240	10001					
00273	000000000000	00010					CALL	.FRWD.(.INUB.,FMT) 999 SIGNALS END OF CONNECTION RECORDS		LNK10109
00274	1	00007	0	01004	10011					
00275	0	10257	0	00271	10100					
00276	0	00000	0	20000	10011					
00277	0	00000	0	00317	10001					
00300	000000000000	00010					CALL	.FFIL.		LNK10110
00300	0074	00	4	10000	10011					
00301	1	00000	0	01002	10011					
00302	0	10257	0	00222	10100					
00303	000000000000	00010					CALL	.FRWT.(.UNOB.)		LNK10111
00303	0074	00	4	11000	10011					
00304	1	00001	0	01003	10011					

BINARY	CARD ID.	NETGEN13				
	00305	C 10257 0 00223	10100			
	00306	0 00000 0 20000	10011			
	00307	000000000000	00010	CALL	.FPRN.(FMI)	LNK10112
	00307	0074 00 4 05000	10011			
	00310	1 00001 0 01003	10011			
	00311	C 10257 0 00224	10100			
	00312	0 00000 0 00321	10001			
	00313	000000000000	00010	CALL	.FFIL.	LNK10113
	00313	0074 00 4 10000	10011			
	00314	1 00000 0 01002	10011			
	00315	0 10257 0 00225	10100			
						LNK10114
						LNK10115
						LNK10116
						LNK10117
						LNK10118
	00317	740430601111	10000	FINISH RETURN	NETGEN	
	00320	117310006735	10000	FMT	BCI	2.(4H 999,BCX)
	00321	7402C2390154	10000	FMI	BCI	5.(22H)***NETWORK GENERATED. I
	00322	545445253366	10000			
	00323	465142602725	10000			
	00324	452551216325	10000			
	00325	243360346060	10000			

ASSEMBLED TEXT.

01/28/66

PAGE 71

						LNK10120
						LNK10121
BINARY	CARD ID.	NETGEN14				
	00326	0634 00 4 00420	10001	MEXLEV	SXA	XNKLEV,4
	00327	0500 00 0 03067	10001		CLA	LEVN
	00329	0400 00 0 10241	10001		ADD	ONE
	00331	0601 00 0 03067	10001		STO	LEVN
	00332	0774 00 1 00004	10000		AXT	4,1
	00333	0500 00 1 01711	10001		CLA	M4,1
	00334	0601 00 1 01721	10001		STO	IM4,1
	00335	2 00001 1 41002	10011		TIX	0-2,1,1
	00336	0500 00 0 01715	10001		CLA	IP
	00337	0601 00 0 01721	10001		STO	IN
	00340	0535 00 1 03067	10001		LAC	LEVN,1
	00341	1 00001 1 01001	10011		TXI	0+1,1,1
	00342	0500 00 1 01363	10001		CLA	IN1,1
	00343	0601 00 0 01706	10001		STO	X
	00344	0500 00 1 01402	10001		CLA	IN2,1
	00345	0601 00 0 01707	10001		STO	Y
	00346	0500 00 1 01421	10001		CLA	IN3,1
	00347	0601 00 0 01710	10001		STO	Z
	00350	0131 00 0 00000	10000		XCA	
						CALCULATE NO. OF COMPS
						LNK10122
						LNK10123
						LNK10124
						LNK10125
						LNK10126
						LNK10127
						LNK10128
						LNK10129
						LNK10130
						LNK10131
						LNK10132
						LNK10133
						LNK10134
						LNK10135
						LNK10136
						LNK10137
						LNK10138
						LNK10139
						LNK10140

BINARY	CARD ID.	NETGEN15				
	00351	0200 00 0 01707	10001	MPY	Y	LNK10141
	00352	0200 00 0 01706	10001	MPY	X	LNK10142
	00353	0131 00 0 00000	10000	KCA		LNK10143
	00354	0601 00 0 01705	10001	STO	M	LNK10144
	00355	0601 00 0 01711	10001	STO	N	LNK10145
	00356	0500 00 1 01440	10001	CLA	IN4,1	LNK10146
	00357	0601 00 0 03047	10001	STO	SX	LNK10147
	00360	0500 00 1 01457	10001	CLA	IN5,1	LNK10148
	00361	0601 00 0 03050	10001	STO	SI	LNK10149
	00362	0500 00 1 01476	10001	CLA	IN6,1	LNK10150
	00363	0601 00 0 03051	10001	STO	PX	LNK10151
	00364	0500 00 1 01515	10001	CLA	IN7,1	LNK10152
	00365	0601 00 0 03052	10001	STO	PI	LNK10153
	00366	0500 00 1 01534	10001	CLA	IN8,1	LNK10154
	00367	0601 00 0 03053	10001	STO	G SX	LNK10155
	00370	0500 00 1 01553	10001	CLA	IN9,1	LNK10156
	00371	0601 00 0 03054	10001	STO	GSI	LNK10157
	00372	0500 00 1 01572	10001	CLA	IN10,1	LNK10158
	00373	0601 00 0 03055	10001	STO	GPX	LNK10159

BINARY	CARD ID.	NETGEN16				
	00374	0500 00 1 01611	10001	CLA	IN11,1	LNK10160
	00375	0601 00 0 03056	10001	STO	GPI	LNK10161
	00376	0500 00 1 01630	10001	CLA	IN12,1	LNK10162
	00377	0601 00 0 03057	10001	STO	SCTYP	LNK10163
	00400	0500 00 1 01647	10001	CLA	IN13,1	LNK10164
	00401	0601 00 0 03060	10001	STO	PCTYP	LNK10165
	00402	0500 00 1 01666	10001	CLA	IN14,1	LNK10166
	00403	0601 00 0 03061	10001	STO	SLFCGN	LNK10167
						LNK10168

ASSEMBLED TEXT.

01/28/66

PAGE 72

	00404	0774 00 1 00005	10000	AXT	3,1	LNK10169
	00405	0500 00 1 01712	10001	CLA	M+5,1	LNK10170
	00406	0601 00 1 01732	10001	STO	SM+5,1	LNK10171
	00407	2 00001 1 41002	10011	TIX	0-2,1,1	LNK10172
	00410	0774 00 1 00003	10000	AXT	3,1	LNK10173
	00411	0500 00 1 01711	10001	FLEV	X+1,1	LNK10174
	00412	0074 00 4 00717	10001	TSX	FLTNT,4	LNK10175
	00413	0601 00 1 01755	10001	STO	FX+3,1	LNK10176
	00414	0500 00 1 01721	10001	CLA	IX+3,1	LNK10177
	00415	0074 00 4 00717	10001	TSX	FLTNT,4	LNK10178
	00416	0601 00 1 01760	10001	STO	FLX+3,1	LNK10179
BINARY	CARD ID.	NETGEN17				
	00417	2 00001 1 00411	10001	TIX	FLEV,1,1	LNK10180
	00420	0774 00 4 00000	10011	XNKLEV	AXT	0-0,4
		1 00001 7 00001	11010			LNK10181
	00421	0020 00 4 00001	10000	TRA	1,4	LNK10182
						LNK10183
						LNK10184

ASSEMBLED TEXT.

00546	603145602346	10000				
00547	512533602321	10000				
00550	454546636023	10000				

BINARY CARD ID. NETGEN22						
00551	464563314564	10000				
00552	336161616034	10000				
00553	0634 00 4 00704	10001				
	00554					

			BCI	1,.,/// 1		LNK10251
			CONLP-	COMPUTATIONS, DECISIONS, AND		LNK10252
				CONNECTIONS MADE FOR ONE MODE		LNK10253
			CONLP SXA	XCONLP,4		LNK10254
			*QMOD HERE INCREASES THE INITIAL COMPONENT AND ITS			LNK10255
			*NUMBER TRIPLE BY ONE			LNK10256
			QMOD	IN,IM,IA,IS,IC,IX,IY,IZ		LNK10257

BINARY CARD ID. NETGEN23						
00614	4520 00 0 03046	0001	NZT	CNO	ANY CONNECTIONS THIS MOD	LNK10258
00615	0020 00 0 00704	10001	TRA	XCONLP	NO-GO TO NEXT MODE	LNK10259
00616	0535 00 1 01721	10001	LAC	IN,1	TEST IF THIS CONNECTION	LNK10260

BINARY CARD ID. NETGEN24						
00617	0520 00 1 01775	10001	ZET	TABLE,1	IS ALLOWABLE	LNK10261
00620	0020 00 0 00626	10001	TRA	NOGO	NO-FORGET IT	LNK10262
00621	0074 00 4 00734	10001	TSX	DSTNCE,4	YES-COMPUTE DISTANCE	LNK10263
00622	0074 00 4 00747	10001	TSX	PRBLTY,4	COMPUTE PROBABILITY	LNK10264
00623	0074 00 4 01074	10001	TSX	DECIDE,4	MAKE DECISION TO CONNECT	LNK10265
00624	4520 00 0 03066	10001	NZT	DSCN	TEST DECISION	LNK10266
00625	0020 00 0 00635	10001	TRA	OKCON	YES-CONNECT	LNK10267
00626	0500 00 0 03071	10001	NOGO	CLA	NO-DONT CONNECT	LNK10268
00627	0400 00 0 10241	10001	ADD	LPCTR	ADD ONE TO FAILURES	LNK10269
00630	0601 00 0 03071	10001	STO	LPCTR		LNK10270
00631	0340 00 0 10256	10001	CAS	MAXLP	IF 100,000 SUCCESSIVE FAILURES,	LNK10271
00632	0020 00 0 00675	10001	TRA	GETOUT	GIVE IT UP	LNK10272
00633	0020 00 0 00675	10001	TRA	GETOUT		LNK10273
00634	0020 00 0 00554	10001	TRA	CONLP+1	IF NOT, TRY AGAIN	LNK10274
			OKCON	CALL	CONECT(A,B,CPLS,CMIS,CPLI,CMINI,SXPLSI,PXPLPI,NUMCOM,	LNK10275
			ETC	ETC	COMNUM,LEVELN,CCTR,PRST,PRLEV,LEVN,N,IPASS,PA,LEVND,	LNK10276
			ETC	ETC	NEWCOM,EXIN,IN)	LNK10277

00635	000000000000	00010				
00635	0074 00 4 13000	10011				
00636	1 00026 0 01030	10011				
00637	0 10257 0 00542	10100				
00640	0 00000 0 01712	10001				

BINARY CARD ID. NETGEN25						
00641	0 00000 0 01713	10001				
00642	0 00000 0 04261	10001				
00643	0 00000 0 04262	10001				
00644	0 00000 0 04263	10001				
00645	0 00000 0 04264	10001				
00646	0 00000 0 04312	10001				
00647	0 00000 0 04313	10001				
00650	0 00000 0 04277	10001				
00651	0 00000 0 04265	10001				
00652	0 00000 0 04300	10001				
00653	0 00000 0 03045	10001				
00654	0 00000 0 01746	10001				
00655	0 00000 0 03070	10001				

ASSEMBLED TEXT.

00656	0 00000 0 03067	10001				
00657	0 00000 0 01711	10001				
00660	0 00000 0 10255	10001				
00661	0 00000 0 04241	10001				
00662	0 00000 0 04240	10001				
00663	0 00000 0 10234	10001				

BINARY CARD ID. NETGEN26						
00664	0 00000 0 01745	10001				
00665	0 00000 0 01721	10001				
00666	0074 00 4 01117	10001	TSX	ENTBLE,4	ALTER CONNECTION TABLE	LNK10278
00667	0600 00 0 03071	10001	STZ	LPCTR	ZERO FAILURE COUNTER	LNK10279
00670	0500 00 0 03045	10001	CLA	CCTR	TEST FOR ANY MORE CONNECTIONS	LNK10280
00671	0340 00 0 03046	10001	CAS	CNO	THIS MODE	LNK10281
00672	0020 00 0 00704	10001	TRA	XCONLP	NO-EXIT	LNK10282
00673	0020 00 0 00704	10001	TRA	XCONLP		LNK10283
00674	0020 00 0 00554	10001	TRA	CONLP+1	YES-TRY FOR NEXT CONNECTION	LNK10284
00675	000000000000	00010	GETOUT	CALL	.FPRN.(MODICE)	LNK10285
00675	0074 00 4 05000	10011				
00676	1 00001 0 01003	10011				
00677	0 10257 0 00554	10100				
00700	0 00000 0 00706	10001				
00701	000000000000	00010				
00701	0074 00 4 10000	10011	CALL	.FFIL.		LNK10286
00702	1 00000 0 01002	10011				
00703	0 10257 0 00555	10100				
00704	0774 00 4 00000	10011	XCONLP	AXT	0-0,4	LNK10287

BINARY CARD ID. NETGEN27						
00705	1 00001 7 00001	11010				
00705	0020 00 4 00001	10000	TRA	1,4		LNK10288
00706	746004073001	10000	MODICE	BCI	9,(47H1100,000 ATTEMPTS FAIL TO PRODUCE A CONNECTION.)	LNK10289
00707	010000730000	10000				
00710	006021636325	10000				
00711	444763626026	10000				
00712	213143606346	10000				
00713	604751462464	10000				
00714	232560216023	10000				
00715	464545252363	10000				
00716	314645333460	10000				

BINARY CARD ID. NETGEN35

01130	0100	00	0	01145	10001	TZE	SELF	MAKE SELF-TEST	LNK10459
01131	4520	00	0	03113	10001	NZT	TTEST	IF ZERO, DC NOT ENTER	LNK10460
01132	0020	00	0	01144	10001	TRA	XNTBL	IN TABLE	LNK10461
01133	0535	00	1	01721	10001	STOPIT	LAC	IN,1	LNK10462
01134	0500	07	0	03113	10001	CLA	TTEST		LNK10463
01135	0402	00	0	10243	10001	SUB	THREE		LNK10464
01136	4100	00	0	01004	10011	TNZ	0+4	TYPE 1 OR 2	LNK10465
01137	0500	00	0	10241	10001	CLA	ONE	TYPE 3	LNK10466
01140	0601	00	1	03156	10001	STO	TABLE.1	ENTER IN PRIMARY STEP TABLE	LNK10467
01141	0020	00	0	01144	10001	TRA	XNTBL		LNK10468
01142	0500	00	0	10241	10001	CLA	ONE	TYPE 1 OR 2	LNK10469
01143	0601	00	1	01775	10001	STO	TABLE.1	ENTER INTO STOP TABLE	LNK10470
01144	0020	00	4	00001	10000	XNTBL	TRA	1,4	LNK10471
01145	0500	00	0	03062	10001	SELF	CLA	SLFST	LNK10472
01146	0402	00	0	10241	10001	SUB	ONE	ONE MORE SELF-CONNECTION	LNK10473
01147	0601	00	0	03062	10001	STO	SLFTST		LNK10474
01150	4100	00	0	01144	10001	TNZ	XNTBL	MORE ALLOWED	LNK10475
01151	0535	00	1	01721	10001	LAC	IN,1	NO MORE ALLOWED	LNK10476
01152	0500	00	0	10241	10001	CLA	ONE	ENTER IN TABLE	LNK10477

BINARY CARD ID. NETGEN36

01153	0601	00	1	01775	10001	STO	TABLE.1		LNK10478
01154	0020	00	4	00001	10000	TRA	1,4		LNK10479

01/28/66

PAGE 83

ASSEMBLED TEXT.

01155	0634	00	4	01263	10001	NETMOD	SKA	SET SWITCHES FOR NEXT	LNK10482
01156	0520	00	0	01746	10001	NETMOD	XNMOD,4	MODE AND/OR COMPONENT	LNK10483
01157	0020	00	0	01214	10001	ZET	PRST	TEST PRIM - STATE	LNK10484
01160	4520	00	0	01745	10001	TRA	NXPRIM	PRIMARY	LNK10485
01161	0020	00	0	01176	10001	FXIN	NSTX	STATE-TEST EXCIT-INMIB	LNK10486
01162	0500	00	0	03050	10001	CLA	SI	STATE EXCITE	LNK10487
01163	0601	00	0	03046	10001	STO	CNO	STATE-INMIB	LNK10488
01164	0500	00	0	03057	10001	CLA	SCTYP	STORE NO. OF COMPONENTS	LNK10489
01165	0-02	00	0	10242	10001	SUB	TWO		LNK10490
01166	0100	00	0	01245	10001	TZE	NCLTB	TRANSFER IF SCTYP=2	LNK10491
01167	0402	00	0	10241	10001	SUB	ONE		LNK10492
01170	4100	00	0	01262	10001	TNZ	EXNEX	TRANSFER IF SCTYP=0 OR 1	LNK10493
01171	0774	01	1	01047	10000	AXT	551,1	SCTYP=3	LNK10494
01172	0500	00	1	04225	10001	CLA	TABLE+551,1	LOAD INHIBITION	LNK10495
01173	0601	00	1	03044	10001	STO	TABLE+551,1	INTO TEST TABLE	LNK10496
01174	2	00001	1	41002	10011	TIX	0-2,1,1		LNK10497
01175	0020	00	0	01262	10001	TRA	EXNEX		LNK10498

BINARY CARD ID. NETGEN37

01176	0500	00	0	03047	10001	NSTX	CLA	STATE-EXCITATORY	LNK10502
01177	0601	00	0	03046	10001	STO	CNO	STORE NO. OF COMPONENTS	LNK10503
01200	0500	00	0	03067	10001	CLA	LEVH	LEVELS OF INITIAL + TERMINAL	LNK10504
01201	0601	00	0	03070	10001	STO	PRLEV	COMPS. ARE THE SAME	LNK10505
01202	0074	00	4	01265	10001	TSX	NETMOD,4	NEW COMPONENT ROUTINE	LNK10506
01203	0774	00	1	00010	10000	AXT	R,1		LNK10507
01204	0500	00	1	01725	10001	CLA	IM+8,1		LNK10508
01205	0601	00	1	01745	10001	STO	SLM+8,1	SAVE PRIM COMP INFO	LNK10509
01206	0500	00	1	01735	10001	CLA	SM+8,1		LNK10510
01207	0601	00	1	01725	10001	STO	IM+8,1	GET STATE COMP INFO	LNK10511
01210	2	00001	1	41004	10011	TIX	0-4,1,1		LNK10512
01211	0500	00	0	03061	10001	CLA	SLFCOM		LNK10513
01212	0601	00	0	03062	10001	STO	SLFTST	INITIALIZE SELF CONNECTION TESTER	LNK10514
01213	0020	00	0	01245	10001	TRA	NCLTB		LNK10515
01214	4520	00	0	01745	10001	NXPRIM	NZT	PRIMARY - TEST FOR EXCIT-INMIB	LNK10516
01215	0020	00	0	01237	10001	TRA	NPX	EXCITATORY	LNK10517
01216	0500	00	0	03052	10001	CLA	PI	PRIM - INMIB	LNK10518
01217	0601	00	0	03046	10001	STO	CNO	STORE NO. OF COMPONENTS	LNK10519
01220	0500	00	0	03060	10001	CLA	PCTYP		LNK10520

BINARY CARD ID. NETGEN38

01221	0402	00	0	10242	10001	SUB	TWO		LNK10521
01222	0100	00	0	01245	10001	TZE	NCLTB	TRANSFER IF PCTYP=2	LNK10522
01223	0402	00	0	10241	10001	SUB	ONE		LNK10523
01224	4100	00	0	01262	10001	TNZ	EXNEX	TRANSFER IF PCTYP=0 OR 1	LNK10524
01225	0774	00	1	01047	10000	AXT	551,1	PCTYP=3	LNK10525
01226	0500	00	1	04225	10001	CLA	TABLE+551,1	LOAD INHIBITORY TABLE	LNK10526
01227	0601	00	1	03044	10001	STO	TABLE+551,1	INTO TEST TABLE	LNK10527
01230	2	00001	1	41002	10011	TIX	0-2,1,1		LNK10528
01231	0020	00	0	01267	10001	TRA	EXNEX		LNK10529
01232	0500	00	0	03051	10001	NPX	CLA	PRIM-EXCITE	LNK10530
01233	0601	00	0	03046	10001	STO	CNO	STORE NO OF COMPONENTS	LNK10531
01234	0500	00	0	03070	10001	CLA	PRLEV		LNK10532

01/28/66

PAGE 84

ASSEMBLED TEXT.

01235	0402	00	0	10241	10001	SUB	ONE	PRLEV =	LNK10533
01236	0601	00	0	03070	10001	STO	PRLEV	LAST LEVEL NO.	LNK10534
01237	0774	00	1	00010	10000	AXT	R,1		LNK10535
01240	0500	00	1	01725	10001	CLA	IM+8,1		LNK10536
01241	0601	00	1	01735	10001	STO	SM+8,1	SAVE STATE COMP INFO	LNK10537
01242	0500	00	1	01745	10001	CLA	SLM+8,1		LNK10538
01243	0601	00	1	01725	10001	STO	IM+8,1	GET PRIM COMP INFO	LNK10539

BINARY CARD ID. NETGEN45						
01727	20000000001	00001	SY	BSS	1	LNK10619
01730	20000000001	00001	SZ	BSS	1	LNK10620
01731	20000000001	00001	SN	BSS	1	LNK10621
01732	20000000001	00001	SA	BSS	1	LNK10622
01733	20000000001	00001	SB	BSS	1	LNK10623
01734	20000000001	00001	SC	BSS	1	LNK10624
01735	20000000001	00001	SLM	BSS	1	LNK10625
01736	20000000001	00001	SLX	BSS	1	LNK10626
01737	20000000001	00001	SLY	BSS	1	LNK10627
01740	20000000001	00001	SLZ	BSS	1	LNK10628
01741	20000000001	00001	SLN	BSS	1	LNK10629
01742	20000000001	00001	SLA	BSS	1	LNK10630
01743	20000000001	00001	SLB	BSS	1	LNK10631
01744	20000000001	00001	SLC	BSS	1	LNK10632
01745	0 00000 0 00000	10000	EXIN	PZE	0	LNK10633
01746	0 00000 0 00000	10000	PRST	PZE	0	LNK10634
01747	20000000003	00001	DAA	BSS	3	LNK10635

EXCIT.-INMIB. INDICATOR
PRIMARY - STATE INDICATOR

01/28/66

PAGE 87

ASSEMBLED TEXT.

01752	20000000003	00001	FX	BSS	3	FLOATING DIMENSIONALITY TRIPLES	LNK10636
01755	20000000003	00001	FLX	BSS	3		LNK10637

BINARY CARD ID. NETGEN46							
01760	20000000003	00001	FA	BSS	3	FLOATING COMP. TRIPLE	LNK10638
01763	20000000012	00001	TEMP	BSS	10		LNK10639
01775	200000001047	00001	TABLE	BSS	551	CONNECTION ENIBITING TABLE	LNK10640
03044	20000000001	00001	COLCTR	BSS	1	COLUMN COUNTER	LNK10641
03045	20000000001	00001	CCTR	BSS	1	COMPONENT COUNTER	LNK10642
03046	20000000001	00001	CNO	BSS	1	NO. OF COMPS IN PRESENT MODE	LNK10643
03047	20000000001	00001	SX	BSS	1	FOUR MODES	LNK10644
03050	20000000001	00001	SI	BSS	1		LNK10645
03051	20000000001	00001	PX	BSS	1		LNK10646
03052	20000000001	00001	PI	BSS	1		LNK10647
03053	20000000001	00001	GSX	BSS	1	PERCENTAGES FOR NORMALIZATION	LNK10648
03054	20000000001	00001	GSI	BSS	1		LNK10649
03055	20000000001	00001	GPX	BSS	1		LNK10650
03056	20000000001	00001	GPI	BSS	1		LNK10651
03057	20000000001	00001	SCTYP	BSS	1	CONNECTION TYPES	LNK10652
03060	20000000001	00001	PCTYP	BSS	1		LNK10653
03061	20000000001	00001	SLFCOM	BSS	1		LNK10654
03062	20000000001	00001	SLFST	BSS	1		LNK10655
03063	20000000001	00001	RNPUT	BSS	1		LNK10656

BINARY CARD ID. NETGEN47							
03064	20000000001	00001	PCH	BSS	1	P-CHOICE	LNK10657
03065	20000000001	00001	DCH	BSS	1	O-CHOICE	LNK10658
03066	20000000001	00001	DCSN	BSS	1	DECISION	LNK10659
03067	0 00000 0 00000	10000	LEVN	PZE	0	LEVEL NO.	LNK10660
03070	0 00000 0 00000	10000	PRLEV	PZE	0	LAST LEVEL NO	LNK10661
03071	20000000001	00001	LPCTR	BSS	1	FAILURE COUNTER	LNK10662
03072	20000000020	00001	DAPEA	BSS	16		LNK10663
03112	20000000001	00001	P	BSS	1	PROBABILITY	LNK10664
03113	20000000001	00001	YTEST	BSS	1		LNK10665
03114	20000000034	00001	OUTA	BSS	28		LNK10666
03150	20000000004	00001	CNVRT	BSS	4	NO OF DIGITS, LEV OF INIT COMP	LNK10667
03154	20000000001	00001	ILDIG	BSS	1	SAME FOR TERMINAL COMPS	LNK10668
03155	20000000001	00001	OLDIG	BSS	1	TABLE TO STOP INMIB. CONNECTIONS	LNK10669
03156	200000001047	00001	TABLE	BSS	551		LNK10670
04225	20000000001	00001	CTR1	BSS	1		LNK10671
04226	20000000001	00001	RNO	BSS	1	INITIALIZATION OF RDM	LNK10672
04227	20000000001	00001	ICDIG	BSS	1	NO OF DIGITS, INIT COMP	LNK10673
04230	20000000001	00001	CTRINT	BSS	1		LNK10674
04231	20000000001	00001	DCDIG	BSS	1	TERM.COMP.	LNK10675

BINARY CARD ID. NETGEN48							
04232	20000000001	00001	BISW	BSS	1		LNK10676
04233	20000000001	00001	DT	BSS	1		LNK10677
04234	20000000001	00001	MSTFP	BSS	1		LNK10678
04235	20000000001	00001	COMG	BSS	1		LNK10679
04236	20000000001	00001	GSAT	BSS	1		LNK10680
04237	20000000001	00001	D	BSS	1		LNK10681
04240	20000000001	00001	LEVNO	BSS	1		LNK10682
04241	20000000020	00001	MA	BSS	16		LNK10683
04241	20000000001	00001	CPLS	BSS	1		LNK10684
04242	20000000001	00001	CMIS	BSS	1		LNK10685

01/28/66

PAGE 88

ASSEMBLED TEXT.

04243	20000000001	00001	CPL1	BSS	1		LNK10686
04244	20000000001	00001	CMIN1	BSS	1		LNK10687
04245	20000000012	00001	COMG 4	BSS	10		LNK10688
04277	20000000001	00001	NUMCOM	BSS	1		LNK10689
04300	20000000012	00001	LEVELN	BSS	10		LNK10690
04312	20000000001	00001	STPL	BSS	1		LNK10691
04313	20000000001	00001	PXPLM	BSS	1		LNK10692
04314	2000000037.0	00001	RDMCP	BSS	2000	AREA FOR STORING OUTPUT	LNK10693
10234	0 00000 0 00000	10000	NEWCOM	PZE	0		LNK10694

BINARY CARD ID. NETGEN49

10235	0 0000 0 0000	10000	KEYS PZE	0	
10236	200000000001	00001	EPSLN BSS	1	LNK10695
10237	200000000001	00001	DIGITJ BSS	1	LNK10696
10240	000000000000	10000	ZFRU DEC	0	LNK10697
10241	000000000001	10000	ONE DEC	1	LNK10698
10242	000000000002	10000	TWO DEC	2	LNK10699
10243	000000000003	10000	THREE DEC	3	LNK10700
10244	000000000006	10000	SIX DEC	6	LNK10701
10245	000000000007	10000	SEVEN DEC	7	LNK10702
10246	000000000010	10000	ATE DEC	8	LNK10703
10247	000000000020	10000	EIGHT DEC	16	LNK10704
10250	000000000012	10000	TEN DEC	10	LNK10705
10251	000000000016	10000	C14 DEC	14	LNK10706
10252	000000000017	10000	C15 DEC	15	LNK10707
10253	000000000067	10000	C55 DEC	55	LNK10708
10254	000000000144	10000	C100 DEC	100	LNK10709
10255	000000000001	10000	IPASS DEC	1	LNK10710
10256	000000103240	10000	MAXLP DEC	100000	LNK10711
					LNK10712
10257	000000000000	10000	*LDIR		LNK10713

MAXIMUM CONSECUTIVE FAILURES

BINARY CARD ID. NETGEN50

10260	452563272545	10000			
10261	000000000014	10000	*LORG		
10262	000000000003	10000			
	00000 01111		END		LNK10714

CONTROL DICTIONARY

01/28/66

PAGE 89

SDICT NETGEN

NETGEN51

BINARY CARD ID. NETGEN52

010263000000	PREFACE	START=C,LENGTH=4275,TYPE=7094,CNPLX=5
000004000005		
452563272545	NETGEN DECK	LOC=0,LENGTH=4275
010263000000		
452563272545	NETGEN REAL	LOC=0,LENGTH=0
000000000000		
452563272545	NETGEN REAL	LOC=0,LENGTH=0
000000000000		
256731636060	EXIT VIRTUAL	SECT. 4,CALL
200000100000		
332647514533	*FPRN. VIRTUAL	SECT. 5,CALL
200000100000		
516226013160	RSF. VIRTUAL	SECT. 6,CALL
200000100000		
476463512523	PUTREC VIRTUAL	SECT. 7,CALL
200000100000		
332626314333	*FFIL. VIRTUAL	SECT. 8,CALL
200000100000		
332651666333	*FRWT. VIRTUAL	SECT. 9,CALL
200000100000		
332666512433	*FWRD. VIRTUAL	SECT. 10,CALL
200000100000		

BINARY CARD ID. NETGEN53

234645252363	CONNECT VIRTUAL	SECT. 11,CALL
200000100000		
272545677060	GENXY VIRTUAL	SECT. 12,CALL
200000100000		
627062434623	SYSLOC VIRTUAL	SECT. 13
200000000000		
336445000633	*UN06. VIRTUAL	SECT. 14
200000000000		
332623456533	*FCNV. VIRTUAL	SECT. 15
200000000000		
336445001033	*UN08. VIRTUAL	SECT. 16
200000000000		

SDKEND NETGEN

NETGEN54

NO MESSAGES FOR THIS ASSEMBLY

SYMBOL REFERENCE DATA

01/28/66

PAGE 90

REFERENCES TO DEFINED SYMBOLS.

CLASS	SYMBOL	VALUE	REFERENCES
	AFTER	00530	
	APRAM	01072	1055,1063,1067
	A	01712	640,1333,1334,1340
	ACTP&2	01304	1271-1274
	ATE	10246	
	BISM	04232	
	B	01713	641,1323,1324,1332,1341
	C100	10254	
	C14	10251	
	C15	10252	
	C55	10253	
	CCTR	0045	653,670,1262
	CHTSTC	00733	727
	CMIND	04264	645
	CMIS	04262	643
	COMPEND	00232	226

CNO	03046	614,671,1163,1177,1217,1233
CNVAT	03150	
COLCTR	03044	
COMG	04235	31
COMMON	04265	246,267,651,1301
COMLP	00553	211,634,674
CPLI	04263	644
CPLS	04261	642,1357
C	01714	1312,1314,1322,1342
CTR1	04225	200,202
CTRINT	04230	
CVALUE	01353	1360
DAA	01747	
DCM	03065	37,735
DCSM	03066	624,1111,1114
DECIDE	01074	673
DIGIT1	10237	
DIMEM	00172	176
DIS1	00771	743,772
DISERR	00517	12
DISF	00771	1011
DISTAT	01002	773
DOP3	01055	1046
D	04237	1017,1021
DSTNCE	00734	621
DT	04233	25
EIGHT	10247	
ENDIS	00745	734,1020
ENTBLE	01117	666
EPSLW	10236	26
ERDCH	00507	740,741,744
ERPROB	00541	534
EXIN	01745	214,217,221,225,230,232,664,1042,1160,1214,1253
EXNER	01262	1170,1175,1224,1231,1252,1254,1256
FA	01760	1004

01/28/66

PAGE 91

SYMBOL REFERENCE DATA

FINISH	00316	
FLEV	00411	417
FLOAT	00726	717,722
FLTY	00717	412,415,775,1003,1354
FLX	01755	416,777
FLI	00321	312
FRT	00317	277
FONE	01073	1022,1025,1037,1050,1060,1105
FX	01752	413,776
GETOUT	00675	637,633
GPI	03056	375
GPX	03055	373
GSAT	04236	30
GSI	03054	371
GSK	03053	367,1356
IA	01722	603,604,610,774,1002
IB	01723	573,574,602,611
ICD10	04227	
IC	01724	562,564,572,612
ILDIG	03154	
IP	01715	334,336,556,1201,1207,1240,1243
IN10	01572	51,372
IN11	01611	52,374
IN12	01630	53,376
IN13	01647	54,400
IN14	01666	55,402
IN1	01363	17,40,66,172,267,342,1705
IN2	01402	41,67,173,270,344
IN3	01421	42,70,174,271,346
IN4	01440	43,60,356
IN5	01457	44,61,360
IN6	01476	45,62,362
IN7	01515	46,63,364
IN8	01534	47,366
IN9	01553	50,370
INAREA	01363	
IN	01721	256,337,554,561,607,614,665,1127,1133,1151
IPASS	10255	251,263,660,1270
IX	01716	414,613
IY	01717	575
IZ	01720	565
..0001	00003	12,13,14
..0002	00005	4,7
..0003	00007	0
KEYS	10235	
LFVFLN	04300	247,652,1302
LEVNO	04240	24,102,177,272,662
LEVN	03067	240,257,327,331,340,656,1200
LEVTDI	04240	237
LPCTR	13071	626,630,667
LVLOP	00207	241
MA	04241	110,175,261,661
MAXLP	10256	631
MDLOP	00210	220,224,231,236
M	01705	107,112,121,234,333,354,105,1306
WSTEP	04234	27

SYMBOL REFERENCE DATA

MCLTB	01245	1166,1213,1222
NETGEN	00000	316
NETMAX	00170	76
NEWCOM	10234	663,1266
NEXCOM	01265	1202
NFKLEV	00326	207
NEXMOD	01155	210
NODICE	00706	700
NODG	00626	620
NO	01113	1107
NPX	01232	1215
N	01711	235,260,355,657,1126,1257,1304,1311,1337
NSYX	01176	1161
NTSIZE	00166	56,65,71,73,74
NTSEL	00060	75
NUKCOM	04277	245,650,1273,1300,1303
NXPBM	01214	1157
QAREA	03072	
QCDIG	04231	
QKCON	00635	625
OK	00171	113
QLDIG	03159	
ONE	10241	201,216,222,227,330,555,563,571,601,606,627,720,742,755,757,761,763,765,1032,1113,1137,1142,1146,1152,1167,1223,1235,1260,1305,1313,1321,1331,1336
OUTA	03114	
OVSIZE	00145	100
PCH	03064	36,750,1031,1044
PCTYP	03060	401,1121,1220
PERR	00531	753,754
PEXIN	01042	1027
PI	03052	365,1216,1350
PRBLTY	00747	622
PRIMEX	00221	215
PRLEV	03070	255,655,1201,1234,1236
PRIMARY	00225	213
PROB1	01021	756,1022,1022,1022
PROB2	01021	760
PROB3	01021	762
PROB4	01021	764
PROB5	01067	766
PROBF	01022	
PRST	01746	217,223,233,654,772,1117,1156,1251
P	03112	1026,1041,1051,1052,1053,1056,1061,1045,1070,1101,1106
PXPLPI	04313	647,1351
PX	03051	363,1232,1347
RDM1	00504	472,474,476,477
RDM2	00505	475
RDM3	00506	501
RDM	00471	177,1075
RDNIT	00177	206
RDUMP	04314	
RNF	04226	35,203
RNPUT	03063	
LCTR	BLCCTR	
QUAL	UNQS	
LCTR	//	

SYMBOL REFERENCE DATA

SA	01732	
SAX	01726	
SB	01733	
SC	01734	
SCTYP	03057	377,1124,1164
SELF	01145	1130
SEVEN	10245	
SI	03050	361,1162,1345
SIX	10244	
SIZE	00160	151
SLA	01742	
SLB	01743	
SLC	01744	
SLFCON	03061	403,1211,1255
SLFTST	03062	1145,1147,1212
SLM	01735	1205,1242
SLN	01741	
SLX	01736	
SLY	01737	
SLZ	01740	
SM	01725	406,1206,1241
SN	01731	
SQRT	00422	424,426,437,441,1015
SO	00467	425,430,437,440,442,443,444,445,446,447,452,453,454,455,456,457
STOPIT	01133	
SXPLBI	04312	646,1346
SX	03047	357,1176,1344,1353
SY	01727	
SZ	01730	
TABLE	01775	617,1143,1111,1173,1227,1246,1261
TBLE1	03156	1140,1172,1226,1247
TFMP	01763	1000,1005,1007,1010,1012,1013,1014,1030,1034,1035,1036,1040,1057,1064,1076,1100
TEN	10250	
THREE	10243	1045,1135
TPI	00101	15
TIP	00016	
TTFST	01113	1122,1125,1131,1134
TWO	10242	1165,1221,1267


```

20 IF(A1140,40,50) LNK10750
40 XX=2*B1 LNK10760
GO TO 5 LNK10761
90 XX=2*B1+ISUPA1A1,MA1 LNK10762
5 IF(A2160,60,70) LNK10763
60 YY=2*B2 LNK10764
GO TO 6 LNK10765
70 YY=2*B2+ISUPA1A2,MA1 LNK10766
....DETERMINE TYPE OF CONNECTION. LNK10767
6 IF(COMMUN,GT,0) GO TO 1 LNK10768
....CONNECTION INHIBITORY LNK10769
XX=XX+262144 LNK10770
INAJ1=XX+YY LNK10771
IF(J,LT,255) GO TO 2 LNK10772
WRITE(9)INA LNK10773
J=1 LNK10774
GO TO 4 LNK10775
2 J=J+1 LNK10776
GO TO 4 LNK10777
C LNK10778
C LNK10779
C LNK10780
C LNK10781

```

01/28/66 PAGE 99

```

GEBAY2 - EFN SOURCE STATEMENT - IFN(5) -
....CONNECTION EXCITATORY
1 XX=XX+262144 LNK10782
EX=11-XX+YY LNK10783
IF(J,LT,255) GO TO 3 LNK10784
WRITE(7)EXA LNK10785
I=1 LNK10786
GO TO 4 LNK10787
3 I=I+1 LNK10788
4 RETURN LNK10789
END LNK10790
LNK10791
LNK10792

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01/28/66 PAGE 100

```

SUBROUTINE PUTREC(NUMCOM,COMMUN,LEVELN) LNK10794
INTEGER COMMUN LNK10795
DIMENSION COMMUN(10),LEVELN(10) LNK10796
....WRITE CONNECTION RECORD(ITEMS PER RECORD MAX.) LNK10797
....COMPONENT NO., LEVEL NO., AND NUMBER OF CONNECTION IN RECORD. LNK10798
WRITE(6,7060)(COMMUN(I),LEVELN(I),I=1,NUMCOM) LNK10799
7060 FORMAT(10I14,1H,,12I1) LNK10800
LNK10801
LNK10802
LNK10803
LNK10804
LNK10805
LNK10806
LNK10807
LNK10808

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01/28/66 PAGE 101

```

SUBROUTINE CONECC(A,B,CPLS,CMIS,CPLI,CHINI,SKPLSI,PKPLPI, LNK10809
INUMCOM,COMMUN,LEVELN,CCTR,PRST,PRLEV,LEVNO,N,IPASS,NA,LEVNO, LNK10810
ZNEWCOM,EXIN,IM) LNK10811
DIMENSION COMMUN(10),LEVELN(10),MA(16),INI(15),IN2(15),IN3(15) LNK10812
INTEGER A,B,SKPLSI,PKPLPI,COMMUN,CCTR,PRST,PRLEV,Z,EXIN LNK10813
IF(ZNEWCOM,GT,0) GO TO 10 LNK10814
NEWCOM=1 LNK10815
....NEW TERMINAL COMPONENT. LNK10816
WRITE(8,7050)N,LEVNO,CPLS,CMIS,CPLI,CHINI,SKPLSI,PKPLPI LNK10817
7050 FORMAT(1H,,13I10,,12I10,,4F8.4,2I3) LNK10818
NUMCOM=0 LNK10819
10 IF(NUMCOM,LT,10) GO TO 1 LNK10820
....WRITE OUT THE CONNECTION RECORD. LNK10821
CALL PUTREC(NUMCOM,COMMUN,LEVELN) LNK10822
NUMCOM=0 LNK10823
1 NUMCOM=NUMCOM+1 LNK10824
CCTR=CCTR+1 LNK10825
....DETERMINE APPROPRIATE SIGN FOR EXCITATORY OR INHIBITORY LNK10826
CONNECTION AND ATTACH SIGN TO INITIAL COMPONENT NAME. LNK10827
COMMUN(NUMCOM)=IM LNK10828
IF(EXIN,GT,0)COMMUN(NUMCOM)=-IM LNK10829
....DETERMINE IF STATE OR PRIMARY CONNECTION AND ASSIGN THE LNK10830
APPROPRIATE LEVEL NO. TO THE INITIAL COMPONENT NAME. LNK10831
LEVELNUMCOM=LEVNO LNK10832
IF(PRST,GT,0)LEVELNUMCOM=PRLEV LNK10833
....COMPLETE CONNECTION POINT VALUES FOR POP GRAPH. LNK10834
CPLS,CMIS,LEVELNUMCOM,IN,LEVNO,N,MA,COMMUN(NUMCOM),IPASS,B,Y,Z, LNK10835
INI,IN2,IN3,LEVNO) LNK10836
LNK10837
LNK10838
LNK10839
LNK10840
LNK10841
RETURN
END

```

01/28/66 PAGE 102

010PTC RSF111 096/2.287

RSF111 - EFN SOURCE STATEMENT - (FN15) -

01/28/66

```

SUMROUTINE RSF111(LEVNO,DT,EP,SLN,MSTEP,CSAT,COMG,X,Y,Z,RNO,PCF,
LNR10843
IDCH,INI,IN2,IN3,IN4,IN5,IN6,IN7,IN8,IN9,IN10,IN11,IN12,IN13,IN14) LNR10844
DIMENSION TEP(15,13),INI(15),IN2(15),IN3(15),IN4(15),IN5(15), LNR10845
IN6(15),IN7(15),IN8(15),IN9(15),IN10(15),IN11(15),IN12(15), LNR10846
IN13(15),IN14(15)) LNR10847
....READ AND RECORD NETWORK GENERATOR INFORMATION. LNR10848
C LNR10849
C LNR10850
C LNR10851
READ(5,7010) LEVNO,DT,EP,SLN,MSTEP,CSAT,COMG LNR10852
7010 FORMAT(I2,F9.9,F9.9,F9.6,F9.7,F9.7) LNR10853
C LNR10854
C LNR10855
C LNR10856
C LNR10857
READ(5,7020) X,Y,Z,RNO,PCF,DCH LNR10858
7020 FORMAT(I3,I3,I3,2I1) LNR10859
C
WRITE(6,7012) X,Y,Z,RNO,PCF,DCH
7012 FORMAT(1H, //12H SECOND CARD/3HOR=,13,4X,2HY=,13,4X,2HZ=,13,4X,
L4HRC=,13,4X,4MPC=,11,4X,4MOC=,11)
C LNR10860
C LNR10861
WRITE(6,7014) LNR10862
7014 FORMAT(14M0LEVEL CARDS-6//6H LEVEL,5X,1M6,7X,1M7,7X,1M8,7X,2M5X,
L6X,2M5L6X,2M6P,6X,2M7P,5X,3M6SX,5X,3M6SL,5X,3M6PX,5X,3M6PI,4X,
2M5CTYP,3X,3M6CTYP,3X,6M5LFC04) LNR10863
DO 1 I=1,LEVNO LNR10864
READ(5,7030) ITEMP(I,J),J=1,13) LNR10865
7030 FORMAT(I3A6) LNR10866
C LNR10867
C LNR10868
C LNR10869
READ(5,7040) (INI(I),IN2(I),IN3(I),IN4(I),IN5(I),IN6(I),IN7(I),
LNR10870
INI(I),IN9(I),IN10(I),IN11(I),IN12(I),IN13(I),IN14(I)) LNR10871
7040 FORMAT(I3,4F4.3,2I1,13) LNR10872
WRITE(6,7013) I,INI(I),IN2(I),IN3(I),IN4(I),IN5(I),IN6(I),IN7(I),
LNR10873
INI(I),IN9(I),IN10(I),IN11(I),IN12(I),IN13(I),IN14(I)) LNR10874
7013 FORMAT(1M0,2X,I2,2X,1M0,7(2X,I),2X,1M0,4(F6.3,1M0),2(3X,11,3X,
LNR10875
11M0),2X,I3) LNR10876
C LNR10877
C LNR10878
C LNR10879
WRITE(5) LEVNO,DT,EP,SLN,MSTEP,CSAT,COMG,X,Y,Z,RNO,PCF,DCH LNR10880
WRITE(6,7010) LEVNO,DT,EP,SLN,MSTEP,CSAT,COMG LNR10881
WRITE(6,7012) X,Y,Z,RNO,PCF,DCH LNR10882
7011 FORMAT(23M0NETWORK SPECIFICATIONS//15H NO. OF LEVELS=,12F
L4H DT=,F14.9,7H EP,SLN=,F14.9,7H MSTEP=,F9.6//6H CSAT=,F9.7/
LNR10883
L4H COMG=,F9.7) LNR10884
DO 2 I=1,LEVNO LNR10885
2 WRITE(5,7030)(ITEMP(I,J),J=1,13) LNR10886
RETURN LNR10887
END LNR10888

```

01/28/66

ISUMA1			STORAGE MAP					
SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
P.0000	00001	1						
ISUMA	SECTION	2						
SYLOC	SECTION	3						
EFN	IFN	LOCATION	EFN	IFN	LOCATION	EFN	IFN	LOCATION
30	6A	00015						
THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 00053.								

01/28/66

GENXY1			STORAGE MAP					
SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
EXA	00001	1						
EXA	SECTION	2						
XX	00777	1						
J	01002	1						
GENXY	SECTION	2						
.FWR6.	SECTION	3	.FBLD.	SECTION	4	.FRWT.	SECTION	5
.FRDB.	SECTION	6	.FBL3.	SECTION	7	ISUMA	SECTION	8
.UN03.	SECTION	9	.FBLR.	SECTION	10	.FBLT.	SECTION	11
.FRDT.	SECTION	12	.UN09.	SECTION	13	.FRLR.	SECTION	14
SYSL0C	SECTION	15						
EFN	IFN	LOCATION	EFN	IFN	LOCATION	EFN	IFN	LOCATION
10	17A	01120	20	21A	01132	30	3A	01023
80	11A	01064	90	16A	01113	40	23A	01135
90	25A	01141	5	27A	01144	60	29A	01157
70	31A	01163	A	33A	01176	1	45A	01240
2	43A	01234	4	44A	01274	3	53A	01271

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 01541.

PUTRE STORAGE MAP 01/28/66 PAGE 108

SUBROUTINE PUTREC
ENTRY POINTS

PUTREC SECTION 2

SUBROUTINES CALLED

.FWRD.	SECTION 3	.UNOB.	SECTION 4	.FFIL.	SECTION 5
.FCNV.	SECTION 6	SYSLOC	SECTION 7		

EFN IFN CORRESPONDENCE

EFN	IFN	LOCATION	EFN	IFN	LOCATION
7060	FORMAT	00007			

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 00063.

CONEC STORAGE MAP 01/28/66 PAGE 109

SUBROUTINE CONECT
DIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
IN1	0001	I	IN2	0002	I	IN3	0003	I

UNDIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
Z	0006	I	X	0007	R	Y	0008	R

ENTRY POINTS

CONECT SECTION 2

SUBROUTINES CALLED

.FWRD.	SECTION 3	PUTREC	SECTION 4	GENY	SECTION 5
.UNOB.	SECTION 6	.FFIL.	SECTION 7	.FCNV.	SECTION 8
SYSLOC	SECTION 9				

EFN IFN CORRESPONDENCE

EFN	IFN	LOCATION	EFN	IFN	LOCATION	EFN	IFN	LOCATION
10	6A	00134	7020	FORMAT	00071	1	11A	00150

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 00344.

RSF11 STORAGE MAP 01/28/66 PAGE 110

SUBROUTINE RSF11
DIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
TEMP	0001	R						

UNDIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
I	00304	I						

ENTRY POINTS

RSF11 SECTION 2

SUBROUTINES CALLED

.FRDD.	SECTION 3	.FWRD.	SECTION 4	.FWRD.	SECTION 5
.UN05.	SECTION 6	.FRTN.	SECTION 7	.FCNV.	SECTION 8
.UN06.	SECTION 9	.FFIL.	SECTION 10	.UN03.	SECTION 11
.FPLR.	SECTION 12	.FBLT.	SECTION 13	.FRCT.	SECTION 14
.UN08.	SECTION 15	SYSLOC	SECTION 16		

EFN IFN CORRESPONDENCE

EFN	IFN	LOCATION	EFN	IFN	LOCATION	EFN	IFN	LOCATION
701	FORMAT	00313	7020	FORMAT	00320	7012	FORMAT	00322
701	FORMAT	00342	1	14A	00567	7030	FORMAT	00375
7040	FORMAT	00376	7013	FORMAT	00401	7011	FORMAT	00415
2	91A	01007						

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 01253.

01/28/66

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SUBROUTINE IPYCON(READOP,NUMIN,NAMES)
DIMENSION EL(510),DATA(510),IDATA(510)
EQUIVALENCE (DATA(1),IDATA(1),EL(1))
INTEGER READOP,TROOP
DATA EXP/6HEXPLOD/
REWIND 4
REWIND 11
NEL=NUMIN
IF(READOP.NE.1)GO TO 1
=BAD(1)TROOP,NUMIN,NAMES
IF(TROOP.NE.READOP.OR.NUMIN.NE.NUMIN.CR.NAMES.NE.NAMES)GO TO 11
WRITE(4)READOP,NUMIN,NAMES
DO 6 I=1,NAMES
READ(11)NAME,KEY,(IDATA(J),J=1,NUMIN)
DO 4 J=1,NUMIN
IF(IDATA(J).GT.256)GO TO 13
DATA(J)=IDATA(J)-1
IF(DATA(J).LT.0.)DATA(J)=0.
DATA(J)=DATA(J)/256.0
4 CALL BPOINT(IDATA(J),1)
WRITE(4)NAME,KEY,(DATA(K),K=1,NUMIN)
6 CONTINUE
GO TO 7
1 L=5
IF(READOP.EQ.3)L=10
READ(1,707)TROOP,NUMIN,NAMES,EXP
IF(TROOP.NE.READOP.OR.NUMIN.NE.NUMIN.CR.NAMES.NE.NAMES)GO TO 11
WRITE(4)READOP,NUMIN,NAMES
IF(EXP.NE.EX)GO TO 2
C
C ASSIGN INPUT VALUES ACCORDING TO EXPLOD CARDS
CALL EXPLOD(NUMIN,NAMES,EL,IDATA)
GO TO 7
2 DO 3 I=1,NAMES
READ(1,700)NAME,KEY,(EL(K),K=1,NEL)
3C DO 50 J=1,NEL
50 CALL BPOINT(EL(J),1)
60 WRITE(4) NAME,KEY,(EL(K),K=1,NEL)
3 CONTINUE
7 END FILE 4
REWIND 4
REWIND 11
PRINT 9000
RETURN
11 WRITE(4,8000)
STOP
13 WRITE(4,8001)
STOP
80 FORMAT(6H NAME ,14,4X,3HEXY,13//5(F10.16,1X))
8000 FORMAT(19H CONTROL CARD ERROR/1M)
8001 FORMAT(18H INPUT VALUE EXCEEDS MAX. SIZE.)
707C FORMAT(12,13,14,A6)
700C FORMAT(A6,13,16F4.4/(20F4.4))
9000 FORMAT(//:7H INPUT CONVERTED ////)

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LNK20010
LNK20011
LNK20012

818FTC EXPLOD

```

SUBROUTINE EXPLOD(NUMIN,NAMES,EL,IDATA)
DIMENSION EL(1),I(1530),VALU(1530),IDATA(1)
EQUIVALENCE (I(1),VALU(1))
DO 1 I=1,NAMES
DO 2 J=1,NUMIN
2 IDATA(J)=0
READ(5,1000)NAME,KEY,100CT
1000 FORMAT(A6,2(1))
M=3+100CT-2
READ(5,1001)((I(K),I(K+1),VALU(K+2),K=1,M,3)
1001 FORMAT(7(2)3,F4.4))
DO 3 K=1,M,3
L=I(K)
M=I(K+1)
DO 3 J=L,M
EL(J)=VALU(K+2)
3 CALL BPOINT(EL(J),1)
1 WRITE(4) NAME,KEY,(EL(K),K=1,NUMIN)
RETURN
END

```

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01/28/66 PAGE 116

STORAGE MAP

IPTCON			SUBROUTINE IPTCON			DIMENSIONED PROGRAM VARIABLES		
SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
EL	0001	R	DATA	0001	R	IDATA	0001	I
UNDIMENSIONED PROGRAM VARIABLES								
SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
TRDOP	00777	I	MEI	01000	I	NUMIN	01001	I
NNAMES	01002	I	I	01003	I	NAME	01004	I
KEY	01005	I	J	01006	I	L	01007	I
EXP	01010	R	FX	01011	R			

SUBROUTINES CALLED

IPTCON	SECTION	2	SYMBOL	SECTION	TYPE	SYMBOL	SECTION	TYPE
.FRNT.	SECTION	3	.FRGB.	SECTION	4	.FWRB.	SECTION	5
BPOINT	SECTION	6	.FVIC.	SECTION	7	.FRDD.	SECTION	8
EXPLCD	SECTION	9	.FEFT.	SECTION	10	.FPRB.	SECTION	11
.FWRD.	SECTION	12	.ERIT.	SECTION	13	.UN04.	SECTION	14
.UM11.	SECTION	15	.FRLR.	SECTION	16	.FBLT.	SECTION	17
.FBOT.	SECTION	18	.FBLR.	SECTION	19	.FRTR.	SECTION	20
.FCNV.	SECTION	21	.FFIL.	SECTION	22	.UN06.	SECTION	23
E-1	SECTION	24	E-2	SECTION	25	E-3	SECTION	26
E-4	SECTION	27	CC-1	SECTION	28	CC-2	SECTION	29
CC-3	SECTION	30	CC-4	SECTION	31	SYSLOC	SECTION	32

EFN IFN CORRESPONDENCE

EFN	IFN	LOCATION	EFN	IFN	LOCATION	EFN	IFN	LOCATION
1	49A	01262	11	94A	01475	6	45A	01257
4	34A	01227	13	95A	01507	7	90A	01455
7070	FORMAT	01047	2	64A	01355	3	87A	01451
7080	FORMAT	01052	30	74A	01420	50	77A	01421
60	B2A	01433	9000	FORMAT	01056	8000	FORMAT	01036
8001	FORMAT	01041	80	FORMAT	01025			

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 01572.

01/28/66 PAGE 117

STORAGE MAP

EXPLOR			SUBROUTINE EXPLOR			DIMENSIONED PROGRAM VARIABLES		
SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
II	0001	I	VALU	0001	R	KEY	02775	I
UNDIMENSIONED PROGRAM VARIABLES								
SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
I	02773	I	NAP	02774	I	K	03000	I
IDOCT	02776	I	M	02777	I			
L	03001	I	N	03002	I			

SUBROUTINES CALLED

EXPLOR	SECTION	2	SYMBOL	SECTION	TYPE	SYMBOL	SECTION	TYPE
.FRDD.	SECTION	3	BPOINT	SECTION	4	.FWRB.	SECTION	5
.UN05.	SECTION	6	.FRTR.	SECTION	7	.FCNV.	SECTION	8
.UN04.	SECTION	9	.FBLR.	SECTION	10	.FBLT.	SECTION	11
.FBOT.	SECTION	12	SYSLOC	SECTION	13			

EFN IFN CORRESPONDENCE

EFN	IFN	LOCATION	EFN	IFN	LOCATION	EFN	IFN	LOCATION
1	36A	01143	2	7A	03036	1000	FORMAT	03014
1001	FORMAT	03016	3	27A	03127			

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 03226.

01/28/66 PAGE 118

BIBFC METAL K94/2,AR7

METAL - EFN SOURCE STATEMENT - IFN(S) -

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SUBROUTINE METAL(INET,STENP)
DIMENSION NS(15),PI(15),FPLS(15),FMINS(15),FPLI(15),FMINI(15),LNK30002
I(15),RIAS(15),ESUM(15),ASSIGN(100),OUT(500), A(500),R(500),LNK30003
Z),DATA(200),NS(15),NI(15),NPLS(15),NMINS(15),NPLI(15),NMINI(15), LNK30004
3M(AS(15),NSUM(15),NGWT(1000),GWT(1000)
DATA MNET/6HENDNET/
INTEGER X,Y,TABS2,A1,A1,A1,A1,ACCR,OUT,SVAL,CUTP1,CUTP2,CUTP3,DATA, LNK30006
ISTINP,ASSIGN
REAL MSTEP,MS,M1
EQUIVALENC (NDT,DT),(NPSLN,FPLSN),(NSTP,MSTEP),(NSAT,GSATT),(NOM)LNK30010
IMG,COMM0,(NS,MS),(NI,PI),(MPLS,FPLS),(NMINS,FMINS),(MPLI,FPLI),(INLNK30011
2MINI,FMINI),(NIAS,RIAS),(NSUM,ESUM),(NCPLS,CPLS),(NCPINS,CPINS),(INLNK30012
3CPLI,CPLI),(NCPINI,CPINI),(NGWT,GWT)
LNK30013

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SIDFTC META2 M94/2,XR7

META2 - EFN SOURCE STATEMENT - IFN(S) -

```

SUBROUTINE METAS2(DATA,ASSIGN,TABSZ,STIMP)          LNK30205
DIMENSION DATA(200),BLOCK(500),ASSIGN(1100)      LNK30206
INTEGER DATA,BLOCK,ASSIGN,TABSZ,STIMP,COMPNO    LNK30207
C
C .....METAS2 WRITES A COMPLETE NETWORK TAPE WHICH CONTAINS NETWORK LNK30208
C AND LEVEL INFORMATION IN 200 WORD BLOCKS. .... LNK30209
C ..... LNK30210
C .....WHEN ENTERING THIS PHASE,THE FIRST 156 WORDS OF DATA CONTAIN LNK30211
C LEVEL INFORMATION. I.E.,NAME(I),MS(I),....ESUP(I) ..... LNK30212
C LNK30213
C LNK30214
C LNK30215
C LNK30216
C LNK30217
C .....J IS THE NUMBER OF WORDS IN EACH BLOCK. AFTER THE LAST LNK30218
C BLOCK IS READ,J WILL CONTAIN THE SENTINAL 990. .... LNK30219
C LNK30220 2
C IF(J.AE.990)GO TO 1 LNK30221
C 555 DO 8 L=1,200 LNK30222
C LNK30223
C DATA ARRAY COMPLETED WITH NEGATIVE ZEROES. .... LNK30224
C LNK30225
C LNK30226
C LNK30227
C LNK30228
C LNK30229
C LNK30230
C LNK30231
C LNK30232
C LNK30233
C LNK30234
C LNK30235
C LNK30236
C LNK30237
C LNK30238
C LNK30239
C LNK30240
C LNK30241 14
C WRITE(9) DATA LNK30242 16
C READ(I)( DATA(KL),KL=1,200) LNK30243 23
C WRITE(9) DATA LNK30244 25
C REWIND 1 LNK30245 26
C ENDFILE 9 LNK30246 27
C REWIND 9 LNK30247 28
C PRINT 8000
C 9000 FORMAT(////18H NETWORK GENERATED////)
C RETURN LNK30248
C LNK30249
C LNK30250
C LNK30251
C LNK30252
C LNK30253
C LNK30254
C LNK30255
C LNK30256
C LNK30257
C LNK30258
C LNK30259
C LNK30260
C LNK30261
C LNK30262
C LNK30263
C LNK30264
C LNK30265 55
C LNK30266
C LNK30267
C LNK30268

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META2 - EFN SOURCE STATEMENT - IFN(S) -

```

GO TO 14
33 DO 12 L=1,M LNK30270
DATA(L)=BLOCK(N) LNK30271
12 N=N+1 LNK30272
I=M+1 LNK30273
NEXT=7
GO TO 14 LNK30274
9 N=N-1 LNK30275
DO 10 L=1,M LNK30276
N=N+1 LNK30277
C LNK30278
C .....COMPONENT INFORMATION IS TRANSFERED FROM BLOCK TO DATA. .... LNK30279
C LNK30280
C 10 DATA(L)=BLOCK(N) LNK30281
C NONEXT=I LNK30282
C LNK30283
C .....NONEXT IS THE LOCATION OF THE NEXT TERMINAL COMPONENT. .... LNK30284
C LNK30285
C LNK30286
C LNK30287
C LNK30288
C LNK30289
C LNK30290
C LNK30291
C LNK30292
C LNK30293
C LNK30294
C LNK30295

```

```

C .....TRY IS THE NUMBER OF CONNECTIONS MADE TO A TERMINAL COMPONENT LNK30296
C .....DO 20 PREPARES THE CONNECTION WORK ITEMS CONSISTING OF EACH LNK30297
C .....ADDRESS AND THE CORRESPONDING G-HEIGHT. .... LNK30298
C ..... LNK30299
C ..... LNK30300
C ..... LNK30301
C ..... LNK30302
C ..... LNK30303
C ..... LNK30304
C ..... LNK30305
C ..... LNK30306
C ..... LNK30307
C ..... LNK30308
C ..... LNK30309
C ..... LNK30310
C ..... LNK30311
C ..... LNK30312
C ..... LNK30313
C ..... LNK30314
C ..... LNK30315
C ..... LNK30316
C ..... LNK30317
C ..... LNK30318
C ..... LNK30319
C ..... LNK30320
C ..... LNK30321
C ..... LNK30322
C ..... LNK30323

```

```

30 IF(BLOCK(K).EQ.ASSIGN(M))GO TO 6

```

META2 - EFN SOURCE STATEMENT - IFN(1) -

01/28/66

PAGE 126

```

C .....BLOCK(K) IS THE COMPONENT NAME. .... LNK30324
C ..... LNK30325
C ..... LNK30326
C ..... LNK30327
C ..... LNK30328
C ..... LNK30329
C ..... LNK30330
C ..... LNK30331
C ..... LNK30332
C ..... LNK30333
C ..... LNK30334
C ..... LNK30335
C ..... LNK30336
C ..... LNK30337
C ..... LNK30338
C ..... LNK30339
C ..... LNK30340
C ..... LNK30341
C ..... LNK30342
C ..... LNK30343
C ..... LNK30344
C ..... LNK30345

```

```

1111 FORMAT(10M COMPONENT,017,17)CANNOT BE FOUND. 1
STOP
6 DATA(I)=ASSIGN(M+1)
444 IF(BLOCK(K+1)) 8889,4,4
8889 DATA(I)=DATA(I)-32768+BLOCK(K+1)+262144
.....32768 PLACES A ONE IN BIT POSITION TWENTY. ....
GO TO 44
4 DATA(I)=DATA(I)+32768+BLOCK(K+1)+262144
44 I=I+1
IF(I.LE.20)GO TO 20
NEXT=7
WRITE(9)DATA
I=1
20 K=K+2
GO TO 7
END

```

112

134

META1

STORAGE MAP

01/28/66

PAGE 127

SUBROUTINE METAS1
DIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
NS	00006	R	MI	00025	R	FPLS	00044	R
FMINS	00063	R	FPLI	00102	R	FMINI	00121	R
BIAS	00140	R	ESUM	00157	R	ASSIGN	02152	I
OUT	04266	I	A	05252	I	B	04236	I
DATA	07222	I	NS	00006	I	NI	00025	I
NPLS	00044	I	FMINS	00063	I	NPLI	00102	I
FMINI	00121	I	MIAS	00140	I	NSUM	00157	I
NGMT	00202	I	GHT	00202	R			

UNDIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
X	07532	I	Y	07533	I	TABSZ	07534	I
A1	07535	I	B1	07536	I	ADDR	07537	I
SVAL	07540	I	OUTP1	07541	I	OUTP2	07542	I
OUTP3	07543	I	MSTEP	00003	R	NOT	00001	I
OT	00001	R	NPSLN	00002	I	EPSLN	00002	R
NSTEP	00003	I	NSAT	00004	I	GSATT	00004	R
NOMMG	00005	I	COMMG	00005	R	NCPLS	00176	I
CPLS	00176	R	NCMINS	00177	I	CMINS	00177	R
NCPLI	00200	I	CPLI	00200	R	NCPLI	00201	I
CMINI	00201	R	ITAP	07544	I	JTAP	07545	I
NTAP	07546	I	IVAL	07547	I	OPUT1	07550	R
OPUT2	07551	R	OPUT3	07552	I	J	07553	I
LEVND	07554	I	GSAT	07555	R	COPI	07556	R
I	07557	I	HUT	07560	I	NEXT	07561	I
CCPLS	07562	R	CCMIN	07563	R	CCPLI	07564	R
CCMIAS	07565	R	LINK	07566	I	MDNET	07567	I
KA	07570	I	NAME	07571	I	IXANCY	07572	I
XOPLB	07573	R	XOPLA	07574	R	XOPIA	07575	R
XOMIB	07576	R	X	07577	I	L	07600	I
LL	07601	I	MAX	07602	I			

ENTRY POINTS

META1 SECTION 2

SUBROUTINES CALLED

SYMBOL	SECTION	SYMBOL	SECTION	SYMBOL	SECTION
.FVIO.	SECTION 3	.FRDD.	SECTION 4	.MPCINT	SECTION 5
.FMRD.	SECTION 6	.FMRB.	SECTION 7	.FRWT.	SECTION 8
.METAS2	SECTION 9	.EXIT.	SECTION 10	.FRTN.	SECTION 11
.FCNV.	SECTION 12	.UNO6.	SECTION 13	.FFIL.	SECTION 14
.FMU.	SECTION 15	.FBLT.	SECTION 16	.FBOT.	SECTION 17
CC.1	SECTION 18	CC.2	SECTION 19	CC.3	SECTION 20
CC.4	SECTION 21	SYSLOC	SECTION 22		

META1

STORAGE MAP

01/28/66

PAGE 128

EFN			IFN			CORRESPONDENCE		
EFN	IFN	LOCATION	EFN	IFN	LOCATION	EFN	IFN	LOCATION
4321	11A	07764	4322	18A	07770	5	22A	07773
7010	FORMAT	07631	7015	FORMAT	07636	12	97A	10345
7030	FORMAT	07657	7016	FORMAT	07664	500	770A	11416
7090	FORMAT	07675	15	121A	10460	20	143A	10607
23	131A	10525	21	154A	10454	24	156A	10661
50	184A	11026	7060	FORMAT	07701	25	180A	11071
55	191A	11055	7070	FORMAT	07721	60	194A	11061
65	199A	11073	70	209A	11125	75	213A	11134
66	204A	11104	IC	226A	11173	76	218A	11145
85	228A	11200	90	241A	11234	95	243A	11241
86	233A	11211	100	253A	11273	12C	259A	11343
1150	FORMAT	07724	1200	273A	11433	1140	FORMAT	07740

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 11463.

META2

STORAGE MAP

01/28/66

PAGE 129

SUBROUTINE METAS2
DIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
BLOCK	0001	I						

UNDIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
COMPND	00765	I	I	00766	I	J	00767	I
NEXT	00770	I	K	00771	I	P	00772	I
MOMENT	00773	I	N	00774	I	IY	00775	I
IX	00776	I	IXY	00777	I	AN	01000	I
JBLOC	01001	I						

ENTRY POINTS

METAS2	SECTION	2
.PRDB.	SECTION	3
.FRMT.	SECTION	6
.FWRD.	SECTION	9
.PRLR.	SECTION	12
.UN09.	SECTION	15
.UN06.	SECTION	18

SUBROUTINES CALLED

	SECTION			SECTION	
.FWRB.	SECTION	4	.FBLO.	SECTION	5
.FEFT.	SECTION	7	.FPRN.	SECTION	8
.EXIT.	SECTION	10	.UN01.	SECTION	11
.FBLI.	SECTION	13	.FBOT.	SECTION	14
.FNLR.	SECTION	16	.FFIL.	SECTION	17
.FCNV.	SECTION	19	SYSLOC	SECTION	20

EFN IFN CORRESPONDENCE

EFN	IFN	LOCATION	EFN	IFN	LOCATION	EFN	IFN	LOCATION
2	2A	01040	1	29A	01140	555	7A	01053
8	11A	01054	8000	FORMAT	01022	7	37A	01160
9	75A	01270	11	52A	01210	33	63A	01244
14	86A	01316	12	69A	01255	10	80A	01302
20	136A	01530	3	104A	01376	444	117A	01441
30	107A	01404	6	114A	01431	1111	FORMAT	01027
8889	120A	01447	4	125A	01465	44	129A	01502

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 01607.

NETSIM
7094 RELMOD ASSEMBLY.

04/14/66

PAGE 1

81BLDR NETSIM 14 APR 66

NETSIM00

8FILE NETSIM 'FILE2 ',A(4),READY,INPUT,BLK=256,8IN

NETSIM01

NETSIM
FILE DICTIONARY.

04/14/66

8FDICT NETSIM

NETSIM02

BINARY CARD ID. NETSIM03
 204002000400 FILE2 FILE 'FILE2
 000000000000
 263143250260
 606060606060
 606060606060

BIN,INPUT,NOHCYN,FLK=256

TEXT NETSIM

NETSIM04

QADDD	ENTRY	NETSIM		
	MACRO	V1,T1		LNK40001
	TOV	++1		LNK40002
	STO	DGVALU	SAVE DC	LNK40003
	CAL	V1,T1	GET CWEIGHT	
	ANA	MASK1	SAVE SIGN AND CWEIGHT	
	XCL			
	XI			
	LRS	1		
	ADD	DGVALU		
	LDB	V1,T1		LNK40013
	TPL	++3		
	TOP	++3	DIFFERENT SIGNS--SET TO ZERO	
	TRA	++3	BOTH SIGNS NEG.--OK	
	TOP	++2	BOTH SIGNS POS.--OK	
	PXD	0,0		LNK40008
	ALS	1		
	SSP		ABSOLUTE MAGNITUDE	
	TOV	++2		
	CAS	GSAT		LNK40010
	CLA	GSAT		LNK40011
	NOP			LNK40012
	LLS	0		LNK40014
	ENDM	QADDD		LNK40015
QMPYF	MACRO	V1,T1		LNK40016
	TOV	++1		LNK40017
	MPY	V1,T1		LNK40018
	STL	DFLOC		LNK40019
	TOV	DFLOW		LNK40020
	ENDM	QMPYF		LNK40021
QMPYC	MACRO	V1,T1		LNK40022
	TOV	++1		LNK40023
	STL	DFLOC		LNK40024
	MPY	V1,T1		LNK40025
	TOV	DFLOW		LNK40026
	ENDM	QMPYC		LNK40027
QMPYB	MACRO	V1,T1		LNK40028
	TOV	++1		LNK40029
	STL	DFLOC		LNK40030
	MPY	V1,T1		LNK40031
	RND			LNK40032
	TOV	DFLOW		LNK40033
	ENDM	QMPYB		LNK40034
QFORM	MACRO	V1		LNK40035
	ANA	MASK1		LNK40036
	SUB	V1		LNK40037
	TNZ	ERR1		LNK40038
	ENDM	QFORM		LNK40039
QADDA	MACRO	V1,T1		LNK40040
	TOV	++1		LNK40041
	ARS	4		LNK40042
	STL	DFLOC		LNK40043
	ADD	V1,T1		LNK40044
	TOV	DFLOW		LNK40045

	ENDM	QADDA		
QMPYA	MACRO	V1,T1		LNK40046
	TOV	++1		LNK40047
	STL	DFLOC		LNK40048
	MPY	V1,T1		LNK40049
	LLS	2		LNK40050
	RND			LNK40051
	TOV	DFLOW		LNK40052
	ENDM	QMPYA		LNK40053
QADDB	MACRO	V1,T1		LNK40054
	TOV	++1		LNK40055
	STL	DFLOC		LNK40056
	ADD	V1,T1		LNK40057
	TOV	DFLOW		LNK40058
	ENDM	QADDB		LNK40059
QATWD	MACRO	V1,T1		LNK40060
	TOV	++1		LNK40061
	ARS	5		LNK40062
	STL	DFLOC		LNK40063
	ADD	V1,T1		LNK40064
	TOV	SETSW		LNK40065
	ENDM	QATWD		
QSDNE	MACRO	V1,T1		LNK40067
	TOV	++1		
	ARS	1		LNK40069
	STL	DFLOC		LNK40070
	SUB	V1,T1		LNK40071
	TOV	DFLOC		LNK40072
	ENDM	QSDNE		LNK40073
FILE2	FILE	,A(4),READY,INPUT,BLK=256,BIN		LNK40074
04020	OSIZE	EQU 200		
04237	Y	EQU M		LNK40076
00624	C	EQU NDCDS		
00624	M4N	EQU B4		
00623	M4M	EQU A4		
00625	PCENT	EQU C4		
00612	M1TRY	EQU A1		
00624	M4(N)	EQU B4		
00623	M4(M)	EQU A4		
00621	M3(N)	EQU A3		
00622	M3(M)	EQU B3		

BINARY CARD ID. NETSIM05
 00000 1 00000 0 00007 10001 N.TSM SAVE (1,2,4)1
 00001 0774 00 2 00000 10000
 00002 0774 00 1 00000 10000
 00003 0774 00 4 00000 10000
 00004 0441 00 0 00000 10001
 00005 0020 00 4 00001 10000
 00006 0 00000 0 00000 10000
 00007 0604 00 0 00000 10001
 00010 0634 00 4 13430 10011
 00011 0634 00 4 04303 10001
 00012 0634 00 4 00003 10001
 00013 0634 00 1 00002 10001
 00014 0634 00 2 00001 10001

LNK40077

NETSIM
 ASSEMBLED TEXT.

04/14/66

PAGE 5

00015 0760 00 0 00016 10000
 00016 0500 60 4 00003 10000
 00017 0601 00 0 04224 10001
 00020 0402 00 0 04271 10001
 00021 0601 00 0 03153 10001
 00022 0500 60 4 00004 10000

LWTH
 CLA+ 3,4
 STO NUMLEVS
 SIM =1
 STO LVCNTR
 CLA+ 4,4

NO. OF LEVELS -1

BINARY CARD ID. NETSIM06
 00023 0601 00 0 00600 10001
 00024 0500 60 4 00005 10000
 00025 0601 00 0 00601 10001
 00026 0500 60 4 00006 10000
 00027 0601 00 0 00602 10001
 00030 0500 60 4 00007 10000
 00031 0601 00 0 03661 10001
 00032 0500 60 4 00010 10000
 00033 0601 00 0 00575 10001
 00034 00000000000 00010
 00035 0074 00 4 1,400 10011
 00036 1 00022 0 00424 10011
 00036 0 04303 0 00160 10100
 00037 0 00000 0 04235 10001
 00040 0 00000 0 00612 10001
 00041 0 00000 0 00615 10001
 00042 0 00000 0 00616 10001
 00043 0 00000 0 00617 10001
 00044 0 00000 0 00620 10001

STO READOP
 CLA+ 5,4
 STO NUMIN
 CLA+ 6,4
 STO NAMES
 CLA+ 7,4
 STO KEYS
 CLA+ 8,4
 STO ISM
 LALL READCC(INDICT,A1,A2,B2,C2,D2,A3,B3,A4,B4,C4,FFSPC,
 ETC FFSMT,Y,CMPC,NGPR,C,COMBIN)

BINARY CARD ID. NETSIM07
 00045 0 00000 0 00621 10001
 00046 0 00000 0 00622 10001
 00047 0 00000 0 00623 10001
 00050 0 00000 0 00624 10001
 00051 0 00000 0 00625 10001
 00052 0 00000 0 04130 10001
 00053 0 00000 0 04233 10001
 00054 0 00000 0 04020 10001
 00055 0 00000 0 00614 10001
 00056 0 00000 0 00613 10001
 00057 0 00000 0 04237 10001
 00060 0 00000 0 03005 10001
 00061 00000000000 00010
 00061 0074 00 4 13000 10011
 00062 1 00003 0 09405 10011
 00063 0 04303 0 00162 10100
 00064 0 00000 0 00600 10001
 00065 0 00000 0 00601 10001
 00066 0 00000 0 00602 10001

CALL TPCK(READOP,NUMIN,NAMES)

BINARY CARD ID. NETSIM08
 00067 0074 00 4 14000 10011
 00070 0 00000 0 04001 10010
 00071 0074 00 4 14400 10011
 00072 0 00213 0 04001 10110
 00073 0 00462 0 00474 10101

TSX .OPEN,4
 PZE FILE2
 TSX .READ,4
 PZE FILE2,,EMB2
 PZE EDIT,,IREAD

LNK40080

SKIPS CONTROL RECORD

LNK40229

NETSIM
 ASSEMBLED TEXT.

04/14/66

PAGE 6

00074 3 00000 2 00000 10000
 00075 0441 00 0 04235 10001
 00076 0500 00 0 03005 10001
 00077 0100 00 0 00402 10011
 00100 00000000000 00010
 00100 0074 00 4 04400 10011
 00101 1 00002 0 00404 10011
 00102 0 04303 0 00174 10100
 00103 0 00000 0 03006 10001
 00104 0 00000 0 03005 10001
 00105 00000000000 00010
 00105 0074 00 4 05400 10011
 00106 1 00003 0 00405 10011
 00107 0 04303 0 00175 10100

LDRTN **,**
 LDI INDICT
 CLA COMBIN
 TZE *+2
 CALL COMB(KEYCOM,COMBIN)

LNK40082

CALL RNET(SKIP,NETTAP,NETMAX)

LNK40083

BINARY CARD ID. NETSIM09
 00110 0 00000 0 30047 10000
 00111 0 00000 0 04225 10001
 00112 0 00000 0 04234 10001
 00113 0000000 3000 00010
 00113 0074 00 4 02400 10011
 00114 1 30017 0 00421 10011
 00115 0 04303 0 00176 10100
 00116 0 00000 0 30054 10000
 00117 0 00000 0 30051 10000
 00120 0 00000 0 30052 10000
 00121 0 00000 0 30053 10000
 00122 0 00000 0 30055 10000
 00123 0 00000 0 30056 10000
 00124 0 00000 0 30057 10000
 00125 0 00000 0 30060 10000
 00126 0 00000 0 30061 10000
 00127 0 00000 0 30062 10000
 00130 0 00000 0 30064 10000
 00131 0 00000 0 30303 10000

CALL NETCHG(DT, EPSLN, NSTEP, CSAT, NS, MI, FPLS, FRMS, FPLI, FRINI,
 ETC ESUM, NEXT, RULEVS, ISN, SNERT)

BINARY CARD ID. NETSIM10
 00132 0 00000 0 04224 10001
 00133 0 00000 0 00575 10001
 00134 0 00000 0 30303 10000
 00135 0500 00 0 30047 10000
 00136 0771 00 0 00022 10000
 00137 0601 00 0 03721 10001
 00140 0534 00 2 30047 10000
 00141 0600 00 0 30047 10000
 00142 0634 00 2 30047 10000
 00143 0500 00 0 00401 10001
 00144 0340 00 0 00403 10001
 00145 0620 00 0 00403 10011
 00146 0020 00 0 00452 10001
 00147 0020 00 0 00452 10001
 00150 0760 00 0 00144 10000
 00151 0500 00 0 03461 10001
 00152 4320 00 0 00205 10001
 00153 0100 00 0 00162 10001

CLA SKIP
 ARS 10 LNK40088
 STO D'SNUM B LNK40088
 LXA SKIP,2 LNK40088
 STZ SKIP
 SKA SKIP,2
 CLA NUMIN
 CAS C253
 TRA **3
 TRA CMIOXY ONE RECORD INPUT
 TRA CMIOXY TWO RECORD INPUT
 SLN 4 TEST FOR RESTART
 RECSKP CLA KEYS
 AMA FOUR
 TZE FCHEG DO NOT SKIP LNK40086
 LNK40087

NETSIM ASSEMBLED TEXT.

04/14/66

PAGE 7

00154 7 00000 2 00162 10001
 BINARY CARD ID. NETSIM11
 00155 0074 00 4 14400 10011
 00156 0 00203 0 04001 10110
 00157 0 00462 0 00474 10101
 00160 3 00000 2 00200 10000
 00161 2 00001 2 40404 10011
 00162 0500 00 0 04233 10001
 00163 0100 00 0 00200 10001
 00164 0534 00 2 04237 10001
 00165 0774 00 1 00004 10000
 00166 0500 00 1 04134 10001
 00167 0601 00 1 30063 10000
 00170 2 00001 1 00166 10001
 00171 0500 00 0 00166 10001
 00172 0400 00 0 00205 10001
 00173 0621 00 0 00166 10001
 00174 0500 00 0 00167 10001
 00175 0400 00 0 00206 10001
 00176 0621 00 0 00167 10001
 00177 2 00001 2 00165 10001

TXL FCHEG,2,0 SKIP ZERO RECORDS LNK40089
 TSX ,READ,4 SKIP A RECORD LNK40090
 PZE FILE2,,E0B2 ON THE INPUT LNK40091
 PZE EOT,,IREAD TAPE LNK40092
 IORIN **,,** LNK40093
 TIX **4,2,1
 CLA FFSMT
 TZE FFL4
 LXA MOCOS,2 STORE NEW FIX-FORGET VALUES LNK40095
 AX7 4,1 LNK40096
 FFL2 CLA FFSPC**4,1 LNK40097
 FFL3 STO LEVEL**7,1 LNK40098
 TIX FFL2,1,1 LNK40099
 CLA FFL2 LNK40100
 ADD FOUR LNK40101
 STA FFL2 LNK40102
 CLA FFL3 LNK40103
 ADD C10 LNK40104
 STA FFL3 LNK40105
 TIX FFL1,2,1 LNK40106
 LNK40107
 LNK40108

BINARY CARD ID. NETSIM12
 00200 0441 00 0 04235 10001
 00201 0020 00 0 00207 10001
 00202 0000 00 0 00400 10011
 00203 0000 00 0 00400 10011
 00204 0 00000 0 30047 10000
 00205 000000000004 10000
 00206 000000000012 10000

FFL4 LOI IND CT
 TRA SCHED
 HTR * LNK40124
 HTR * LNK40125
 CINIT SKIP LNK40126
 FOUR DEC 4 LNK40127
 C10 DEC 10 LNK40128
 LNK40129

NETSIM ASSEMBLED TEXT.

04/14/66

PAGE 8

00207 0441 00 0 04235 10001
 00210 0054 00 0 00004 10000
 00211 0020 00 0 00231 10001
 00212 0054 00 0 00010 10000
 00213 0020 00 0 00243 10001
 00214 0054 00 0 00020 10000
 00215 0020 00 0 00305 10001
 00216 0054 00 0 00040 10000
 00217 0020 00 0 00330 10001
 00220 000000000000 00010
 00220 0074 00 4 05000 10011
 00221 1 00001 0 00403 10011

* INPT SCHEDULE ROUTINE
 SCHED LOI INDICT LNK40131
 RFT 4
 TRA MODE1 LNK40135
 RFT 10 LNK40136
 TRA MODE2 LNK40137
 RFT 20 LNK40138
 TRA MODE3 LNK40139
 RFT 40 LNK40140
 TRA MODE4 LNK40141
 CALL ,FPRN,(BCDC)'1746' LNK40142

BINARY CARD ID.	NETSIM13						
00222	0 04303 0 03322	10100					
00223	0 00000 0 00645	10000					
00224	000000000000	00010	CALL		FFIL.		LNK40143
00224	0074 00 4 00400	10011					
00225	1 00000 0 00402	10111					
00226	0 04303 0 00264	10200					
00227	0420 00 0 00001	10000		NPR	1		LNK40144
03230	0020 00 0 40401	10010		TRA	0-1		LNK40145
00231	4760 00 0 00142	10000	MODE1	SLT	2		LNK40146
00232	0020 00 0 00237	10000		TRA	NIA	WAS OUTPUT CORRECT	LNK40147
00233	0074 00 4 00420	10001	M1	TSX	INPUT,4	OFF-INCORRECT	LNK40148
00234	0534 00 4 00612	10001		LXA	MTRY,4	ON-READ NEW INPUT	LNK40149
00235	0634 00 4 00640	10000		SXA	READS,4	LOAD NUMBER OF TRIES	LNK40150
00236	0020 00 0 00704	10001		TRA	BEGIN		LNK40151
00237	0534 00 4 00640	10001	MIA	LXA	READS,4	TEST FOR MAXIMUM TRIES	LNK40152
00240	6 00001 4 00233	10001		TRX	M1,4,1		LNK40153
00241	0634 00 4 00640	10001		SXA	READS,4		LNK40154
00242	0020 00 0 00704	10000		TRA	BEGIN		LNK40155
00243	4760 00 0 00142	10000	MODE2	SLT	2	TEST FOR CORRECT RESPONSE	

BINARY CARD ID.	NETSIM14						
00244	0020 00 0 00303	10001		TRA	MSE	NO--OFF	
00245	0534 00 1 00610	10001		LXA	D(2),1	YES--ON	
00246	6 00001 1 00257	10001		TRX	MSC,1,1	D2 VALUES CONSECUTIVELY CORRECT	
00247	0634 00 1 00610	10000	M5A	SXA	D(2),	SAVE D(2)	
00250	0534 00 1 00607	10000		LXA	C(2),1	TESTC(2)--NUMBER OF TRIES FOR D2	
00251	6 00001 1 00257	10001		TRX	MSC,1,1	C2 TRIES FOR D2 CONSECUTIVELY CORRECT	
00252	0634 00 1 00607	10001		SXA	C(2),1	RESPONSES --SAVE C(2)	
00253	0074 00 4 00376	10001		TSX	DOUBSR,4		
00254	0500 00 0 04005	10001		CLA	ONE		
00255	0074 00 4 00420	10001	M5B	TSX	INPUT,4		
00256	0020 00 0 00704	10001		TRA	BEGIN	RESET D(2)	
00257	0500 00 0 00620	10001	M5C	CLA	D2		
00260	0601 00 0 00610	10001		STO	D(2)		
00261	0500 00 0 00617	10001		CLA	C2	RESET C(2)	
00262	0601 00 0 00607	10001		STO	C(2)	TEST NUMBER OF INPUTS PER CYCLE	
00263	0534 00 1 00605	10001		LXA	A(2),1	MORE INPUTS	
00264	2 00001 1 00301	10001		TRX	M5F,1,1	TEST NUMBER OF CYCLES	
00265	0534 00 1 00606	10000		LXA	B(2),1	NO MORE CYCLES	
00266	6 00001 1 00276	10001		TRX	M5G,1,1		

NETSIM
ASSEMBLED TEXT.

05/14/66

BINARY CARD ID.	NETSIM15						
00267	0634 00 1 00606	10001		SXA	B(2),1	SAVE NUMBER OF CYCLES REMAINING	
00270	0674 00 4 00376	10001		TSX	DOUBSR,4		
00271	0500 00 0 00615	10000		CLA	A2		
00272	0500 00 0 00615	10001		CLA	A2	RESET COUNTER OF INPUT NAMES	
00273	0601 00 0 00605	10001		STO	A(2)		
00274	0074 00 4 00522	10001		TSX	MESS,4	WRITE CYCLE RESPONSE MESSAGE	
00275	0020 00 0 00255	10001		TRA	M5B		
00276	0500 00 0 00616	10001	M5D	CLA	B2	RESET CYCLE INDEX	
00277	0601 00 0 00606	10001		STO	B(2)		
00300	0534 00 1 00615	10001		LXA	A2,1	RESET INPUT COUNTER INDEX	
00301	0634 00 1 00605	10001	M5F	SXA	A(2),1		
00302	0020 00 0 00255	10000		TRA	M5B		
00303	0534 00 1 00620	10001	M5E	LXA	D2,1	RESET CONSECUTIVELY CORRECT RESPONSE INDEX	
00304	0020 00 0 00247	10001		TRA	M5A		
00305	0534 00 4 00642	10001	MODE3	LXA	MINPS,4	HAVE M INPUTS BEEN READ	LNK40163
00306	6 00001 4 00312	10001		TRX	M3A,4,1		LNK40164
00307	0634 00 4 00642	10001		SXA	MINPS,4	NO-READ NEXT INPUT	LNK40165
00310	0074 00 4 00420	10001	M3	TSX	INPUT,4		LNK40166
00311	0020 00 0 00704	10001		TRA	BEGIN		LNK40167

BINARY CARD ID.	NETSIM16						
00312	0534 00 2 00621	10001	M3A	LXA	M3(M),2	YES-RESET M COUNTER	LNK40168
00313	0634 00 2 00642	10001		SXA	MINPS,2		LNK40169
00314	0074 00 4 00522	10001		TSX	MESS,4	WRITE CYCLE RESPONSE MESSAGE	
00315	0534 00 4 00643	10001		LXA	NCYCS,4	HAVE M CYCLES BEEN READ	LNK40170
00316	2 00001 4 00322	10001		TRX	M3B,4,1		
00317	0534 00 2 00622	10001		LXA	M3(M),2	YES-RESET N COUNTER	LNK40172
00320	0634 00 2 00643	10001		SXA	NCYCS,2		LNK40173
00321	0020 00 0 00326	10001		TRA	M3C		LNK40174
00322	0634 00 4 00643	10001	M3B	SXA	NCYCS,4	NO--BSP M TIMES	LNK40181
00323	0074 00 4 00376	10000		TSX	DOUBSR,4		
00324	0500 00 0 00621	10001		CLA	M3(M)		
00325	0441 00 0 04235	10001		LDT	INDICT		
00326	0074 00 4 00420	10001	M3C	TSX	INPUT,4		LNK40182
00327	0020 00 0 00704	10001		TRA	BEGIN		LNK40183
00330	0500 00 0 00641	10001	MODE4	CLA	TOTAL	ADD ONE TO TOTAL TRIES	LNK40184
00331	0400 00 0 04005	10001		ADD	ONE		LNK40185
00332	0601 00 0 00641	10001		STO	TOTAL		LNK40186
00333	4760 00 0 00142	10000		SLT	2	WAS LAST RESPONSE CORRECT	LNK40187
00334	0020 00 0 00340	10001		TRA	M4	N/	LNK40188

BINARY CARD ID.	NETSIM17						
00335	0500 00 0 00644	10001		CLA	RESCT	YES-ADD 1 TO COUNT	LNK40189
00336	0400 00 0 04005	10001		ADD	ONE		LNK40190
00337	0601 00 0 00644	10001		STO	RESCT		LNK40191
00340	0534 00 4 00642	10001	M4	LXA	MINPS,4	HAVE M INPUTS BEEN READ	LNK40192
00341	6 00001 4 00345	10000		TRX	M4A,4,1		LNK40193
00342	0634 00 4 00642	10001		SXA	MINPS,4	NO-READ NEW RECORD	LNK40194
00343	0074 00 4 00420	10001		TSX	INPUT,4		LNK40195
00344	0020 00 0 00704	10001		TRA	BEGIN		LNK40196
00345	0534 00 2 00623	10001	M4A	LXA	M4(M),2		
00346	0634 00 2 00642	10001		SXA	MINPS,2		LNK40198
00347	0074 00 4 00522	10001		TSX	MESS,4	WRITE CYCLE RESPONSE MESSAGE	
00350	0500 00 0 00644	10001		CLA	RESCT	CALCULATE PERCENT	LNK40199
00351	0560 00 0 04004	10001		IDQ	ZERO		LNK40200

D144
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00352	0221 00 0 00641	10001	DVP	TOTAL		LNK40201
00353	0760 00 0 00012	10000	DCT			LNK40202
00354	0020 00 0 00360	10091	TRA	M40	CORRECT RESPONSE ON EACH INPUT	LNK40203
00355	0131 00 0 00000	10000	RCA			LNK40204
00356	0402 00 0 00625	10001	SUB	PCENT	IS PERCENT GREATER	LNK40205
00357	4120 00 0 00366	10001	TRJ	M4C	THAN SPECIFIED ONE	LNK40206
					YES-RESET N COMPUTER	LNK40207
BINARY CARD ID. NETSIN10						
00360	0534 00 4 00624	10001	M40	LEA	M4(N),4	LNK40208
00361	0634 00 4 00643	10001	SKA	MCYCS,4		LNK40209
00362	0074 00 4 00420	10001	TSX	INPUT,4	READ NEW RECORD	LNK40210
00363	0400 00 0 00644	10000	STZ	RESCT		LNK40211
00364	0600 00 0 00641	10001	STZ	TOTAL		LNK40212
00365	0020 00 0 00704	10001	TRA	BEGIN		LNK40213
00366	0534 00 4 00643	10001	M4C	LEA	MCYCS,4	LNK40214
00367	4 00001 4 00360	10001	TRX	M40,4,1	MAKE N CYCLES BEEN READ	
00370	0634 00 4 00643	10001	SKA	MCYCS,4		
00371	0074 00 4 00376	10001	TSX	DOUBSR,4	NO--BSP N TIMES	LNK40216
00372	0500 00 0 00623	10001	CLA	M4(N)	RACKSPACE M4(N) INPUTS	
00373	0441 00 0 04235	10001	LDI	INDICT		
00374	0074 00 4 00420	10001	TSX	INPUT,4	READ CYCLE AGAIN	LNK40223
00375	0020 00 0 00704	10001	TRA	BEGIN		LNK40224
00376	0634 00 4 00615	10001	DOUBSR	SKA	OUTESA,4	
00377	0522 00 4 00001	10000	REC	1,4	CLA NUMBER OF INPUTS	
00400	4760 00 0 00144	10000	SLT	4		
00401	0020 00 0 00403	10011	TRA	003	ONE RECORD INPUT	
00402	0760 00 0 00144	10000	SLM	4	SLM-TRM RECORD INPUT--RESET	
BINARY CARD ID. NETSIN19						
00403	0400 00 4 00001	10000	ADD*	1,4	DOUBLE NO. OF INPUTS FOR RECORD COUNT	
00404	0734 00 2 00000	10000	PAX	0,2		
00405	000000000000	00010	BACK	CALL	.FBST.(ZZZ)	
00406	0074 00 4 10000	10011				
00407	1 00001 0 00403	10011				
00408	0 04303 0 00446	10100				
00409	0 00000 0 00517	10001				
00411	0500 00 0 30047	10000	CLA	SKIP		
00412	0402 00 0 04005	10001	SUB	ONE		
00413	0401 00 0 30047	10000	STO	SKIP		
00414	2 00001 2 00405	10001	TIX	BACK,2,1		
00415	0774 00 4 00000	10000	OUTBSR	ART	00,4	
00416	0020 00 4 00002	10000	TRA	2,4		
00417	0 00000 0 04001	10010	ZZZ	PZE	FILE2	
00420	0634 00 4 00445	10001	INPUT	SKA	IPTRA,4	READ NEXT RECORD FROM
00421	000000000000	00010	CALL		.FMRD.(.UMG6.,TCYCL)*7000*	LNK40225
00421	0074 00 4 11400	10011				
00422	1 00002 0 00404	10011				
00423	0 04303 0 15320	10,00				
BINARY CARD ID. NETSIN20						
00424	0 00000 0 15000	10011				
00425	0 00000 0 00627	10001				
00426	0500 00 0 00605	10001	CLA	A(2)		
00427	0074 00 4 12400	10011	TSX	.FCNV,4		
00430	0500 00 0 00607	10001	CLA	C(2)		

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00431	0074 00 4 15400	10011	TSX	.FCNV,4		
00432	0500 00 0 00610	10001	CLA	D(2)		
00433	0074 00 4 15400	10011	SKA	.FCNV,4		
00434	000000000000	00010	CALL	.FFIL.*7000*		
00434	0074 00 4 06400	10011				
00435	1 00000 0 00402	10011				
00436	0 04303 0 15320	10100				
00437	0074 00 4 14400	10011	READ	TSX	.READ,4	LNK40227
00440	0 00203 0 04001	10110	PZE	FILE2,ED02		
00441	0 00462 0 00474	10101	PZE	EDT,IREAD		LNK40228
00442	2 00400 0 27046	10000	ICOMM	IORP	NOCNT,256	
00443	4 00001 2 00000	10000		IOCPN	00,1	
00444	3 00377 0 27446	10000		IORT	NOCNT+256,,255	
00445	0774 00 4 00000	10000	IPTRA	ART	00,4	LNK40231
BINARY CARD ID. NETSIN21						
00446	0500 00 0 30047	10000	CLA	SKIP	ADD TO NUMBER OF RECORDS READ	LNK40232
00447	0400 00 0 04006	10001	ADD	TWO		
00450	0601 00 0 30047	10000	STO	SKIP		
00451	0020 00 4 00001	10000	TRA	1,4		LNK40236
00452	4500 00 0 00574	10001	CHIOXY	CAL	ONEREC	LNK40235
00453	0602 00 0 00442	10001	SLM		IOCD FOR ON RED. SENSORY INPUT.	
00454	0500 00 0 00573	10001	ICOMM			
00455	0601 00 0 00443	10001	CLA	NOPP		
00456	0601 00 0 00444	10001	STO	ICOMM+1		
00457	0500 00 0 00574	10001	STO	ICOMM+2		
00460	0621 00 0 00447	10001	CLA	NOONE	MODIFY REDORD COUNTER	
00461	0020 00 0 00151	10001	STA	IPTRA+2		
00462	000000000000	00010	TRA	REGSKP	RETURN TO PROGRAM	
00462	0074 00 4 05000	10011	IREAD	CALL	.FPRN.(BCDE)'1466'	LNK40236
00463	1 00001 0 00403	10011				
00464	0 04303 0 03512	10100				
00465	0 00000 0 00664	10001				
00466	000000000000	00010	CALL	.FFIL.		LNK40237
00466	0074 00 4 06400	10011				

BINARY CARD ID. NETSIM22

00467	1	00000	0	00402	10011
00470	0	04303	0	00513	10100
00471	0420	00	0	00001	10000
00472	0020	00	0	40401	10011
00473	0070	00	0	00400	10011
00474	0074	00	4	10400	10011
00475	0	00000	0	04001	10010
00476	000000000000				00010
00476	0074	00	4	05400	10011
00477	1	00001	0	00403	10011
00500	0	04303	0	03523	10100
00501	0	00000	0	00473	10001
00502	000000000000				00010
00502	0074	00	4	06400	10011
00503	1	00000	0	00402	10011
00504	0	04303	0	00522	10100
00505	000000000000				00010
00505	0074	00	4	11400	10011
00506	1	00002	0	00404	10011

MPR 1 LMK40230
 TRA --1 LMK40239
 NTR 0 LMK40240
 TSX .CLOSE,4 CLOSE DATA FILE LMK40241
 PZE FILE2 LMK40242
 CALL .FPRD.(ENDIP)'075' LMK40243

CALL .FFIL. LMK40244

CALL .FWRD.(UN06,ENDIP)'1076' LMK40245

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 12

BINARY CARD ID. NETSIM23

00507	0	04303	0	03524	10100
00510	0	00000	0	15000	10011
00511	0	00000	0	00673	10001
00512	000000000000				00010
00512	0074	00	4	06400	10011
00513	1	00000	0	00402	10011
00514	0	04303	0	00524	10100
00515	000000000000				00010
00515	0074	00	4	10400	10011
00516	1	00001	0	00403	10011
00517	0	04303	0	00525	10100
00520	0	00000	0	16400	10011
00521	0020	00	0	03201	10001
00522	0634	00	4	00551	10001
00523	0500	00	0	00572	10001
00524	4100	00	0	00536	10001
00525	000000000000				00010
00525	0074	00	4	11400	10011
00526	1	00002	0	00404	10011

CALL .FFIL. LMK40246

CALL .FEFT.(UN03.) LMK40247

MESS TRA MRES
 SXA MESSED*1,4
 CLA MESSAG WRONG RESPONSE COUNTER/CYCLE
 TNZ MESSAB WRONG RESPONSE IN THIS CYCLE
 MESSG CALL .FWRD.(UN06,MESSA) LMK40249

BINARY CARD ID. NETSIM24

00527	0	04303	0	00532	10100
00530	0	00000	0	15000	10011
00531	0	00000	0	00553	10001
00532	000000000000				00010
00532	0074	00	4	06400	10011
00533	1	00000	0	00402	10011
00534	0	04303	0	00535	10100
00535	0020	00	0	00550	10001
00536	000000000000				00010
00536	0074	00	4	11400	10011
00537	1	00002	0	00404	10011
00540	0	04303	0	00535	10100
00541	0	00000	0	15000	10011
00542	0	00000	0	00562	10001
00543	0500	00	0	00572	10001
00544	0074	00	4	15400	10011
00545	000000000000				00010
00545	0074	00	4	06400	10011
00546	1	00000	0	00402	10011

CALL .FFIL. LMK40250

MESSAB TRA MESSED
 CALL .FWRD.(UN06,MESSA) LMK40251

CLA MESSAG
 TSX .FCNV,4
 CALL .FFIL. LMK40252

BINARY CARD ID. NETSIM25

00547	0	04303	0	00540	10100
00550	0600	00	0	00572	10001
00551	0774	00	4	00000	10000
00552	0020	00	4	00001	10000
00553	740305300145				10000
00554	466391452346				10000
00555	51125236360				10000
00556	512562474645				10000
00557	622162606330				10000
00560	316260237023				10000
00561	432533346060				10000
00562	740305300160				10000
00563	314523465151				10000

MESSED STZ MESSAG
 AXI **,4
 TRA 1,4
 MESSA BCI 7,(135H10 INCORRECT RESPONSES THIS CYCLE.) LMK40253

MESSH BCI 0,(135H1 INCORRECT RESPONSES THIS CYCLE + ,14) LMK40254

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 13

00564	252363605125	10000
00565	624746456225	10000
00566	626063303162	10000
00567	602370234325	10000
00570	60360733104	10000
00571	366060606060	10000

BINARY CARD ID. NETSIM26

00572	0 00000 0 00000	10000	MESSAG PZE	0		
			STORAGE FROM SCHEDULE ROUTINE			LNK40250
00573	0761 00 0 00000	10000	NOPP	NOB		
00574	3 00400 0 27044	10000	ONEREC IORT	NOCAT.,256		
	39303		SMEXT EOU	NEXT		
00575	0 00000 0 00000	10000	ISM	PZE	0	
00576	0 00000 0 04300	10000	WDRNE	PZE	ONE	
00577	0000000000003	10000	THREE	DEC	3	
00600	0 00000 0 00000	10000	READOP	PZE	0	
00601	0 00000 0 00000	10000	WMPIN	PZE	0	
00602	0 00000 0 00000	10000	WMPES	PZE	0	
00603	000000000375	10000	C253	DEC	253	
00604	0 00000 0 00000	10000	DIASCH	PZE	0	
00605	0 00000 0 00000	10000	A121	PZE	0	
00606	0 00000 0 00000	10000	B121	PZE	0	
00607	0 00000 0 00000	10000	C121	PZE	0	
00610	0 00000 0 00000	10000	D121	PZE	0	
00611	0 00000 0 00000	10000	CNTR	PZE	0	
00612	200000000001	00001	A1	BSS	1	
00613	200000000001	00001	WPR	BSS	1	
00614	200000000001	00001	CMPC	BSS	1	

BINARY CARD ID. NETSIM27

00615	200000000001	00001	A2	BSS	1	
00616	200000000001	00001	B2	BSS	1	
00617	200000000001	00001	C2	BSS	1	
00620	200000000001	00001	D2	BSS	1	
00621	200000000001	00001	A3	BSS	1	
00622	200000000001	00001	B3	BSS	1	
00623	200000000001	00001	A4	BSS	1	
00624	200000000001	00001	B4	BSS	1	
00625	200000000001	00001	C4	BSS	1	
00626	000000100000	10000	K20	OCY	100000	
00627	740730604431	10000	TCVCL	RCI	09.17M NINPS=.012.5X.7M NEVCS=.082.5X.8M INDICT=.0127777	
00630	454762137346	10000				
00631	010273055773	10000				
00632	073060452370	10000				
00633	236213734601	10000				
00634	027305677310	10000				
00635	306031452431	10000				
00636	236313734601	10000				
00637	026161616134	10000				

BINARY CARD ID. NETSIM28

00640	0 00000 0 00000	10000	READS		INDEX FOR N17Y	LNK40255
00641	0 00000 0 00000	10000	TOTAL			LNK40256
00642	0 00000 0 00000	10000	NINPS		INDEX FOR N3(IN)	LNK40257
00643	0 00000 0 00000	10000	NEVCS		INDEX FOR N3(IN)	LNK40258

NETSIM ASSEMBLED TEXT.

04/14/66

PAGE 14

00644	0 00000 0 00000	10000	RESCT		CORRECT RESPONSE COUNT	LNK40259
00645	740111306031	10000	BCDC	BCI	5.119M ILLEGAL INPUT MODE/////	LNK40261
00646	434325272143	10000				
00647	603145476463	10000				
00650	604446242561	10000				
00651	616161346060	10000				
00652	740407306051	10000	BCDD	BCI	9.147M RAISE SIGN BIT TO REPEAT NEXT INPUT, HIT START///	LNK40262
00653	213162256062	10000				
00654	312745602231	10000				
00655	636063466051	10000				
00656	254725216360	10000				
00657	452567636031	10000				
00660	454764637360	10000				
00661	303165606263	10000				
00662	215163616161	10000				

BINARY CARD ID. NETSIM29

00663	613460606060	10000				
00664	740202306031	10000	BCDE	BCI	1.0/1	LNK40263
00665	454764636063	10000			7.122M INPUT TAPE UNREADABLE/////	LNK40264
00666	214725606445	10000				
00667	512521242122	10000				
00670	432561616161	10000				
00671	346060606060	10000				
00672	606060606060	10000				
00673	746161610306	10000	ENDIP	BCI	8.177/36M END OF INPUT. SIMULATION COMPLETE. /1M1	LNK40265
00674	306025452460	10000				
00675	462460314547	10000				
00676	646333606231	10000				
00677	446443216331	10000				
00700	464560234644	10000				
00701	474325632533	10000				
00702	606101300134	10000				
00703	0000 00 0 00400	10011	BOF	HTR	.	LNK40266

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* NETWORK SIMULATION PROGRAM
*
* SENSE SWITCH 1 OPERATOR CONTROL OF INP LNK40268
* SCNSE SWITCH 2 UP DO NOT CONVERT INPUT LNK40270
* SENSE SWITCH 2 DOWN - CONVERT INPUT LNK40271
* SENSE LIGHT 1=NEGATIVE G-SET LNK40272
* SENSE LIGHT 2=CORRECTNESS OF OUTPUT LNK40273
* SENSE LIGHT 3=CONVERGENCE OF OUTPUT LNK40274
* INDICATOR BIT 2=OMIT 1 COMPUTE FOR LNK40275
* ITERATION LNK40276
* INDICATOR BIT 3=INPUT MODE 1 LNK40277
* INDICATOR BIT 4 = INPUT MODE 2 LNK40278
* INDICATOR BIT 5 = INPUT MODE 3 LNK40279
* INDICATOR BIT 6 = INPUT MODE 4 LNK40280
* INDICATOR BIT 7 ON=MANUAL CHANGE OF MS LNK40281
* 8 ON=MANUAL CHANGE OF BIAS LNK40282
* 9 ON = SUM. MODE FOR DECISION PROCEDUR LNK40283
* 9 OFF=MAXIMUM MODE LNK40284
* 10 ON=PRINT G-SETS LNK40285
* MAXIMUM NO. OF ITERATIONS LNK40286
* TRIALS FOR CONVERGENCE LNK40287
* SET LEVEL -1 LNK40289
* SET TO FIRST COMPONENT LNK40290
*
* 00031
* RYS EQU 25
*
* 00704 0774 00 1 00000 10000 REGIM AXT 0,1
* 00705 0634 00 1 00723 10001 LEVIR,1
*
BINARY CARD ID. NETSIM30
00706 0500 00 0 04005 10001 CLA ONE LNK40291
00707 0601 00 0 04023 10001 STO LEVCT SET LEVEL TO 1 FOR PRINTING LNK40292
00710 0441 00 0 04235 10001 LDI INDICT
00711 0055 00 000100 10000 SIR 100
00712 0057 00 000200 10000 MIR 200 LEVEL SUMMING-DATKO TOV SIGNAL
00713 0604 00 0 04235 10001 STI INDICT
00714 0500 00 1 30055 10000 SAVEM CLA MS,1 LNK40293
00715 0601 00 0 04036 10001 STO OLDS LNK40294
00716 0600 00 1 30063 10000 STZ BIAS,1
00717 0500 00 0 00573 10001 CLA NOPP
00720 0401 00 0 01262 10001 STO REVER1
00721 0401 00 0 01361 10001 STO REVER2
00722 0600 00 0 04017 10001 STZ TRIAL
00723 0774 00 2 00000 10000 LEVIR AXT *0,2 RESET LEVEL ITERATION COUNTER LNK40295
00724 0600 00 0 04015 10001 STZ OSUM BEGINNING OF LEVEL(25TCOMP) LNK40296
00725 0600 00 0 04024 10001 STZ COMCT INITIALIZE OF OUTPUTS LNK40297
00726 0774 00 6 00000 10000 AXT 0,6 LNK40298
00727 0634 00 2 00771 10001 BECOM SXA AXT2,2 BEGINNING OF COMPONENT LNK40299
00730 0634 00 1 00772 10001 SXA LEV1,1 SAVE LEVEL NUMBER LNK40300

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BINARY CARD ID. NETSIM31
00731 0760 00 0 00016 10000 LMTM
00732 0300 00 0 04024 10001 CLA COMCT LNK40301
00733 0400 00 0 04005 10001 ADD ONE LNK40302
00734 0601 00 0 04024 10001 STO COMCT LNK40303
00735 0500 00 2 30316 10000 CLA XANDY,2 LNK40304
00736 4734 00 4 00000 10000 PDX 0,4 LNK40305
00737 0634 00 4 04232 10001 SXA YYYY,4 SAVE YYYY LNK40306
00740 0634 00 4 01006 10001 SXA AXT3,4 SAVE NO. OF PRIMARY LINES LNK40307
00741 1 77764 2 00401 10011 TXI *+1,2,-12 INDEX PAST 12 WORDS LNK40307
00742 0734 00 4 00000 10000 PAX 0,4 NUMBER OF STATE LINES LNK40308

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00743 0634 00 4 04231 10001 SXA XXXX,4 SAVE XXXX LNK40309
00744 0600 00 0 04016 10001 STZ TSUM LNK40310
00745 7 00000 4 01011 10001 TXL PRLIN,4,0 TEST FOR ZERO STATE LINES LNK40311
00746 0441 00 0 04235 10001 LDI INDICT
00747 0054 00 000002 10000 RFT 2
00750 1 00001 1 00401 10011 TXI *+1,1,1 TEST I-COMPUTE BIT LNK40312
00751 0300 00 1 30066 10000 CLA OVAL,1 OUTPUT CALCULATED-TAKE NEW VALUE LNK40312
00752 0737 00 1 00000 10000 PAC 0,1 INDEX FOR DIRECT EFFECTIVE ADDRESS LNK40313
00753 0560 60 2 30303 10000 SSUM LDQ+ LINE1,2 LNK40314
* 00754 QMPYB LINE1,2 LNK40315
* 00761 QADDA TSUM,0 LNK40317
BINARY CARD ID. NETSIM32
00766 0601 00 0 04016 10001 STO TSUM
00767 1 77777 2 00401 10011 TXI *+1,2,-1 LNK40318
00770 2 00001 4 00753 10001 TXL SSUM,4,1 LNK40319
00771 0774 00 4 00000 10000 AXT *0,4 LNK40320
00772 0774 00 1 00000 10000 LEV1 AXT *0,1 BEGINNING OF COMPONENT LNK40321
00773 0560 00 0 04016 10001 LDQ TSUM LEVEL NUMBER LNK40322
* 00774 QMPYA MS,1 LNK40324
BINARY CARD ID. NETSIM33
01002 0601 00 4 30306 10000 STO SVAL,4 SAVE COMPUTED S LNK40325
01003 0441 00 0 04235 10001 LDI INDICT
01004 0056 00 000002 10000 RNT 2
01005 0020 00 0 01011 10001 TXL PRLIN TEST IF I IS COMPUTED LNK40326
01006 4774 00 4 00000 10000 AXT *0,4 NO, COMPUTE IT LNK40327
01007 4634 00 4 00401 10011 SXD *+1,4 YES, INDEX TO NEXT COMPONENT LNK40328
01010 1 00000 2 01054 10001 TXI OPUT,2,*** CY=Y LNK40329
* -NO. OF PRIMARY LINES(-Y) LNK40330
*
* CALCULATE AND SAVE COMPUTED I VALUE LNK40331
* NO. OF PRIMARY LINES LNK40332
* TEST FOR ZERO PRIMARY LINES LNK40333
* INDEX FOR DIRECT EFFECTIVE ADDRESS LNK40334
01011 0534 00 4 01006 10001 PRLIN LXA AXT3,4 LNK40335
01012 7 00000 4 01054 10001 TXL OPUT,4,0 LNK40336
01013 0500 00 1 30054 10000 CLA OVAL-10,1 LNK40337
01014 0737 00 1 00000 10000 PAC 0,1 LNK40338
01015 0600 00 0 04016 10001 STZ TSUM LNK40339
01016 0500 00 0 01146 10001 CLA IIST SKIP SVAL ON FIRST OUTPUT--GARBAGE LNK40340
01017 0601 00 0 01064 10001 STO ICHANG
01020 0560 60 2 30303 10000 TSUM LDQ+ LINE1,2 LNK40340
* 01021 QMPYB LINE1,2 LNK40340
* 01026 QADDA TSUM,0 LNK40340

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BINARY CARD ID. NETSIM34

01033	0601	00	0	04016	10001	STO	TSUM			LNK40341
01034	1	7777	2	00401	10011	TXI	**1,2,-1			LNK40342
01035	2	00001	4	01020	1000.	TXI	ISUM,4,1			LNK40343
01036	0534	00	4	00771	10001	LXA	AXT2,4		GET BEGINNING OF COMPONENT	LNK40344
01037	0534	00	1	00772	10001	LXA	LEV1,1		GET LEVEL NUMBER	LNK40345
01040	0560	00	0	04016	10001	LDO	TSUM			LNK40346
				01041		QMPYA	MI,1			LNK40347
				01047		QADDB	BIAS,1			LNK40348
						* CALCRATE	D=S+1			LNK40349

BINARY CARD ID. NETSIM35

01053	0601	00	4	30305	10000	STO	IVAL,4		SAVE COMPUTED I	LNK40350
01054	0534	00	4	00774	10001	OPUT	LXA	AXT2,4		LNK40351

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 17

01055	0500	00	1	30065	10000	CLA	OFLIP,.		OUTPUT FLIPFLOP	LNK40352
01056	0400	00	0	04010	10001	ADD	ZNEXT		GET ADDRESS OF OUTPUT	LNK40353
01057	0621	00	0	01103	10001	STA	OLD		OLD OUTPUT IN ADDRESS	LNK40354
01060	0771	00	0	00022	10000	ARS	10			LNK40355
01061	0621	00	0	01072	10001	S*A	NEW		NEW OUTPUT IN DEER	LNK40356
01062	0500	00	4	30306	10000	CLA	SYAL,4			LNK40357
01063	0140	00	0	00401	10011	TOV	**1			LNK40358
01064	0761	00	0	00000	10000	ICHANG	NOP			
01065	0767	00	0	00010	10000	ALS	8			
01066	0120	00	0	00403	10011	TPL	**3		TEST OFR POSITIVE OVERFLOW	
01067	4754	00	0	00000	10000	PXD	0,0			LNK40361

BINARY CARD ID. NETSIM36

01070	0100	00	0	00402	10011	FZE	**2		SKIP SATURATION FOR NEGATIVE OVERFLOW	
01071	0140	00	0	01202	10001	TOV	SAT			
01072	0601	00	4	00000	10000	NEW	STO	**0,4	STORE NEW OUTPUT VALUE	LNK40365
				01072		QATWO	OSUM,0		ADD TO SUM	LNK40366
01100	0601	00	0	04015	10001	STO	OSUM			LNK40367
01101	4520	00	0	04017	10001	NZT	TRIAL			
01102	0020	00	0	01122	1000.	TRA	MRCOMP		SKIP CONVERGENCE TEST -- FORCE ITERATION	
01103	0500	00	4	00000	10000	OLD	CLA	**0,4	COMPARE OLD VALUE	LNK40368
01104	0402	00	0	01072	1000.	SUB*	NEW		WITH NEW VALUE	LNK40369
01105	0560	00	0	04004	10001	LDO	ZERO			LNK40370
01106	0221	00	0	01103	10001	OVP*	OLD		COMPUTE (OLD-NEW)/OLD	LNK40371
01107	0760	00	0	00012	10000	OCY				LNK40372
01110	0020	00	0	01112	10001	TRA	OFF*1		ON	LNK40373
01111	0131	00	0	00000	10000	OFF	XCA		OFF	LNK40374
01112	0760	00	0	00003	10000	SSP				LNK40375
				01113		QSOME	EPSLN,0		HAS OUTPUT CONVERGED	LNK40376

BINARY CARD ID. NETSIM37

01120	4120	00	0	00402	10011	TMI	**2		YES	LNK40377
01121	0760	00	0	00143	10000	SLN	3		NO, SET SWITCH	LNK40378
01122	0500	00	2	30303	10000	MRCOMP	CLA	NEXT,2		
01123	0120	00	0	00727	10001	TPL	SECOM		NO, GET NEXT ONE	LNK40380
01124	0534	00	4	04017	10001	LXA	TRIAL,4		NO. OF TRIES	LNK40383
01125	3	00000	4	01135	10001	TXM	TRI,4,0		TEST FOR FIRST ITERATION	LNK40384
01126	0441	00	0	04235	10001	LDI	INDICT			
01127	0055	00	0	000002	10000	SIR	2		YES-SET BIT TO OMIT I COMPUTED	LNK40385
01130	0500	00	0	01147	10001	CLA	I2ND			
01531	0601	00	0	01064	10001	S70	ICHANG			
01132	0604	00	0	04235	10001	STI	INDICT			
01133	0774	00	4	00031	10000	AXT	TRYS,4		SET UP LOOP	LNK40386
01134	0020	00	0	00404	10011	TRA	**4			
01135	4760	00	0	00143	10000	TRI	SLT	3	TEST FOR CONVERGENCE	

BINARY CARD ID. NETSIM38

01136	0020	00	0	01226	10001	TRA	STABL		OFF-CONVERGENCE	LNK40382
01137	6	00001	0	01150	10001	TXN	UNSTA,4,1		TEST FOR MAXIMUM TRIES FOR CONVERGENCE	
01140	0634	00	0	04017	10001	SXA	TRIAL,4		NOT ENOUGH	LNK40388
01141	0534	00	1	00772	10001	LXA	LEV1,1		REVERSE OFLIP	LNK40389
01142	0560	00	1	30065	10000	LDO	OFLIP,1			LNK40390
01143	4773	00	1	00022	10000	RQL	10			LNK40391
01144	4600	00	1	30065	10000	STO	OFLIP,1			LNK40392
01145	0020	00	0	00723	10001	TRA	LEVIR		START LEVEL AGAIN	LNK40393
01146	0500	00	4	30305	10000	LIST	CLA	IVAL,4		

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 18

01147	0400	00	4	30305	10000	I2ND	ADD	IVAL,4		
						* LEVL IS UNSTABLE.	REDUCE MS			
01150	0020	00	0	01151	10001	UNSTA	TRA	UNSI		LNK40394
01151	0500	00	1	30055	10000	UNSI	CLA	MS,1		
01152	0402	00	0	30052	10000		SUB	MSTEP		LNK40405
01153	0120	00	0	00402	10011	TPL	**2			LNK40406
01154	4754	00	0	00000	10000	PKD	0,0			LNK40407
01155	0601	00	1	30055	10000	UNSI	STO	MS,1	STORE NEW MS	LNK40408
01156	0601	00	0	04227	10001	STO	AAA			LNK40409
01157	000000000000	00010				CALL	BTDF(AAA,=5,AAA)'2047'			LNK40410
01157	0074	00	4	04000	10011					LNK40411

BINARY CARD ID. NETSIM39

01160	1	00003	0	00405	10011					
01161	0	04303	0	03777	10100					
01162	0	00000	0	04227	10001					
01163	0	00000	0	04272	10001					
01164	0	00000	0	04227	10001					
01165	000000000000	00010				CALL	.FWRD.(UN06.,PC0A)'2048'			LNK40412
01166	0074	00	4	11400	10011					
01166	1	00002	0	00404	10011					
01167	0	04303	0	04000	10100					
01170	0	00000	0	15000	10011					
01171	0	00000	0	03605	10001					
01172	0500	00	0	04023	10001	CLA	LEVCT			LNK40413
01173	0074	00	4	15400	10011	TSX	.FCNV,4			LNK40414
01174	0500	00	0	04227	10001	CLA	AAA			LNK40415
01175	0074	00	4	15400	10011	TSX	.FCNV,4			LNK40416
01176	000000000000	00010				CALL	.FFIL.'2048'			LNK40417
01176	0074	00	4	06400	10011					
01177	1	00000	0	00402	10011					
01200	0	04303	0	04000	10200					

BINARY CARD ID. NETSIM40

01201	0020 00 0 00722	10001	TRA	ZITER	START LEVEL AGAIN	LNK40418
01202	0900 00 0 04273	10001	SAT CLA	+037777777777		
01203	0020 00 0 01072	10001	TRA	MEM		
01204	200000000001	00001	DP2 BSS	1		
01205	200000000001	00001	HOLD BSS	1		
01206	200000000001	00001	SHT BSS	1		
01207	740301306046	10000	SMFOTP BCI	7,131H	OUTPUT OF COMPONENT TO LARGE =,F9.4)	
01210	646347646360	10000				
01211	462660234644	10000				
01212	47445254563	10000				
01213	606346604321	10000				
01214	512725601373	10000				
01215	261133043460	10000				
01216	740204306031	10000	ADDUTP BCI	6,124H	IVAL+SYAL IS TO LARGE =,F9.4)	
01217	632143206265	10000				
01220	214340316260	10000				
01221	634660432151	10000				
01222	272560137326	10000				
01223	113304346060	10000				

BINARY CARD ID. NETSIM41

01224	0 00000 0 00000	10000	HOLD PZE	0		
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NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 19

01225	777777000000	10000	MASK1 OCT	777777000000		
			* OUTPUT IS	NUM STABLE-TEST FOR RANGE		
01226	0057 00 000002	10000	STABL RIR	2	RESET BIT FOR I-COMPUTE	LNK40419
01227	0760 00 0 00016	10000	LMTM			LNK
01230	0604 00 0 04235	10001	STI	INDICT		
01231	0560 00 1 30064	10000	LDQ	ESUM.1	GET RANGE OF	LNK40421
01232	0200 00 0 04003	10001	MPY	TENTH	PERMISSIBLE OUTPUT	LNK40422
01233	0601 00 0 04034	10001	STO	TEMP		LNK40423
01234	0500 00 1 30064	10000	CLA	ESUM.1	(ESUM-OSUM) 424	
01235	0402 00 0 04015	10001	SUB	OSUM	GET DIFFERENCE *25	
01236	4340 00 0 04034	10001	LAS	TEMP	IS OUTPUT IN RANGE	LNK40426
01237	0020 00 0 01242	10001	TRA	AJUST	NO-ADJUST BIAS	LNK40427
01240	0020 00 0 01644	10001	TRA	ACCEPT	YES	LNK40428
01241	0020 00 0 01644	10001	TRA	ACCEPT	YES	LNK40429
01242	0441 00 0 01571	10001	AJUST LDI	BCONTL	BIAS CONTROL WORD	
01243	0661 00 0 01601	10001	STO	DIFF2B		
01244	0054 01 000004	10000	RFT	4		
01245	0020 00 0 01355	10001	TRA	ITER4		
01246	0054 00 000002	10000	RFT	2		

BINARY CARD ID. NETSIM42

01247	0020 00 0 01311	10001	TRA	AJUST2		
01250	0054 00 000001	10000	RFT	1		
01251	0020 00 0 01274	10001	TRA	AJUST1		
01252	0601 00 0 01600	10001	AJUSTO STO	DIFF1B	(OSUM-ESUM)	
01253	0131 00 0 00000	10000	XCA			
01254	4754 00 0 00000	10000	PKD	0,0		
01255	0221 00 0 04024	10001	OVP	CONCT	= OF COMPONENTS THIS LEVEL - B(6)	
01256	0131 00 0 00000	10000	XCA			
01257	0560 00 0 01600	10001	LDQ	DIFF1B	ATTACH SIGN FOR CHANGE	
01260	0763 00 0 00000	10000	LIS	0		
01261	0771 00 0 00003	10000	ARS	3	B(6) TO B(9)	
01262	0761 00 0 00000	10000	REVER1 NOP		CMS INSERTED IF(OSUM2-OSUM1) SIGN DIFFEREN	
01263	0601 00 0 01575	10001	STO	DB1	FROM SIGN GIVEN TO DBIAS	
01264	0400 00 1 30063	10000	ADD	BIAS.1	BIAS=0,EXCEPT WHEN OVERFLOW OF OSUM HAS OC	
01265	0601 00 1 30063	10000	STO	BIAS.1		
01266	0055 00 000001	10000	SIR	1	BIAS CONTROL-SIGNALS AJUST 1 FOR NEXT AJUS	
01267	0604 00 0 01571	10001	STI	BCONTL		
01270	0500 00 0 04015	10001	CLA	OSUM		
01271	0601 00 0 01572	10001	STO	OSUM1	BASE OSUM FOR TESTING IN LATER AJUSTMENTS	

BINARY CARD ID. NETSIM43

01272	0500 00 1 30063	10000	CLA	BIAS.1		
01273	0020 00 0 01602	10001	TRA	AJ2	RETURN	
01274	0601 00 0 01601	10001	AJUST1 STO	DIFF2B	B6	
01275	0500 00 0 04015	10001	CLA	OSUM	TEST TO SEE IF DB HAS SAME DIRECTION	
01276	0340 00 0 01572	10001	CAS	OSUM1	COMPARE FOR SAME	
01277	0020 00 0 00402	10011	TRA	**2		
01300	0020 00 0 01543	10001	TRA	01E002	THE SAME --- OUTPUTS SATURATED	
01301	0402 00 0 01572	10001	SUB	OSUM1	OF CHANGE AS OSUM. IF NOT SIGN	
01302	0601 00 0 01576	10001	STO	OSUM	ATTACHMENT INSTR FOR DB WILL BE REVERSED.	
01303	0560 00 0 01600	10001	LDQ	DIFF1B	B6	
01304	4120 00 0 00403	10011	TMI	**3		
01305	0162 00 0 00403	10011	TOP	**3	BOTH PLUS	
01306	0020 00 0 01377	10001	TRA	REVSIN	DIFFER-REVERSE DB SIGN CODING	
01307	0162 00 0 01377	10001	TOP	REVSIN		

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 20

01310	0020 00 0 00402	10011	TRA	**2		
01311	0601 00 0 01601	10001	AJUST2 STO	DIFF2B	TEST (OSUM2-ESUM) WITH (OSUM1-ESUM)	
01312	0500 00 0 01601	10001	CLA	DIFF2B	TO SEE IF OSUM2 HAS REACHED OPPOSITE SIDE.	
01313	0560 00 0 01600	10001	LDQ	DIFF1B		
01314	4120 00 0 00403	10011	TMI	**3		

BINARY CARD ID. NETSIM44						
01311	0162	00	0 00403 10011	TOP	***	
01314	0010	00	0 01367 10001	TRA	AJUST4	SAME SIGN-DSUM2 MUST BE FURTHER CHANGED
01317	0162	00	0 01367 10001	TOP	AJUST4	BOTH BOUNDARIES ABOUT DSUM FOUND
01320	0500	00	0 01577 10001	CLA	PCENT4	SAME ITER. TO REDUCE TO PROPER AMOUNT.
01321	0190	00	0 00403 10011	TFZ	***	
01322	0500	00	0 01577 10001	CLA	DB1	
01323	0020	00	0 01367 10001	TRA	SET2	
01324	4754	00	0 00000 10000	RXD	0.0	
01325	0131	00	0 00000 10000	XCA		
01326	0500	00	0 01576 10011	CLA	DSUM	AMOUNT OF CHANGE FOR DB USED
01327	0221	00	0 01600 10001	DVP	DIFF10	AMOUNT REQUIRED
01330	0760	00	0 00012 10000	DCT		PCENT GREATER THAN ONE
01331	0020	00	0 01556 10001	TRA	LARGE	
01332	4400	00	0 01577 10001	STO	PCENT0	B0
01333	0500	00	0 01575 10001	CLA	DB1	B9
01334	0221	00	0 01577 10001	DVP	PCENT0	B0
01335	0760	00	0 00012 10000	DCT		B9-B0-B9(M0)
01336	0020	00	0 01365 10001	TRA	SMALCH	OVERFLOW-GREATER THAN B9
01337	0131	00	0 00000 10000	XCA		

BINARY CARD ID. NETSIM45						
01340	0402	00	0 01575 10001	SUB	DB1	
01341	0601	00	0 01575 10001	SET2	STO	DB1
01342	0055	00	0 000002 10000	SIR	2	SAVE DB FOR ITER FOR DSUM OVERFLOW
01343	0604	00	0 01571 10001	STI	BCONTL	SET CONTROL FOR AJUST2
01344	0400	00	1 30063 10000	ADD	BIAS,1	BIAS=0, EXCEPT WHEN DSUM OVERFLOWS
01345	0140	00	0 01535 10001	TOV	TOBIG1	
01346	0020	00	0 01602 10001	TRA	AJ2	RETURN
01347	0500	00	0 01575 10001	AJUST4	CLA	DB1
01350	0760	00	0 00003 10000	SSP		DB RANGE-ITERATE TO FIND CORRECT VALUE
01351	0601	00	0 01367 10001	STO	RANGE	
01352	0055	00	0 000004 10000	SIR	4	SET CONTROL FOR AJUST4
01353	0604	00	0 01571 10001	STI	BCONTL	
01354	0601	00	0 01574 10001	STO	BITER	
01355	0500	00	0 01574 10001	ITER4	BITER	
01356	0771	00	0 00001 10000	ARS	1	ITERATE IN 1/2 STEPS IN RANGE OF DB
01357	0560	00	0 01601 10001	DIFF20	0	
01360	0763	00	0 00000 10000	LCS	0	
01361	0761	00	0 00000 10000	REVER2	NOP	CHS INSERTED IF DB CHANGES INVERSELY
01362	0601	00	0 01574 10001	STO	BITER	

BINARY CARD ID. NETSIM46						
01363	0400	00	1 30063 10000	ADD	BIAS,1	TO DSUM.
01364	0020	00	0 01602 10001	TRA	AJ2	
01365	0765	00	0 00000 10000	SMALCH	LRS	0
01366	0054	00	0 000002 10000	RFT	2	SAVE SIGN
01367	0020	00	0 01373 10001	TRA	SMALC2	ON
01370	0500	00	0 04274 10001	CLA	=0010000000000	SET DB=120/, B19)
01371	0763	00	0 00000 10000	LCS	0	ATTACH SIGN OF DB

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 21

01372	0020	00	0 01341 10001	TRA	SET2	SAVE FOR NEXT INCREASE
01373	0500	00	0 01575 10001	SMALC2	CLA	DB1
01374	0400	00	1 30063 10000	ADD	BIAS,1	TRUE BIAS VALUE
01375	0140	00	0 01535 10001	TOV	TOBIG1	DOUBLE DB1
01376	0020	00	0 01602 10001	TRA	AJ2	
01377	0500	00	0 01570 10001	REVSIM	CLA	CMGSIM
01400	0054	00	0 000010 10000	RFT	10	
01401	0500	00	0 00573 10001	CLA	NOPP	
01402	0601	00	0 01262 10001	STO	REVER1	
01403	0601	00	0 01361 10001	STO	REVER2	
01404	0054	00	0 000010 10000	RFT	10	
01405	0020	00	0 01416 10001	TRA	RESET	

BINARY CARD ID. NETSIM47						
01406	0055	00	0 000010 10000	SIR	10	
01407	0604	00	0 01571 10001	STI	BCONTL	
01410	0500	00	0 01575 10001	CLA	DB1	
01411	0760	00	0 00002 10000	CHS		
01412	0601	00	0 01575 10001	STO	DB1	
01413	0767	00	0 00001 10000	ALS	1	
01414	0400	00	1 30063 10000	ADD	BIAS,1	
01415	0020	00	0 01602 10001	TRA	AJ2	
01416	0057	00	0 000010 10000	RESET	RIR	10
01417	0604	00	0 01571 10001	STI	BCONTL	ITERATE BETWEEN /2*DB1/
01420	0500	00	0 01575 10001	CLA	DB1	
01421	0760	00	0 00002 10000	CHS		
01422	0400	00	1 30063 10000	ADD	BIAS,1	
01423	0601	00	1 30063 10000	STO	BIAS,1	
01424	0500	00	0 01575 10001	CLA	DB1	
01425	0760	00	0 00002 10000	CHS		
01426	0771	00	0 00001 10000	ARS	1	
01427	0601	00	0 01575 10001	STO	DB1	
01430	0400	00	1 30063 10000	ADD	BIAS,1	

BINARY CARD ID. NETSIM48						
01431	0020	00	0 01602 10001	TRA	AJ2	
01432	0441	00	0 01571 10001	ITER	LDI	BCONTL
01433	0601	00	0 01601 10001	STO	DIFF20	
01434	0054	00	0 000004 10000	RFT	4	SAVE SIGN OF DSUM
01435	0020	00	0 01355 10001	TRA	ITER4	REDUCE LAST DB BY HALF
01436	0054	00	0 000002 10000	RFT	2	
01437	0020	00	0 01450 10001	TRA	ITER2	
01440	0056	00	0 000001 10000	RNT	1	
01441	0070	00	0 01460 10001	TRA	ITER0	AJUST HAS NOT BEEN CALLED YET
01442	0402	00	0 01572 10001	ITER1	SUB	OSUM1
01443	0560	00	0 01600 10001	LQ	DIFF10	OVERFLOW AFTER 1ST PASS OF AJUST
01444	4120	00	0 00403 10011	TAI	***	TEST FOR CORRECT DIRECTION OF CHANGE
01445	0162	00	0 00403 10011	TOP	***	
01446	0020	00	0 01377 10001	TRA	REVSIM	BOTH POSITIVE-OK
01447	0162	00	0 01377 10001	TOP	TOP	DB1 SIGN WRONG-CHANGE SIGN T
01450	0500	00	0 01575 10001	ITER2	CLA	DB1
01451	0771	00	0 00001 10000	ARS	1	REDUCE DB1 BY HALF
01452	0601	00	0 01575 10001	STO	DB1	
01453	0402	00	1 30063 10000	SUB	BIAS,1	ADJUST BIAS TO REPRESENT DB1/2

NETSIM
ASSEMBLED TEXT.

01454	0760	00	0	00002	10000	CHS		PLUS INITIAL BIAS=BIAS-DB1
01455	0055	00	0	000002	10000	SIR	2	
01456	0606	00	0	01571	10001	STI	BCONTL	
01457	0020	00	0	01662	10001	TRA	AJ2	
01460	0601	00	0	01572	10001	ITERO	STO	SAVE SIGN OF OSUM OVERFLOW
01461	0500	00	1	30063	10000	CLA	BIAS,1	
01462	4100	00	0	01500	10001	TNZ	ITERO1	1ST BIAS CHANGE THIS LEVEL
01463	0500	00	0	04024	10001	CLA	COMCT	+ COMPONENTS THIS OVERFLOW
01464	0601	00	0	01573	10001	STO	COMCT1	B(6)
01465	0500	00	0	04275	10001	CLA	-037740000000	B(9)
01466	0131	00	0	00000	10000	XCA		
01467	4754	00	0	00000	10000	PRD	0,0	
01470	0221	00	0	01573	10001	DVP	COMCT1	B(9)-B(10)=B(9),MO
01471	0763	00	0	00000	10000	LLS	3	B(6)
01472	0131	00	0	00000	10000	XCA		
01473	0560	00	0	01572	10001	LDQ	OSUM1	
01474	0763	00	0	00000	10000	LLS	0	
01475	0760	00	0	00002	10000	CHS		
01476	0601	00	0	01575	10001	STO	DB1	

BINARY CARD ID. NETSIM50

01477	0020	00	0	01602	10001	TRA	AJ2	
01500	0500	00	0	04015	10001	ITERO1	CLA	MORE OVE..FLOW
01501	0560	00	0	01572	10001	LDQ	OSUM1	TEST FOR SIGN CHANGE IN OVERFLOW
01502	4120	00	0	00403	10011	TR1	**3	
01503	0162	00	0	00403	10011	TOP	**3	SAME SIGN
01504	0020	00	0	01516	10001	TRA	TOBIG	REDUCE DB1-DIFFERENT SIGNS
01505	0162	00	0	01516	10001	TOP	TOBIG	
01506	0500	00	0	04024	10001	CLA	COMCT	SAME SIGN-COMPARE = COMP. IN SUM
01507	0360	00	0	01573	10001	CAS	COMCT1	TEST FOR DIRECTION OF CHANGE
01510	0020	00	0	01524	10001	TRA	REVS	WRONG-REVERSE SIGN OF DB1
01511	0020	00	0	01524	10001	TRA	REVS	UNDECIDED-TRY REVERSED SIGN
01512	0500	00	0	01575	10001	CLA	DB1	OK-MAKE DB1 LARGER
01513	0400	00	1	30063	10000	ADD	BIAS,1	
01514	0140	00	0	01531	10001	TOV	BSAT	
01515	0020	00	0	01602	10001	TRA	AJ2	
01516	0500	00	0	01575	10001	TOBIG	CLA	DB1
01517	0771	00	0	00001	10000	ARS	1	REDUCE DB1 BY HALF
01520	0601	00	0	01575	10001	STO	DB1	
01521	0402	00	1	30063	10000	SUB	BIAS,1	REDUCE BIAS BY HALF DB1

BINARY CARD ID. NETSIM51

01522	0760	00	0	00002	10000	CHS		
01523	0020	00	0	01602	10001	TRA	AJ2	
01524	0500	00	0	01575	10001	REVS	CLA	CHANGE SIGN OF DB1 AND
01525	0771	00	0	00001	10000	ARS	1	INCREASE THE BIAS BY TWO DB1
01526	0400	00	0	01575	10001	ADD	DB1	
01527	0601	00	0	01575	10001	STO	DB1	
01530	0020	00	0	01377	10001	TRA	REVSIN	
01531	0131	00	0	00000	10000	BSAT	XCA	
01532	0500	00	0	04275	10001	CLA	-037740000000	
01533	0763	00	0	00000	10000	LLS	0	
01534	0020	00	0	01602	10001	TRA	AJ2	
01535	0500	00	0	01575	10001	TOBIG1	CLA	DB1
01536	0771	00	0	00001	10000	ARS	1	
01537	0601	00	0	01575	10001	STO	DB1	

NETSIM
ASSEMBLED TEXT.

01540	0400	00	1	30063	10000	ADD	BIAS,1	
01541	0140	00	0	01535	10001	TOV	TOBIG1	
01542	0020	00	0	01602	10001	TRA	AJ2	
01543	0500	00	0	01575	10001	01EQ02	CLA	DB1
01544	0767	00	0	00001	10000	ALS	1	

BINARY CARD ID. NETSIM52								
01545	0601	00	0	01575	10001	STO	DB1	
01546	0400	00	1	30063	10000	ADD	BIAS,1	
01547	0140	00	0	01531	10001	TOV	TOBIG2	
01550	0020	00	0	01602	10001	TRA	AJ2	
01551	0500	00	0	04276	10001	TOBIG2	CLA	-037770000000
01552	0560	00	0	01575	10001	LDQ	DB1	
01553	0763	00	0	00000	10000	LLS	0	
01554	0601	00	0	01575	10001	STO	DB1	
01555	0020	00	0	01602	10001	TRA	AJ2	
01556	000000000000			00010		LARGE	CALL	.FWRD.(.UN06.,BIAS)
01556	0074	00	4	11400	10011			
01557	1	00002	0	00404	10011			
01560	0	04303	0	01321	10100			
01561	0	00000	0	15000	10011			
01562	0	00000	0	03644	10001			
01563	000000000000			00010		CALL	.FFIL.	
01563	0074	00	4	06400	10011			
01564	1	00000	0	00402	10011			
01565	0	04303	0	01522	10100			

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BINARY CARD ID. NETSIM53
01566 0020 00 0 01401 10011 TAA NETSIM+1
01567 0 00000 0 00000 10000 RANGE PZE 0
01570 0760 00 0 00000 10000 CMGSIM CMS
01571 0 00000 0 00000 10000 BCONTL PZE 0
01572 0 00000 0 00000 10000 OSUM1 PZE 0
01573 0 00000 0 00000 10000 COMCT1 PZE 0
01574 0 00000 0 00000 10000 BITER PZE C
01575 0 00000 0 00000 10000 DB1 PZE 0
01576 0 00000 0 00000 10000 DOSUM PZE 0
01577 0 00000 0 00000 10000 PCENTB PZE 0
01600 0 00000 0 00000 10000 DIFF1A PZE 0
01601 0 00000 0 00000 10000 DIFF2B PZE 0
01602 0601 00 1 30063 10000 AJZ STO BIAS,1
01603 0601 00 0 04227 10001 STO AAA LNK40446
01604 0441 00 0 04235 10001 LDI INDICT RESET FOR I-COMPUTED BECAUSE OF CALL TO
01605 0057 00 0 000002 10000 RIR 2 ADJUST BYPASSING STABLE **
01606 0604 00 0 04235 10001 STI INDICT
01607 0500 00 0 00604 10001 CLA BIASCH INCREMENT BIAS CHANGE COUNTER
01610 0400 00 0 04005 10001 ADD ONE

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BINARY CARD ID. NETSIM54
01611 0601 00 0 00604 10001 STO BIASCH
01612 0500 00 0 04036 10001 CLA OLDMS USE ORIGINAL MS LNK40447
01613 0601 00 1 30055 10000 STO MS,1 LNK40448
01614 0500 00 0 03661 10001 CLA KEYS TEST FOR BIAS CHANGE PRINTOUT
01615 4320 00 0 00626 10001 ANA K20 KEY 20 -- YES IF A ONE BIT
01616 0100 00 0 00722 10001 TZE ZITER
01617 000000000000 00010 AJ3 CALL BTOF(AAA,=9,AAA)

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NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 24

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01617 0074 00 4 04000 10011
01620 1 03003 0 00405 10011
01621 0 04303 0 01554 10100
01622 0 00000 0 04227 10001
01623 0 00000 0 04277 10001
01624 0 00000 0 04227 10001
01625 000000000000 00010 CALL .FWRD.(.UN06.,PCDB)'2091' LNK40450
01625 0074 00 4 11400 10011
01626 1 00002 0 00404 10011
01627 0 04303 0 04053 10100
01630 0 00000 0 15000 10011
01631 0 00000 0 03626 10001

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BINARY CARD ID. NETSIM55
01632 0500 00 0 04023 10001 CLA LEVCT LNK40451
01633 0074 00 4 15400 10011 TSX .FCNV.,4 LNK40452
01634 0500 00 0 04227 10001 CLA AAA LNK40453
01635 0074 00 4 15400 10011 TSX .FCNV.,4 LNK40454
01636 0500 00 0 01571 10001 CLA BCONTL
01637 0074 00 4 15400 10011 TSX .FCNV.,4
01640 000000000000 00010 CALL .FFIL.'2091' LNK40455
01640 0074 00 4 06400 10011
01641 1 00000 0 00402 10011
01642 0 04303 0 04053 10100
01643 0020 00 0 00722 10001 TRA ZITER RE-COMPUTE LEVEL LNK40456
* OUTUT FROM LEVEL IS ACCEPTABLE LNK40457
01644 0534 00 1 00722 10001 ACCEPT LXA LEV1,1 GET LEVEL NUMBER LNK40458
01645 0600 00 0 01577 10001 STZ PCENTB
01646 0600 00 0 01571 10001 STZ BCONTL
01647 0560 00 1 30066 10000 LDQ OVAL,1 LNK40459
01650 4773 00 0 00022 10000 RQL 18 LNK40460
01651 4500 00 1 30065 10000 CAL OFLIP,1 LNK40461
01652 4765 00 0 00022 10000 LGR 18 LNK40462
01653 0621 00 1 30066 10000 STA OVAL,1 PUT NEW OUTPUT INDEX INTO OVAL LNK40463

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BINARY CARD ID. NETSIM56
01654 4600 00 1 30065 10000 STQ OFLIP,1 OLD OVAL INDEX INTO FLIPPLOP LNK40464
01655 0074 00 4 03261 10001 TSX PRINT,4 LNK40465
* PRIT OUTPPUT FROM LEVEL LNK40466
01656 0500 00 2 30303 10000 CLA NEXT,2 CHECK FOR LAST LEVEL LNK40467
01657 0100 00 0 01665 10001 TZE ULTIM YES LNK40468
01660 0634 00 2 00723 10001 SXA LEVIR,2 SAVE BEGINNING OF NEW LEVEL LNK40469
01661 0500 00 0 04005 10001 CLA ONE INCREMENT NEW LEVEL NO FOR PRINT LNK40470
01662 0400 00 0 04023 10001 ADD LEVCT LNK40471
01663 0601 00 0 04023 10001 STO LEVCT LNK40472
01664 1 77766 1 00714 10001 TXI SAVEM,1-10 INCREMENT LEVEL AND LNK40473
* BEGIN NEW ONE LNK40474
* CONSOLIDATE OUTPUT INTO SMALLER STRING LNK40475
01665 0500 00 1 30066 10000 ULTIM CLA OVAL,1 LNK40476
01666 0737 00 1 00000 10000 PAC 0,1 LOAD PROPER OUTPUT WORD LNK40477
01667 0441 00 0 04235 10001 LDI INDICT
01670 0057 00 0 000100 10000 RIR 100
01671 0055 00 0 000200 10000 SIR 200 STRING SUMMING-OUTWO TOV SIGNAL
01672 0604 00 0 04235 10001 STI INDICT
01673 0535 00 2 00723 10001 LAC LEVIR,2 LNK40478
01674 0754 00 2 00000 10000 PXA 0,2 INDEX OF FIRST COMP IN ADDR LNK40479

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NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 25

01675	0400 00 0 04010	10001	ADD	ZNEXT		ADDRESS OF FIRST COMP IN ADDR	LNK40480
01676	0774 00 2 00000	10000	AXT	0,2		INITIALIZE STRING INDEX	LNK40481
BINARY CARD ID. NETSIM57							
01677	0600 00 2 04043	10001	ELTS	STZ	STRING,2	SET NEW STRING ELEMENT TO ZERO	LNK40482
01700	0534 00 4 04020	10001		LXA	M,4	INDEX FOR N COMPONENTS	LNK40483
01701	0421 00 0 01703	10001	NEWAD	STA	ADELT	STORE ADDRESS OF	LNK40484
01702	0421 00 0 01712	10001		STA	NELT	NEXT COMPONENT	LNK40485
01703	0500 00 1 30303	10000	ADELT	CLA	NEXT,1	ADD OUTPUT OF N COMPS	LNK40486
				QATWD	STRING,2		LNK40487
01711	0401 00 2 04043	10001		STO	STRING,2		LNK40488
01712	0500 60 0 30303	10000	NELT	CLA*	NEXT	GET NEXT ELEMENT	LNK40489
01713	0100 00 0 01717	10001		TZE	SMALL	END OF OUTPUT	LNK40490
01714	0500 60 0 01712	10001		CLA*	NELT	GET ADDRESS OF ONEXT COMPONENT	LNK40491
01715	2 00001 4 01701	10001		TIX	~*AD,4,1	ADD NEXT ELEMENT	LNK40492
01716	1 77777 2 01677	10001		TXI	ELT,2,-1	INDEX TO NEXT OUTPUT ELEMENT	LNK40493
							LNK40494
01717	0400 00 0 04035	10001		SMALL	PPROCDRE FOR FIX-FORGETS		LNK40495
01720	0500 00 0 03005	10001		CMSUM	SET COMPARISON SUM EQUAL TO ZERO		
01721	4100 00 0 02664	10001		CLA	COMBIN	TEST FOR MIXED OUTPUT SUMMING	
				TNZ	COMBI		
BINARY CARD ID. NETSIM58							
01722	0441 00 0 04235	10001		LDI	INDICT		
01723	0054 00 0 000400	10000		RFT	400		LNK40496
01724	0620 00 0 01764	10001		TRA	MSHEND+1		LNK40497
01725	0634 00 1 01763	10001		SXA	MSHEND,1		LNK40498
01726	0774 00 1 00000	10000		AXT	0,1		LNK40499
01727	0400 00 0 04114	10001		STZ	MSHCTR		LNK40500
01730	1 77777 2 00401	10011		TXI	**1,2,-1		LNK40501
01731	4634 00 2 01762	10001		SXD	MISH2,2		LNK40502
01732	0500 00 0 04114	10001	MSHLP	CLA	MSHCTR		LNK40503
01733	0400 00 0 04005	10001		ADD	ONE		LNK40504
01734	0401 00 0 04114	10001		STO	MSHCTR		LNK40505
01735	0500 00 1 04043	10001		CLA	STRING,1		LNK40506
01736	0401 00 0 04227	10001		STO	AAA		LNK40507
01737	000000000000	00010		CALL	BTDF(AAA,=6,AAA)'2151'		40508
01740	1 00003 0 00405	10011					
01741	0 04303 0 04147	10100					
01742	0 00000 0 04227	10001					
01743	0 00000 0 04300	10001					
BINARY CARD ID. NETSIM59							
01744	0 00000 0 04227	10001					
01745	000000000000	00010		CALL	.FWRD.(UN06.,MISH1)'2151'		LNK40509
01746	0074 00 4 11400	10011					
01747	1 00002 0 00404	10011					
01748	0 04303 0 04147	10100					
01750	0 00000 0 15000	10011					
01751	0 00000 0 03653	10001					
01752	0500 00 0 04114	10001		CLA	MSHCTR		LNK40510
01753	0074 00 4 15400	10011		TSX	.FCNV,4		LNK40511
01754	0500 00 0 04227	10001		CLA	AAA		LNK40512
01755	0074 00 4 15400	10011		TSX	.FCNV,4		LNK40513
01756	000000000000	00010		CALL	.FFIL.'2151'		LNK40514
01756	0074 00 4 04400	10011					

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 26

01757	1 00000 0 00402	10011					
01760	0 04303 0 04147	10100					
01761	1 77777 1 00401	10011		TXI	**1,1,-1		LNK40515
01762	3 00000 1 01732	11101	MISH2	TXH	MSHLP,1,-0-		LNK40516
	1 00001 7 00001	11010					
01763	0774 00 1 00000	10011	MSHEND	AXT	0-0,1		LNK40517
BINARY CARD ID. NETSIM60							
01764	1 00001 7 00001	11010					
01765	4634 00 2 02001	10001		SXD	OPEND,2	SET UP LOOP FOR STK,NG	LNK40518
01766	0535 00 4 27050	10000		LAC	KEY,4	GET KEY ELEMENT	LNK40519
01767	1 00001 4 00401	10011		TXI	**1,4,1		LNK40520
01767	0360 00 4 04043	10001		LCQ	STRING,4	FOR COMPARISON	LNK40521
01770	0600 00 4 04043	10001		STZ	STRING,4		LNK40522
01771	0774 00 4 00000	10000		AXT	0,4	INITIALIZE COMPARISON	LNK40523
01772	0500 00 4 04043	10001	CMP	CLA	STRING,4	TEST COMPARISON MODE	LNK40524
01773	0441 00 0 04235	10001		LDI	INDICT		
01774	0034 00 0 000400	10000		RFT	400		LNK40525
01775	0400 00 0 04035	10001		ADD	CMSUM	SUMMATION MODE-ADD ELTS	LNK40526
01776	0040 00 0 04023	10001		TLQ	FORGET	TEST FOR FIX OR FORGET	LNK40527
01777	0601 00 0 04035	10001		STO	CMSUM		LNK40528
02000	1 77777 4 00401	10011		TXI	**1,4,-1		LNK40529
02001	3 00000 4 01772	10001	OPEND	TXH	CMP,4,000	TEST FOR END OF STRING	LNK40530
02002	000000000000	00010	FIX	CALL	.FWRD.(UN06.,BCDC1)'2175'		LNK40531
02002	0074 00 4 11400	10011					
02003	1 00002 0 00404	10011					
02004	0 04303 0 04177	10100					

BINARY CARD ID. NETSIM61

02005	0	00000	0	15000	10011				
02006	0	00000	0	03667	10000				
02007	0500	00	0	03721	10001	CLA	OPSMUM		
02010	0400	00	0	04005	10001	ADD	ONE		
02011	0401	00	0	03721	10001	STO	OPSMUM		
02012	0074	00	4	15400	10011	TSX	.FCNV.,4		
02013	0500	00	0	27047	10000	CLA	INUM		LNK40532
02014	0074	00	4	15400	10011	TSX	.FCNV.,4		LNK40533
02015	000000000000			00010		CALL	.FFIL.'2175'		LNK40534
02015	0074	00	4	06400	10011				
02016	1	00000	0	00402	10011				
02017	0	04303	0	04177	10100				
02020	0500	00	0	04013	10001	CLA	FPL		LNK40535
02021	0760	00	0	00142	10000	SLM	2		LNK40536
02022	002	00	0	02045	10001	TRA	F'		LNK40537
02023	000000000000			00010		FORGET CALL	.FMRD.(.UN06.,PC001)'2184'		LNK40538
02023	0074	00	4	11400	10011				
02024	1	00002	0	00404	10011				
02025	0	03003	0	04210	10100				

BINARY CARD ID. NETSIM62

02026	0	00000	0	15000	10011				
02027	0	00000	0	03701	10001				
02030	0500	00	0	03721	10001	CLA	OPSMUM		
02031	0400	00	0	04005	10001	ADD	ONE		
02032	0401	00	0	03721	10001	STO	OPSMUM		
02033	0074	00	4	15400	10011	TS:	.FCNV.,4		

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 27

02034	0500	00	0	27047	10000	CLA	INUM		LNK40539
02035	0074	00	4	15400	10011	TSX	.FCNV.,4		LNK40540
02036	000000000000			00010		CALL	.FFIL.'2184'		LNK40541
02036	0074	00	4	06400	10011				
02037	1	00000	0	00402	10011				
02040	0	04303	0	04210	10.00				
02041	0990	00	0	00572	10001	CLA	MESSAG	INCORRECT RESPONSE COUNTER/CYCLE	
02042	0406	00	0	04271	10001	ADD	=1		
02043	0601	00	0	00572	10001	STO	MESSAG		
02044	0500	00	0	04014	10001	CLA	FMIM		LNK40542
02045	0621	00	0	02076	10001	STA	DG2		LNK40543
02046	0500	00	0	03661	10001	CLA	KEYS	TEST FOR G-WT CHANGE	
02047	0771	00	0	00004	10000	ARS	4		LNK40546

BINARY CARD ID. NETSIM63

02050	4320	00	0	04005	10001	ANA	ONE		
02051	4100	00	0	00207	10001	TNZ	SCHED		LNK40547
02052	0774	00	1	00000	10000	AXT	0,1	GET FIRST LEVEL	LNK40548
02053	0441	00	0	04235	10001	LOI	INDICT		LNK40549
02054	0057	00	0	000300	10000	RIR	300		
02055	0604	00	0	04235	10001	STI	INDICT	GSUM-TOV SIGNAL	
02056	0500	00	0	04011	10001	CLA	INEXT	INITIALIZE NETWORK ADDRESS	LNK40550
02057	0601	00	0	04012	10001	STO	NTAG2		LNK40551
02060	0621	00	0	02131	10001	STA	DG3		
02061	0621	00	0	02200	10001	STA	DG4		
02062	0621	00	0	02127	10001	STA	DG30		
02063	0621	00	0	02134	10001	STA	DG3+3		
02064	0500	00	0	04271	10001	CLA	=1		
02065	0601	00	0	02662	10001	STO	STRING	INITIALIZE STRING COUNTER	
02066	0500	00	0	04224	10001	CLA	MULEVS	INITIALIZE LEVEL COUNTER	
02067	0402	00	0	04271	10001	SUB	=1		
02070	0734	00	4	00000	10000	PAX	0,4		
02071	0100	00	0	02663	10001	TZE	ONELEV		
02072	0634	00	4	03153	10001	SXA	LVCNTR,4	SAVE LEVEL COUNTER	

BINARY CARD ID. NETSIM64

02073	0500	00	1	30066	10000	DG0	CLA	OVAL,1		LNK40552
02074	0621	00	0	02075	10001	STA	DG1	FOR THIS LEVEL		LNK40553
02075	4774	00	2	00000	10000	DG1	AXC	**0,2	GET OUTPUT INDEX	LNK40554
02076	0560	00	1	00000	10000	DG2	LDQ	**0,1	GET F VALUE (+OR-)	LNK40555
				02077			QMPYC	NTAG2,0		LNK40556
02103	0601	00	0	04037	10001	STO	FACT			LNK40557
02104	0774	00	4	00004	10000	AXT	4,4			LNK40558
02105	0634	00	4	04030	10001	SXA	GSET,4	SET UP LOOPS FOR 4 G-SETS		LNK40559
02106	4774	00	2	00013	10000	AXC	11,2			LNK40560
02107	0500	00	0	04012	10001	CLA*	NTAG2			LNK40561
02110	4734	00	4	00000	10000	PDX	0,4			LNK40562
02111	0634	00	4	02327	10001	SXA	MOPRI,4	SAVE NO. OF PRIMARY LINES(Y)		LNK40563
02112	0734	00	4	00000	10000	PAX	0,4			LNK40564
02113	0634	00	4	02175	10001	SXA	DG3,5,4	SAVE NO. OF STATE LINES(X)		LNK40566
02114	0634	00	1	04022	10001	SXA	LEVNO,1	SAVE LEVEL NUMBER		LNK40569

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 28

02115 0500 00 1 30066 10000 * CALCULATION OF MEAN OF INPUT

02116	0737	00	1	00000	10000	PAC	0,1	INDEX FOR DIRECT EFF. ADDR.		LNK40573
02117	4774	00	2	00014	10000	AXC	12,2	GET INDEX OF 1ST INPUT LINE		LNK40574
02120	0634	00	2	02176	10001	SXA	DG3,6,2	SAVE FOR FURTHER USE		LNK40575
02121	3	00000	4	02125	10001	TXH	DG30-2,4,0	DO STATE LINES		
02122	0774	00	4	00002	10000	AXT	2,4	YES- SET UP LOOP FOR		LNK40577
02123	0634	00	4	04030	10001	SXA	GSET,4	Z PRIMARY GSETS		LNK40578
02124	0020	00	0	02313	10001	TRA	DG6			LNK40579
02125	0600	00	0	04016	10001	STZ	TSUM	INITIALIZE SUM		LNK40580
02126	0600	00	0	04041	10001	STZ	N			
02127	0500	00	2	30303	10000	DG30	CLA	NEXT,2	GET LINE SIGN FOR PLUS SET TEST	
02130	4120	00	0	02150	10001	DG31	TMI	DG3,1	NO PLUS LINE SET-STATE/PRIMARY	
02131	0500	00	2	30303	10000	DG3	CLA	NEXT,2	GET LINE FOR END OF SET TEST	
02132	4120	00	0	02150	10001	TMI	DG3,1	SIGN CHANGE - TEST FOR ERROR.		
02135	0140	00	0	03231	10001	TOV	DFLOW			
02134	0500	00	2	30303	10000	CLA*	NEXT,2	GET LINE INPUT		
02135	0771	00	0	00006	10000	AMS	6	B(1) TO B(7)		
02136	4625	00	0	04113	10001	STL	OFLOC			
02137	0400	00	0	04016	10001	ADD	TSUM			
02140	0140	00	0	03231	10001	TOV	OFLOW			

BINARY CARD ID. NETSIM66

02141	0401	00	0	04016	10001	STO	TSUM
02142	0500	00	0	04041	10001	CLA	M
02143	0400	00	0	04005	10001	ADD	ONE
02144	0401	00	0	04041	10001	STO	M
02145	1	7777	2	00401	10011	TXI	++1,2,-1
02146	2	00001	4	02131	10001	TIX	DG3,4,1
02147	1	7777	4	00401	10011	TXI	++1,4,-1
02150	0500	00	0	04041	10001	CLA	M
02151	0441	00	0	04235	10001	LDI	INDICT
02152	0054	00	0	002000	10000	RFT	2000
02153	0100	00	0	02477	10001	TZE	LINERR
02154	0054	00	0	002000	10000	RFT	2000
02155	3	00000	4	02477	10001	TXM	LINERR,4,0
02156	4100	00	0	02167	10001	TNZ	DG3,2
02157	0055	00	0	002000	10000	SIR	2000
02160	0404	00	0	04235	10001	STI	INDICT
02161	0500	00	0	04030	10001	CLA	GSET
02162	0402	00	0	04005	10001	SUB	ONE
02163	0401	00	0	04030	10001	STO	GSET

LINE COUNT FOR DIVISION

REDUCES IR4 TO ZERO IF MINUS GSET FINISHED
COMPUTE MEAN FOR SET
NO LINES IN SET

NONMINUS SIGN - ERROR
MINUS GSET - TEST TO SEE FF FINISHED
IF .GT. 0, SIGN CHANGE BEFORE IND. OF MINUS
END OF GSET -- OK
SET FOR MINUS SET

INCREMENT C-VALUE INDEX AND SET COUNTER

BINARY CARD ID. NETSIM67

02164	0500	00	0	02512	10001	CLA	SPLUS
02165	0401	00	0	02132	10001	STO	DG3+1
02166	0020	00	0	02131	10001	TRA	DG3
02167	0500	00	0	04016	10001	CLA	TSUM
02170	0131	00	0	00000	10000	XCA	
02171	4754	00	0	00000	10000	PXD	0,0
02172	0221	00	0	04041	10001	DVP	M
02173	0763	00	0	00004	10000	LLS	0
02174	4400	00	0	04042	10001	STO	MEAN

CHANGE LINE SIGN TEST

NO MINUS LINES

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 29

02175	0774	00	4	00000	10000	DG3.5	AXT	++0,4
02176	0774	00	2	00000	10000	DG3.6	AXT	++0,2
02177	0400	00	0	04040	10001	STZ	GSUM	
02200	0500	60	2	30303	10000	DG4	CLA*	NEXT,2
02201	0402	00	0	04042	10001	SUB	MEAN	
02202	0131	00	0	00000	10000	XCA		
				02203		ONPYF	DT,0	

NUMBER OF INPUT LINES
INDEX OF NEXT INPUT LINE
INITIALIZE SUM OF G-WEIGHTS
GET NEXT INPUT
(X-MEAN)

LNK40595
LNK40596
LNK40597
LNK40598
LNK40599
LNK40600
LNK40601
LNK40602

BINARY CARD ID. NETSIM68

02207	0131	00	0	00000	10000	XCA	
02210	0140	00	0	00401	10011	TOV	++1
02211	4425	00	0	04113	10001	STL	OFLOC
02212	0200	00	0	04037	10001	MPY	FACT,0
				02213		JADDD	NTAG2,0

LNK40603
LNK40604
LNK40605
LNK40606
LNK40609

BINARY CARD ID. NETSIM69

02240	0131	00	0	00000	10000	XCA	
02241	4620	60	0	04012	10001	SLQ*	NTAG2
02242	0131	00	0	00000	10000	XCA	
02243	0760	00	0	00003	10000	SSP	
02244	0441	00	0	04235	10001	LDI	INDICT
02245	0054	00	0	001000	10000	RFT	1000
02246	0074	00	7	02522	10001	TSX	SOQWT,7
				02247		QATWD	GSUM,0
02254	0401	00	0	04040	10001	STO	GSUM

STORE NEW G-WEIGHT

ADD TO SUM OF G-WEIGHTS

LNK40610
LNK40611
LNK40612
LNK40613

BINARY CARD ID. NETSIM70

02255	1	7777	2	00401	10011	TXI	++1,2,-1
02256	0500	60	0	04012	10001	CLA*	NTAG2
02257	0441	00	0	04235	10001	LDI	INDICT
02260	0054	00	0	002000	10000	RFT	2000
02261	0020	00	0	00402	10011	TRA	++7
02262	4120	00	0	02265	10001	TMI	DIFF1
02263	2	00001	4	02200	10001	TIX	DG4,4,1
02264	0020	00	0	02303	10001	TRA	DIFF2
02265	4625	00	0	02476	10001	STL	NTRA
02266	0020	00	0	02334	10001	TRA	NORM
02267	0774	00	4	00000	10000	AXT	++4
02270	6	00001	4	02307	10001	TNX	DG5,4,1
02271	0434	00	4	02175	10001	SXA	DG3,5,4
02272	0441	00	0	04235	10001	LDI	INDICT
02273	0055	00	0	002000	10000	SIR	2000
02274	0404	00	0	04235	10001	STI	INDICT
02275	0500	00	0	02512	10001	CLA	SPLUS
02276	0401	00	0	02132	10001	STO	DG3+1
02277	0400	00	0	04041	10001	STZ	M

CHECK FOR NEG. G-SET

ON- DO NOT TEST
OFF-TEST
GET NEXT INPUT LINE
END OF STATE (OR PRIMARY) LINE
END OF POSITIVE G-SET
NORMALIZE G-WEIGHTS

SAVE IR4

TEST FOR END OF X OR Y LINES

NO-SET SW FOR NEG G-SET

CHANGE LINE SIGN TEST

LNK40616
LNK40617
LNK40618
LNK40619
LNK40620
LNK40621
LNK40622
LNK40623
LNK40624
LNK40625
LNK40626
LNK40627
LNK40628
LNK40629
LNK40630

BINARY CARD ID. NETSIM71

02300	0600	00	0	04016	10001	STZ	TSUM
02301	0522	00	0	02176	10001	XEC	DG3,6
02302	0020	00	0	02131	10001	TRA	DG3
02303	0057	00	0	002000	10000	RIR	2000
02304	0404	00	0	04235	10001	STI	INDICT
02305	4625	00	0	02476	10001	STL	NTRA
02306	0020	00	0	02334	10001	TRA	NORM

GET NEXT INPUT LINE FOR MEAN
DO MINUS LINES
END OF NEG G-SET

NORMALIZE G-WEIGHTS

02307	0534	00	4	04030	10001	DGS	LXA	CSET,4	TEST FOR END	LNK40631
02310	0500	00	0	02513	10001	CLA	SMINUS		RESET LINE SIGN TEST	LNK40632
02311	0601	00	0	02132	10001	STO	DG3+1			
02312	6	00001	4	02604	10001	TRX	ELEND,4..		OF COMPONENT	LNK40633
02313	0534	00	1	04022	10001	DG6	LXA	LEVND,1	LEVEL NUMBER	LNK40634
02314	1	77776	1	00401	10011	TXI	++1,1,-2		GET INDEX OF F(1)	LNK40635
02315	0522	00	0	02076	10001	XEC	DG2		LDO F(1)	LNK40637
02316	0522	00	0	02075	10001	XEC	DG1		GET INDEX OF /	LNK40638
				02317		QMPYC	NTAG2,G		FXO	LNK40639
* END OF X OR Y LINES										
* PREARE (FFXO) FOR PRIMARY INPUT										
* END OF A G-SET. THIS ROUTINE WILL NORMALIZE										
* THE G-WEIGHTS IN A G-SET.										
BINARY	CARD ID.	NETSIM72								
02323	0401	00	0	04037	10001	STO	FACT			LNK40640
02324	0534	00	1	04022	10001	LXA	LEVND,1		LEVEL NUMBER	LNK40641
02325	0500	00	1	30054	10000	CLA	DVAL-10,1		INDEX FOR OUTPUT OF	LNK40642
02326	0777	00	1	00000	10000	PAC	0,1		PREVIOUS LEVEL(PRIMARY)/P)	LNK40643
02327	0774	00	4	00000	10000	NOPRI	ART	++0,4	NUMBER OF PRIMARY LINES	LNK40644
02330	7	00000	4	02604	10001	TRX	ELEND,4,0		TEST FOR ZERO PRIMARY LINES	LNK40645
02331	0474	00	4	02175	10001	SXA	DG3,5,4		SAVE Y FOR 2ND LOOP	LNK40646
02332	0522	00	0	02176	10001	XEC	DG3,6		GET INDEX OF NEXT I/P LINE	LNK40648
02333	0020	00	0	02125	10001	TRA	DG30-2		PROCESS DG FOR PRIMARY LINES	LNK40650
02334	4634	00	2	02403	10001	NORM	SXD	NORM1,2	SAVE INPUT OF NEXT I/P LINE	LNK40651
02335	4634	00	2	02466	10001	SXD	NORM4,2			LNK40652
02336	0634	00	4	02267	10001	SXA	DIFF1+2,4	SAVE	TR4	LNK40653
02337	0534	00	2	04030	10001	NM	LXA	GSET,2		LNK40654
02340	1	77770	2	00401	10011	TXI	++1,2,-8		GET INDEX OF CORRECT	LNK40655
02341	0500	00	0	04012	10001	CLA	NTAG2		CONSTANT FOR SUM OF G S	LNK40656
02342	0402	00	0	04040	10001	SUB	GSUM		GET CONSTANT SUM	LNK40657
02343	4340	00	0	04021	10001	LAS	1010		COMPARE WITH COMPUTED SUM	LNK40658
02344	0020	00	0	00403	10011	TRA	++3		IF DIFFERENCE IS SMALL,	LNK40659
02345	0020	00	0	02470	10001	TRA	NORM5		GS ARE NORMALIZED	LNK40660
* COMPUTE SUM OF UNSATURATED G S										
BINARY	CARD ID.	NETSIM73								
02346	0620	00	0	02470	10001	TRA	NORM5			LNK40661
02347	0601	00	0	04032	10001	STO	DIFF		STORE DIFFERENCE	LNK40662
02350	0765	00	0	00000	10000	LRS	0		SAVE SIGN OF DIFFERENCE	LNK40663
02351	0522	00	0	02176	10001	XEC	DG3,6		GET FIRST INPUT LINE OF G-SET	LNK40664
02352	0400	00	0	04040	10001	STZ	GSUM			LNK40665
02353	0600	00	0	02603	10001	STZ	NUGWTS		RESET G COUNTER OFR DG NORM OPERATION	LNK40666
02354	0500	60	0	04012	10001	UNSAT	CLA	NTAG2	CHECK G-WT FOR	LNK40667
02355	4320	00	0	04007	10001	ANA	MASK		SATURATION	LNK40668
02356	0340	00	0	30053	10000	CAS	GSAT			LNK40669
02357	0162	00	0	02402	10001	TOP	INCR		IF DIFF IS +, SATURATED	LNK40670
02360	0162	00	0	02402	10001	TOP	INCR			LNK40671
02361	4100	00	0	00403	10011	TNZ	++3		BELOW SAT. VALUE, UNSAT IF NON-ZERO	LNK40672
02362	0162	00	0	00402	10011	TOP	++2		G-WT ZERO, DIFF +, UNSATURATED	LNK40673
02363	0020	00	0	02402	10001	TRA	INCR		DIFF -, G-WT IS ZERO, SATURATED	LNK40674
02364	0601	00	0	03573	10001	STO	SGWT			
02365	0500	00	0	02603	10001	CLA	NUGWTS		COUNT OF GS IN SUM	
02366	0400	00	0	04271	10001	ADD	=1			
02367	0601	00	0	02603	10001	STO	NUGWTS			
02370	0441	00	0	04235	10001	LDI	INDICT			

BINARY	CARD ID.	NETSIM74								
02371	0054	00	001000	10000	RFT	1000				
02372	0074	00	7	02522	10001	TSX	SGWT,7			
02373	0500	00	C	03573	10001	CLA	SGWT			
02401	0601	00	0	04040	10001	QATWO	GSUM,0		UNSATURATED--ADD TO SUM	LNK40675
02402	1	77777	2	00401	10011	STO	GSUM			LNK40676
02403	3	00000	2	02354	10001	INCR	TXI	++1,2,-1		LNK40677
02404	0500	00	0	04040	10001	NORM1	TRX	UNSAT,2,++0		LNK40678
02405	0601	00	0	03155	10001	CLA	GSUM			LNK40683
02406	0600	00	0	04040	10001	STO	GSUM1			
02407	0522	00	0	02176	10001	STZ	GSUM			LNK40685
02410	0500	60	0	04012	10001	KEC	DG3,6		INDEX OF FIRST I/P LINE	LNK40686
02411	4320	00	0	04007	10001	NORM2	CLA	NTAG2		LNK40687
02412	0560	00	0	04032	10001	ANA	MASK			LNK40688
02413	0340	00	0	30053	10000	LDO	DIFF		GET SIGN OF DIFFERENCE	LNK40689
02413	0340	00	0	30053	10000	CAS	GSAT		COMPARE WITH SATURATION PT.	LNK40690
BINARY	CARD ID.	NETSIM75								
02414	0162	00	0	02457	10001	TOP	NORM3		SATURATED	LNK40691
02415	0162	00	0	02457	10001	TOP	NORM3		SATURATED	LNK40692
02416	4100	00	0	00403	10011	TNZ	++3		UNSAT	LNK40693
02417	0162	00	0	00402	10011	TOP	++2		UNSAT	LNK40694
02420	0020	00	0	02457	10001	TRA	NORM3		SAT	LNK40695
02421	0560	00	0	04004	10001	LDO	ZERO		UNSATURATED--ADJUST	
02422	0441	00	0	04235	10001	LDI	INDICT			
02423	0054	00	001000	10000	RFT	1000				
02424	0074	00	7	02533	10001	TSX	DLTSQG,7			
02425	0765	00	0	00006	10000	LRS	6		P(7)	
02426	0221	00	0	03155	10001	DVP	GSUM1		(H6) ALWAYS GREATER THAN GWT-B(0)	
02427	0760	00	0	00012	10000	DCT				
02430	0074	00	6	02576	10001	TSX	GNG,6			
02431	0200	00	0	04032	10001	MPY	DIFF		P(6)*B(0) = B(6)	
02432	0763	00	0	00006	10000	LLS	6		P(1) D-GWT	
02433	0401	60	0	04012	10001	ADM	NTAG2		ADD INCREMENT	LNK40698
02434	4140	00	0	00403	10011	TNO	++3		GWT IS REAL NOT MODULAR	
02435	4120	00	0	02445	10001	TMI	SETOZE			
02436	0500	00	0	30053	10000	CLA	GSAT			

BINARY CARD ID.	NETSINT6						
02437	4120 00 0 02445	10001		TRM	SETOZE		
02440	4120 00 0 04007	10001	CONT	ANA	MASA		
02441	0340 00 0 30053	10000		CAS	GSAT	IS NEW C OVER SATURATED	LHM40703
02442	0340 00 0 30053	10000		CLA	GSAT	YES-SET TO MAXIMUM	LHM40701
02443	0820 00 0 00403	10011		TRA	TRA	EQUAL TO MAX	LHM40702
02444	0120 00 0 00402	10011		TPL	TRA	TEST FOR ZERO	LHM40703
02445	4750 00 0 00000	10000		SETOZE	PRD		
02446	0750 00 0 04012	10001		LLS	NTAG2	RECOVER ORIGINAL SIGN	LHM40705
02447	0763 00 0 00000	10000		REA	LLS		LHM40706
02450	0131 00 0 00000	10000		SLD	NTAG2	STORE NEW C VALUE	LHM40708
02451	4420 00 0 04012	10000		SCA			LHM40709
02452	0131 00 0 00000	10000		SSP			LHM40710
02453	0760 00 0 00003	10000		LBI	INDICT		
02454	0441 00 0 04235	10001		RPT	1000		
02455	0054 00 0 001000	10000		TSX	SOGMT,7		
02456	0074 00 7 02522	10001	NORM3	DATMO	CSUM,0	ADD TO NEW SUM	LHM40711

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 32

BINARY CARD ID.	NETSINT7						
02464	0401 00 0 04040	10001		STO	CSUM		
02465	1 77777 2 00401	10011		TRM	==1.2,-1		
02466	3 00000 2 02410	10001	NORM4	TRA	NORM2...==0	TEST FOR END OF G-SET	LHM40712
02467	0820 00 0 02337	10001		TRA	RM	YES-TEST NORMALIZATION	LHM40713
02470	4534 00 2 02403	10001	NORM5	LSD	NORM1,2	STORE INDEX OF NEXT I/P LINE	LHM40715
02471	0634 00 2 02176	10001		SXA	DG3,0,2	WORK ON NEXT G-SET	LHM40717
02472	0500 00 0 04030	10001		CLA	GSET		LHM40718
02473	0402 00 0 04005	10001		SUB	ONE		LHM40719
02474	0401 00 0 04030	10001		STO	GSET		LHM40720
02475	4774 00 2 00001	10000		ANC	1,2		LHM40721
02476	0420 00 2 00000	10000	NTRA	TRA	==0,2	RETURN	LHM40722
02477	00000000000	00010	LINRR	CALL	.FUND.L.LUNDB.L.LINRR		
02500	1 00002 0 00404	10011					
02501	0 04733 0 02427	10100					
02502	0 00000 0 15000	10011					
02503	0 00000 0 02514	10000					

BINARY CARD ID.	NETSINT8						
02504	00000000000	00010		CALL	.FFIL.		
02505	0074 00 4 04400	10011					
02506	1 00000 0 00402	10011					
02507	0 04303 0 02430	10100					
02508	00000000000	00010		CALL	EXIT		
02509	0074 00 4 03400	10011					
02510	1 00000 0 00402	10011					
02511	0 04303 0 02431	10100					
02512	0120 00 0 02150	10001	SPLUS	TPL	DG3,1	TEST FOR END OF MINUS GSET	
02513	4120 00 0 02150	10001	SMINUS	THI	DG3,1	TEST FOR END OF PLUS GSET	
02514	740211300124	10000	LINRR	DCI	0.(20MIDG LINE SIGN OR COUNT ERROR.)		
02515	27404314525	10000					
02516	806231274540	10000					
02517	44510234444	10000					
02520	454300255151	10000					
02521	445133344040	10000					
02522	0131 00 0 00000	10000	SOGMT	ICA	NTAG2	SQUARE GWEIGHT	
02523	0200 00 0 04012	10001		MPY	==1		
02524	0140 00 0 00401	10011		TOV			

BINARY CARD ID.	NETSINT9						
02525	0771 00 0 00004	10000		ARS	4	R(21)--B(16)	
02526	4425 00 0 04113	10001		STL	DFLOC		
02527	0760 00 0 00003	10000		SSP			
02530	0400 00 0 04040	10001		ADD	CSUM	R(1)	
02531	0140 00 0 03231	10001		TOV	OFLOW		
02532	0070 00 7 00006	10000		TRA	6,7		
02533	0560 00 0 04012	10001	DLSOG	LDO	NTAG2	R(1)	
02534	0200 00 0 04012	10001		MPY	NTAG2	P(2) GWEIGHT SQUARED	
02535	0401 00 0 04227	10001		STO	AAA	SAVE OLD GWT SQUARED	
02536	0765 00 0 00006	10000		LRS	6		
02537	0221 00 0 03155	10001		DVP	GSUM1	R(1)/B(16) = B(2)	
02540	0760 00 0 00012	10000		DCT			
02541	0074 00 6 02576	10001		TSX	GNG,6		
02542	0200 00 0 04032	10001		MPY	DIFF	R(1)R(2)	
02543	0763 00 0 00306	10000		LLS	6	R(2)	

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 33

02544	0140 00 0 00401	10011	TOV	==1		
02545	0400 00 0 04227	10001	SDO	AAA	DELTA GWT SQ + OLD GWT SQ	
02546	4425 00 0 04113	10001	STL	DFLOC		
02547	0140 00 0 03231	10001	TOV	OFLOW		

BINARY CARD ID.	NETSINT0						
02550	4120 00 0 02445	10001		TRM	SETOZE		
02551	0401 00 0 04227	10001		STO	AAA		
02552	0634 00 4 02574	10001		SXA	SAVFOR,4		
02553	00000000000	00010		CALL	BTDF(AAA,=2,AAA)	CHANGE TO FLOAT/INT-POINT	
02554	0074 00 4 04000	10011					
02555	1 00003 0 00405	10011					
02556	0 04303 0 02446	10100					
02557	0 00000 0 04227	10001					
02558	0 00000 0 04301	10001					
02560	0 00000 0 04227	10001					
02561	00000000000	00010		CALL	SORT(AAA)	GET SQUARE ROOT	
02562	0074 00 4 12000	10011					
02563	1 00001 0 00403	10011					
02564	0 04303 0 02467	10100					
02565	0 00000 0 04227	10001					
02566	0401 00 0 04227	10001		STO	AAA		
02567	00000000000	00010		CALL	BPOINT(AAA,=1)	CHANGE TO BINARY POINT	
02568	0074 00 4 02000	10011					
02569	1 00002 0 00404	10011					

BINARY CARD ID.	NETSIN01									
02570	0 04303 0 02471	1000								
02571	0 00000 0 04227	10001								
02572	0 00000 0 04271	10001								
02573	0500 00 0 04227	10001								
02574	0774 00 4 00000	10000	SAVFOR	CLA	AAA	DELTA WEIGHT				
02575	0020 00 0 02440	10001		ART	00,4					
02576	4754 00 0 00300	10000	CWG	TRA	COM1	CONTINUE				
02577	0560 00 0 04302	10001		PRD	0,0					
02600	0221 00 0 02603	10001		LDD	-02000000000000	16111				
02601	0140 00 0 00401	10011		DVP	NUMPTS					
02602	0020 00 0 00001	10000		TOV	00,1					
02603	0 00000 0 00000	10000		TRA	1,0					
				NUMPTS PZE	0					
				* BE COMPUTATIONS FOR A COMPONENT ARE						LNK40726
				* FINISHED. GET NEXT COMPONENT.						LNK40727
02604	0774 00 2 00000	10000	ELEND	ART	0,2	GET ADDRESS OF NEXT			LNK40728	
02605	0441 00 0 04235	10001		LDI	INDICT					
02606	0057 00 00*200	10000		RIR	200	1ST COMP TEST --PUMP				
02607	0004 00 0 04235	10001		STI	INDICT					
02610	0500 00 0 04012	10001		CLA	NUMG2	COMPONENT INITIALIZE			LNK40729	
02611	0421 00 0 04012	10001		STA	NUMG2	LOCATION USING IT			LNK40730	
02612	0421 00 0 02131	10001		STA	DC3				LNK40731	

BINARY CARD ID.	NETSIN02								
02613	0421 00 0 02127	10001		STA	DC30				
02614	0421 00 0 02134	10001		STA	DC303				
02615	0421 00 0 02200	10001		STA	DC4				LNK40732
02616	0534 00 1 04022	10001		LXA	LENUM,4				LNK40733
02617	0500 00 0 04012	10011		CLA	NUMG2	TEST FOR END OF LEVEL			LNK40734
02620	0441 00 0 04235	10001		LDI	INDICT				

NETSIN
ASSEMBLED TEXT.

6/14/66

PAGE 34

02621	0054 00 004000	10000		RFT	4000	TEST FOR LAST LEVEL OPERATION			
02622	0020 00 0 03154	10001		TRA	NUMST	YES-GO TO LAST LEVEL CONTROL PROGRAM			
02623	0120 00 0 02073	10001		FPL	DC0				
02624	0534 00 4 03153	10001		LXA	LVCNTR,4	LEVEL COUNTER			LNK40735
02625	0 00001 4 02627	10001		TRX	LASLEV,4,1	START LAST LEVEL OPERATION			
02626	1 77744 1 02072	10001		FRI	DC0-1,1,-10	INDEX TO NEXT LEVEL INFORMATION			
02627	0055 00 004000	10000	LASLEV	SIR	4000	NORMALIZE LAST LEVEL			
02630	0404 00 0 04235	10001		STI	INDICT				
02631	1 77744 1 00401	10011		FRI	001,1,-10	INCREMENT LEVEL INFORMATION INDEX			
02632	0500 00 0 03035	10001	NESTR	CLA	COMBIN	TEST FOR COMBINATIONS OF STRINGS			
02633	0100 00 0 02644	10001		TZE	NESTR1	NO COMBINATIONS OF STRINGS			
02634	0500 00 0 02642	10001		CLA	STRIND				
02635	0421 00 0 02640	10001		STA	KEYST	NEXT STRING NUMBER			

BINARY CARD ID.	NETSIN03								
02637	0540 00 5 00000	10001	MIXED1	ART	00,5	GET FIX MASK			
02640	4763 00 0 00000	10000	KEYST	LGL	00	SHIFT KEY BIT TO AC1351			
02641	4320 00 0 04005	10001		ANA	ONE				
02642	0100 00 0 02650	10001		TZE	OLDF	OFF-STRING NOT IN MASK			
02643	0020 00 0 02652	10001		TRA	NEWF	CM-			
02644	0500 00 0 02642	10001	NESTR2	CLA	STRIND	1ST/NEXT STRING			
02645	0340 00 0 27050	10000		CAS	KEY	NO. OF CONTRIBUTING GROUP			
02646	0020 00 0 00402	10011		TRA	00,2	NON-CONTRIBUTING GROUP FRIN			
02647	0020 00 0 02652	10001		TRA	NEWF	CONTRIBUTING GROUP FPLS			
02650	0500 00 0 04014	10001	OLDF	CLA	FRIN	NON-CONTRIBUTING STRING			
02651	0020 00 0 00402	10011		TRA	00,2				
02652	0500 00 0 04013	10001	NEWF	CLA	FPL	CONTRIBUTING GROUP			
02653	0421 00 0 02076	10001		STA	DC2				
02654	0500 00 0 04026	10001		CLA	N	NO. OF COMPONENTS IN GROUP			
02655	0401 00 0 04114	10001		STO	NSNCTR				
02656	0500 00 0 02642	10001		CLA	STRIND	INCREMENT STRING NO. FOR NEXT TEXT			
02657	0400 00 0 04271	10001		ADD	=1				
02660	0401 00 0 02642	10001		STO	STRIND				

BINARY CARD ID.	NETSIN04								
02661	0020 00 0 02073	10001		TRA	DC0	START NORMALIZATION OF THIS GROUP			
02662	0000000000001	10000	STRIND	DEC	1				
02663	0600 00 0 03153	10001	ONELEV	STZ	LVCNTR				
02664	0774 00 1 00012	10000		ART	10,1				
02665	0020 00 0 02627	10001		TRA	LASLEV				
02666	0535 00 5 03005	10001	COMB1	LAC	COMBIN,5	* OF OUTPUT COMBINATIONS			
02667	4634 00 5 02713	10001		SXD	COMB4,5				
02670	4634 00 5 02747	10001		SXD	COMB6,5				
02671	4634 00 5 02763	10001		SXD	COMB9,5				
02672	0774 00 5 00000	10000		ART	0,5	KEYCOMP COUNTER			
02673	0774 00 6 00000	10000		ART	0,6	STRING COUNTER			
02674	0774 00 7 00022	10000	COMB2	ART	10,7	MASK SHIFT COUNTER (10 MAX)			
02675	0540 00 5 03006	10001		LDD	KEYCOM,5	GET MASK			
02676	4754 00 0 00000	10000	COMB3	PRD	0,0	CLEAR AC			
02677	4763 00 0 00000	10000		LGL	1	TEST 1ST/NEXT BIT			
02700	0100 00 0 02705	10001		TZE	COMB31				
02701	0500 00 6 04043	10001		CLA	STRIND,6	ON-ADD TO KEYCOM OUTPUT			
02702	0400 00 0 04035	10001		ADD	CNSUM	0161			
02703	0401 00 0 04035	10001		STO	CNSUM				

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 35

BINARY	CARD ID.	NETSIM85						
02704	0140	00	0	02765	10001	TOM	TOMANY	
02705	1	7777	6	00401	10011	COMB31	TXI	**1,6,-1
02706	2	00001	7	02676	10000		FIX	COMB3,7,1
02707	0771	00	0	00022	10000		ARS	10
02710	06,1	00	5	03006	10001		STA	KEYCOM,5
02711	0600	00	0	04035	10001		STZ	CMSUM
02712	1	7777	5	00401	10011		TXI	**1,5,-1
02713	3	00700	5	02674	10001	COMB4	TXM	COMB2,5,00
02714	0600	00	0	04114	10001		STZ	MSMCTR
02715	0774	00	5	00000	10000		ART	0,5
02716	0500	00	0	04114	10001	COMB5	CLA	MSMCTR
02717	0400	00	0	04000	10001		ADD	ONE
02720	0601	00	0	04114	10000		STO	MSMCTR
02721	0534	00	5	03006	10001		LXA	KEYCOM,5
02722	0600	00	0	04227	10000		STZ	AAA
02723	4634	00	5	04227	10000		SKD	AAA,5
02724	000000000000			00010		CALL	BTDF(AAA,=6,AAA)	C(Y13-17 GIVES B(4) TO B(6))
02724	0074	00	4	04000	10011			
02725	1	00003	0	00405	10011			

BINARY	CARD ID.	NETSIM86						
02726	0	04303	0	02625	10,00			
02727	0	00000	0	04227	10001			
02730	0	00000	0	04300	10000			
02731	0	00000	0	04227	10001			
02732	000000000000			00010		CALL	.FWRD.(,UN06,,MISM1)	
02732	0074	00	4	11403	10011			
02733	1	00002	0	00404	10011			
02734	0	04303	0	02624	10,00			
02735	0	00000	0	15000	10011			
02736	0	00000	0	03653	10001			
02737	0500	00	0	04114	10001	CLA	MSMCTR	
02740	0074	00	4	15400	10011	TSX	.FCMV,4	
02741	0500	00	0	04227	10000	CLA	AAA	
02742	0074	00	4	15400	10011	TSX	.FCMV,4	
02743	000000000000			00010		CALL	.FFIL.	
02743	0074	00	4	04400	10011			
02744	1	00000	0	00402	10011			
02745	0	04303	0	02633	10,00			
02746	1	77777	1	00401	10011	TXI	**1,1,-1	

BINARY	CARD ID.	NETSIM87						
02747	3	00000	1	02716	10001	COMB6	TXM	COMB5,1,00
02750	0535	00	4	27050	10000	LAC	KEY,4	TEST FOR MORE KEYCOM5
02751	1	00001	4	00401	10011	TXI	**1,4,0	KEY OUTPUT VALUE INDEX
02752	0634	00	4	02636	10001	SXA	MIXED1,4	
02753	0500	00	4	03006	10001	CLA	KEYCOM,4	KEY OUTPUT VALUE
02754	0734	00	5	00000	10000	PAX	0,5	
02755	4634	00	5	02761	10001	SKD	COMB0,5	
02756	0774	00	4	00000	10000	ART	0,4	
02757	0500	00	4	03006	10000	COMB7	CLA	KEYCOM,4
02760	0734	00	6	00000	10000	PAX	0,6	
02761	3	00000	4	02023	10000	COMB8	TXM	FORGET,6,00
02762	1	77777	4	00401	10011	TXI	**1,4,-1	TEST FOR GREATER OUTPUT -YES INCORRECT
02763	3	00000	4	02757	10001	COMB9	TXM	COMB7,4,00
								NO -TEST FOR MORE KEYCOM5

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 36

02764	00,0	00	0	02002	10000	TRA	FIX	OUTPUT CORRECT
02765	000000000000			00010		TOMANY	CALL	.FWRD.(,UN06,,TOM)
02765	0074	00	4	11400	10011			
02766	1	00002	0	00404	10011			
02767	0	04303	0	02633	10,00			
02770	0	00000	0	15000	10011			

BINARY	CARD ID.	NETSIM88						
02771	0	00000	0	02776	10000			
02772	000000000000			00010		CALL	.FFIL.	
02772	0074	00	4	04400	10011			
02773	1	00000	0	00402	10011			
02774	0	04303	0	02634	10,00			
02775	0020	00	0	01401	10011			
02776	740303306063			10000		TOM	TRA	NETSIM*1
02777	46044214570			10000		BCI		7,(13M TO MANY STRINGS FOR COMB OPTION.)
03000	406263513145			10000				
03001	276260264651			10000				
03002	402346442260			10000				
03003	464763314645			10000				
03004	333460606060			10000				
03005	0	00000	0	00000	10000	COMBIN	PZE	0
03006	20000000144			00001		KEYCOM	BSS	100
03152	200000000000			00001		DGVALU	BSS	1
03153	200000000000			00001		LVCNTR	BSS	1
03154	0	00000	0	00000	10000	ABICAD	PZE	0
03155	200000000001			00000		GSUM1	BSS	1

BINARY	CARD ID.	NETSIM89						
03156	0100	00	0	03164	10001	NWST	TZE	EXNWST
03157	0500	00	0	04114	10000	CLA	MSMCTR	END OF LAST LEVEL
03160	0402	00	0	04271	10000	SUB		MAKE COMPONENTS THIS LEVEL
03161	0601	00	0	04114	10000	STO	MSMCTR	INCREMENT INDEX FOR NO. OF COMP. THIS GROUP
03162	4100	00	0	02073	10001	TNZ	DGO	
03163	0020	00	0	02632	10000	TRA	NESTER	CONTINUE THIS GROUP
03164	0057	00	0	00400	10000	EXNWST	RIR	START NEW GROUP
03165	0604	00	0	04235	10000	STI		
03166	000000000000			00010		GWPRT	CALL	GPRT(MPR,GWPC,CNTR,NEXT,OPSNUM)
03166	0074	00	4	03000	10011			
03167	1	00005	0	00407	10011			
03170	0	04303	0	02675	10,00			
03171	0	00000	0	00613	10001			
03172	0	00000	0	00614	10001			
03173	0	00000	0	00615	10001			
03174	0	00000	0	00303	10000			
03175	0	00000	0	03721	10001			
03176	0441	00	0	04235	10001	LDI	INDICT	
03177	00	0	0	00207	10001	TRA	SCHE1	

LNR40746

BINARY	CARD ID.	NETSIM90					
03200	000000000200	10000	C128	DEC	128		LNK40743
03201	0634 00 2 03224	10001	WRES	SXA	SAV2,2		LNK40747
03202	0500 00 0 03721	10001		CLA	OPSNUM		LNK4A
03203	0767 00 0 00022	10000		ALS	18		
03204	0622 00 0 30047	10000		STD	SKIP		
03205	000000000000	00010		CALL	WRTNET(SKIP,NETTAP,NETMAX)		LNK40748

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 37

03205	0074 00 4 06000	10011					
03206	1 00003 0 00405	10011					
03207	0 04303 0 02705	10,00					
03210	0 00000 0 30047	10000					
03211	0 00000 0 04225	10001					
03212	0 00000 0 04234	10001					
03213	000000000000	00010		CALL	.FPRN.(RBCD)'2423'		LNK40749
03213	0074 00 4 05000	10011					
03214	1 00001 0 00403	10011					
03215	0 04303 0 04567	10,00					
03216	0 00000 0 03731	10001					
03217	000000000000	00010		CALL	.FFIL.		LNK40750
03217	0074 00 4 06400	10011					

BINARY	CARD ID.	NETSIM91					
03220	1 00000 0 00402	10011					
03221	0 04303 0 02707	10100					
03222	0760 00 0 00162	10000		SWT	2		
03223	0020 00 0 01401	10011		TRA	NETSIM+1		
03224	0774 00 2 00000	10011	SAV2	AXT	*-0,2		LNK40752
	1 00001 7 00001	11010					
03225	0441 00 0 04235	10001		LDI	INDICT		
03226	0020 00 0 00207	10001		TRA	SCHED		LNK40753
03227	0500 00 0 04000	10001	SETSW	CLA	ONE	QATWG OVERFLOW SIGNAL	
03230	0601 00 0 03260	10001		STO	QADTO		
03231	000000000000	00010	OFLOW	CALL	.FWRD.(UNO6.,(RBCD)'2435'		LNK40754
03231	0074 00 4 11400	10011					
03232	1 00002 0 00464	10011					
03233	0 04303 0 04603	10100					
03234	0 00000 0 15000	10011					
03235	0 00000 0 04252	10001					
03236	0500 00 0 04113	10001		CLA	OFLOC		LNK40755
03237	0074 00 4 15400	10011		TSX	.FCNV.,4		LNK40756
03240	000000000000	00010		CALL	.FFIL.'2435'		LNK40757

BINARY	CARD ID.	NETSIM92					
03240	0074 00 4 06400	10011					
03241	1 00000 0 00402	10011					
03242	0 04303 0 04603	10100					
03243	0500 00 0 03260	10001		CLA	QADTO		
03244	0100 00 0 00407	10011		TZE	*+7		
03245	0441 00 0 04235	10001		LDI	INDICT		
03246	0054 00 0 000100	10000		RFT	100		
03247	0070 00 0 03255	10001		TRA	BIADJ	LEVEL SUM OVERFLOW-ADJUST BIAS	
03250	0054 00 0 000200	10000		RFT	200		
03251	0020 00 0 00401	10011		TRA	*+1		
03252	0020 00 0 00401	10011		TRA	*+1		
03253	0420 00 0 00401	10011		HPR	*+1		
03254	0020 00 0 00401	10011		TRA	*-1		LNK40759
03255	0500 00 0 04015	10001	BIADJ	CLA	OSUM		
03256	0600 00 0 03260	10001		STZ	QADTO		
03257	0020 00 0 01432	10001		TRA	ITER		
03260	0 00000 0 00000	10000		QADTO	PZE		
03261	0634 00 4 03570	10001		PKINT	SXA	PRTRA,4	LNK40760
03262	0534 00 1 00772	10001		LXA	LEV1,1	LEVEL INDEX	LNK40763

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 38

BINARY	CARD ID.	NETSIM93					
03263	0634 00 2 03566	10001		SXA	PR2,2		
03264	0634 00 1 03567	10001		SXA	PR2+1,1		
03265	000000000000	00010		CALL	.FWRB.(UNO3.)		LNK40764
03265	0074 00 4 11000	10011					
03266	1 00001 0 00403	10011					
03267	0 04303 0 02745	10100					
03270	0 00000 0 16400	10011					
03271	0500 00 0 04224	10001		CLA	NULEVS		LNK40765
03272	0074 00 4 17000	10011		TSX	.FBLT.,4		LNK40766
03273	0500 00 0 04023	10001		CLA	LEVCT		LNK40767
03274	0074 00 4 17000	10011		TSX	.FBLT.,4		LNK40768
03275	0500 00 0 04024	10001		CLA	COMCT		
03276	0074 00 4 17000	10011		TSX	.FBLT.,4		
03277	0500 00 0 04231	10001		CLA	XXXX		LNK40769
03300	0074 00 4 17000	10011		TSX	.FBLT.,4		LNK40770
03301	0500 00 0 04232	10001		CLA	YYYY		LNK40771
03302	0074 00 4 17000	10011		TSX	.FBLT.,4		LNK40772
03303	0500 00 1 30056	10000		CLA	MI,1		LNK40773
03304	0074 00 4 17000	10011		TSX	.FBLT.,4		LNK40774

BINARY CARD ID. NETSIM94						
03305	0500	00	1 30055	10000	CLA	MS,1
03306	0074	00	4 17000	10011	TSX	.FBLT.,4
03307	0500	00	1 30063	10000	CLA	BIAS,1
03310	0074	00	4 17000	10011	TSX	.FBLT.,4
03311	0074	00	4 17400	10011	TSX	.FBLR.,4
03312	0500	00	1 30066	10000	CLA	OVAL,1
03313	0621	00	0 03326	10001	STA	BQP1
03314	0621	00	0 03424	10001	STA	DQP1
03315	000000000000			00010	CALL	.FWRD.(UN03.)
03315	0074	00	4 11000	10011		
03316	1 00001	0	00403	10011		
03317	0 04303	0	02772	10100		
03320	0 00000	0	16400	10011		
03321	0535	00	2 00723	10001	LAC	LEVIR,2
03322	0754	00	2 00000	10000	PXA	0,2
03323	2400	00	0 04011	10001	ADD	INEXT
03324	0621	00	0 03154	10001	STA	ABCAD
03325	0737	00	2 00000	10000	BQPLPN	PAC
03326	0500	00	2 00000	10000	BQP1	CLA
						**2

RELATIVE OUTPUT ADDRESS FOR THIS LEVEL

RELATIVE COMPONENT ADDRESS OF 1ST COMPONENT FOR THIS LEVEL

ABSOLUTE ADDR OF 1ST COMP THIS LEVEL

ABSOLUTE ADDRESS OF COMPONENT

OUTPUT OF COMPONENT

BINARY CARD ID. NETSIM95						
03327	0074	00	4 17000	10011	TSX	.FBLT.,4
03330	0500	00	2 00400	10000	CLA	0,2
03331	4120	00	0 03334	10001	TR1	BFIN
03332	0500	00	2 00000	10000	CLA	0,2
03333	0020	00	0 03325	10001	TRA	BQPLPN
03334	0074	00	4 17400	10011	BFIN	TSX
03335	0534	00	1 00772	10001	LXA	LEV1,1
03336	0500	00	1 30055	10000	CLA	MS,1
03337	0601	00	0 04227	10001	STO	AAA
03340	000000000000			00010	CALL	BTDF(AAA,=5,AAA)
03340	0074	00	4 04000	10011		
03341	1 00003	0	00405	10011		
03342	0 04303	0	03012	10100		

1ST WORD OF NEXT COMPONENT

EMU LOGICAL BINARY RECORD(PDP TAPE)

1ST WORD OF 1ST COMP OF LEVEL IS MINUS

GET OUTPUT OF NEXT COMPONENT

LNK40779

LNK40780

LNK40781

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 39

03343	0 00000	0	04227	10001		
03344	0 00000	0	04272	10001		
03345	0 00000	0	04227	10001		
03346	0500	00	1 30063	10000	CLA	BIAS,1
03347	0601	00	0 04230	10001	STO	BBB
03350	000000000000			00010	CALL	BTDF(BBB,=9,BBB)

LNK40782

LNK40783

LNK40784

BINARY CARD ID. NETSIM96						
03350	0074	00	4 04000	10011		
03351	1 00003	0	00405	10011		
03352	0 04303	0	03015	10100		
03353	0 00000	0	04230	10001		
03354	0 00000	0	04277	10001		
03355	0 00000	0	04230	10001		
03356	000000000000			00010	CALL	.FWRD.(UN06.,BIASNO)
03356	0074	00	4 11400	10011		
03357	1 00002	0	00404	10011		
03360	0 04303	0	03016	10100		
03361	0 00000	0	15000	10011		
03362	0 00000	0	03662	10001		
03363	0500	00	0 00604	10001	CLA	BIASCH
03364	0074	00	4 15400	10011	TSX	.FCNV.,4
03365	000000000000			00010	CALL	.FFIL.
03365	0074	00	4 06400	10011		
03366	1 00000	0	00402	10011		
03367	0 04303	0	03021	10100		
03370	0600	00	0 00604	10001	STZ	BIASCH
						RESET BIAS CHANGE COUNTER FOR LEVEL

BINARY CARD ID. NETSIM97						
03371	000000000000			00010	CALL	.FWRD.(UN06.,PBCD1)'2452'
03371	0074	00	4 11400	10011		
03372	1 00002	0	00404	10011		
03373	0 04303	0	04424	10100		
03374	0 00000	0	15000	10011		
03375	0 00000	0	03745	10001		
03376	0500	00	0 04023	10001	CLA	LEVCT
03377	0074	00	4 15400	10011	TSX	.FCNV.,4
03400	0500	00	0 04227	10001	CLA	AAA
03401	0074	00	4 15400	10011	TSX	.FCNV.,4
03402	0500	00	0 04230	10001	CLA	BBB
03403	0074	00	4 15400	10011	TSX	.FCNV.,4
03404	000000000000			00010	CALL	.FFIL.'2452'
03404	0074	00	4 06400	10011		
03405	1 00000	0	00402	10011		
03406	0 04303	0	04424	10100		
03407	000000000000			00010	CALL	.FWRD.(UN06.,MULIN)
03407	0074	00	4 11400	10011		
03410	1 00002	0	00404	10011		

LNK40785

LNK40786

LNK40787

LNK40788

LNK40789

LNK40790

LNK40791

LNK40792

BINARY CARD ID. NETSIM98						
03411	0 04303	0	03033	10100		
03412	0 00000	0	15000	10011		
03413	0 00000	0	03714	10001		
03414	000000000000			00010	CALL	.FFIL.
03414	0074	00	4 06400	10011		
03415	1 00000	0	00402	10011		

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 40

03416	0	04303	0	03034	10.00						
03417	0500	00	0	03154	10001		CLA	ABICAD			
03420	0774	00	4	00005	10000		QPLP	AAT	5,4		
03421	0777	00	2	00000	10000		QDPLPN	PAC	0,2		LNK40800
03422	0500	00	2	00001	10000		CLA	1,2			
03423	06C1	00	4	04122	10001		STO	NAM5+5,4			LNK40802
03424	0500	00	2	00000	10000		QDP1	CLA	**2	OUTPUT OF COMPONENT	LNK40803
03425	06C1	00	4	04127	10001		STO	OPT5+5,4			
03426	0500	00	2	00000	10000		CLA	0,2			LNK40805
03427	4,20	00	0	03433	10001		TMI	QBEP			LNK40809
03430	0500	00	2	00000	10000		CLA	0,2			LNK40810
03431	2	00001	4	03421	10001		TIX	QDPLPN,4,1			LNK40811
03432	0020	00	0	03437	10001		TRA	QPRNT			LNK40813

BINARY	CARD	ID.	NETSIM99								
	03433	4	00001	4	03437	10001	QBEP	TNX	QPRNT,4,1		LNK40814
	03434	0600	00	4	04122	10001		STZ	NAM5+5,4		LNK40816
	03435	0600	00	4	04127	10001		STZ	OPT5+5,4		LNK40817
	03436	0020	00	0	03433	10001		TRA	QBEP		LNK40818
	03437	000000000000			00010		QPRNT	CALL	BTOF(OPT5,4,1,OPT5)*2488'		LNK40819
	03437	0074	00	4	04000	10011					
	03440	1	00003	0	00405	10011					
	03441	0	04303	0	04670	10.00					
	03442	0	00000	0	04122	10001					
	03443	0	00000	0	04271	10001					
	03444	0	00000	0	04122	10001					
	03445	000000000000			00010			CALL	BTOF(OPT5+1,=1,OPT5+1)*2488'		LNK40820
	03445	0074	00	4	04000	10011					
	03446	1	00003	0	00405	10011					
	03447	0	04303	0	04670	10.00					
	03450	0	00000	0	04123	10001					
	03451	0	00000	0	04271	10001					
	03452	0	00000	0	04123	10001					
	03453	000000000000			00010			CALL	BTOF(OPT5+2,=1,OPT5+2)*2488'		LNK40821

BINARY	CARD	ID.	NETSIM00								
	03453	0074	00	4	04000	10011					
	03454	1	00003	0	00405	10011					
	03455	0	04303	0	04670	10.00					
	03456	0	00000	0	04124	10001					
	03457	0	00000	0	04271	10001					
	03460	0	00000	0	04124	10001					
	03461	000000000000			00010			CALL	BTOF(OPT5+3,=1,OPT5+3)*2488'		LNK40822
	03461	0074	00	4	04000	10011					
	03462	1	00003	0	00405	10011					
	03463	0	04303	0	04670	10.00					
	03464	0	00000	0	04125	10001					
	03465	0	00000	0	04271	10001					
	03466	0	00000	0	04125	10001					
	03467	000000000000			00010			CALL	BTOF(OPT5+4,=1,OPT5+4)*2488'		LNK40823
	03467	0074	00	4	04000	10011					
	03470	1	00003	0	00405	10011					
	03471	0	04303	0	04670	10.00					
	03472	0	00000	0	04126	10001					
	03473	0	00000	0	04271	10001					

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 41

BINARY	CARD	ID.	NETSIM01								
	03474	0	00000	0	04126	10001					
	03475	000000000000			00010			CALL	.FWRD(.UN06,,NHMT)*2488'		LNK40824
	03475	0074	00	4	11400	10011					
	03476	1	00002	0	00404	10011					
	03477	0	04303	0	04670	10.00					
	03500	0	00000	0	15000	10011					
	03501	0	00000	0	03756	10001					
	03502	0500	00	0	04115	10001		CLA	NAM5		LNK40825
	03503	4734	00	4	00000	10000		PDX	0,4		LNK40826
	03504	0634	00	4	04270	10001		SXA	LLEV,4		LNK40827
	03505	430	00	0	04243	10001		ANA	077		LNK40828
	03506	0074	00	4	15400	10011		TSX	.FCNV,4		LNK40829
	03507	0500	00	0	04270	10001		CLA	LLEV		LNK40830
	03510	0074	00	4	15400	10011		TSX	.FCNV,4		LNK40831
	03511	0500	00	0	04122	10001		CLA	OPT5		LNK40832
	03512	0074	00	4	15400	10011		TSX	.FCNV,4		LNK40833
	03513	0500	00	0	05116	10001		CLA	NAM5+1		LNK40834
	03514	4734	00	4	00000	10000		PDX	0,4		LNK40835
	03515	0634	00	4	04270	10001		SXA	LLEV,4		LNK40836

BINARY	CARD	ID.	NETSIM02								
	03516	4320	00	0	04243	10001		ANA	077		LNK40837
	03517	0074	00	4	15400	10011		TSX	.FCNV,4		LNK40838
	03520	0500	00	0	04270	10001		CLA	LLEV		LNK40839
	03521	0074	00	4	15400	10011		TSX	.FCNV,4		LNK40840
	03522	0500	00	0	04123	10001		CLA	OPT5+1		LNK40841
	03523	0074	00	4	15400	10011		TSX	.FCNV,4		LNK40842
	03524	0500	00	0	04117	10001		CLA	NAM5+2		LNK40843
	03525	4734	00	4	00000	10000		PDX	0,4		LNK40844
	03526	0634	00	4	04270	10001		SXA	LLEV,4		LNK40845
	03527	4320	00	0	04243	10001		ANA	077		LNK40846
	03530	0074	00	4	15400	10011		TSX	.FCNV,4		LNK40847
	03531	0500	00	0	04270	10001		CLA	LLEV		LNK40848
	03532	0074	00	4	15400	10011		TSX	.FCNV,4		LNK40849
	03533	0500	00	0	04124	10001		CLA	OPT5+2		LNK40850
	03534	0074	00	4	15400	10011		TSX	.FCNV,4		LNK40851
	03535	0500	00	0	04120	10001		CLA	NAM5+3		LNK40852
	03536	4734	00	4	00000	10000		PDX	0,4		LNK40853
	03537	0634	00	4	04270	10001		SXA	LLEV,4		LNK40854
	03540	4320	00	0	04243	10001		ANA	077		LNK40855

BINARY CARD ID. NETSIM03						
03541	0074 00 4 15400	10011	TSX	.FCMV.,4	LNK40856	
03542	0500 00 0 04270	10001	CLA	LLEV	LNK40857	
03543	0074 00 4 15400	10011	TSX	.FCMV.,4	LNK40858	
03544	0500 00 0 04125	10001	CLA	OPT5+3	LNK40859	
03545	0074 00 4 15400	10011	TSX	.FCMV.,4	LNK40860	
03546	0500 00 0 04121	10001	CLA	NAM5+4	LNK40861	
03547	4734 00 4 00000	10000	PDX	0,4	LNK40862	
03550	0434 00 4 04270	10001	SXA	LLEV,3	LNK40863	
03551	4320 00 0 04243	10001	ANA	077	LNK40864	
03552	0074 00 4 15400	10011	TSX	.FCMV.,4	LNK40865	
03553	0500 00 0 04270	10001	CLA	LLEV	LNK40866	
03554	0074 00 4 15400	10011	TSX	.FCMV.,4	LNK40867	
03555	0500 00 0 04126	10001	CLA	OPT5+4		

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 42

03556	0074 00 4 15400	10011	TSX	.FCMV.,4	LNK40869
03557	000000000000	00010	CALL	.FFIL.'2488'	LNK40870
03557	0074 00 4 06400	10011			
03560	1 00000 0 00402	10011			
03561	0 04303 0 04670	10100			
03562	0500 60 2 00000	10000	CLA*	0,2	LNK40871

BINARY CARD ID. NETSIM04

03563	4120 00 0 03566	10001	TR1	PR2	LNK40872
03564	0500 00 2 00000	10000	CLA	0,2	LNK40873
03565	0020 00 0 03420	10001	TRA	QPLP	LNK40874
03566	0774 00 2 00000	10000	PR2	AXT	**0,2
03567	0774 00 1 00000	10000	AXT	**0,1	LNK40877
03570	0774 00 4 00000	10000	PRTRA	AXT	**0,4
03571	0020 00 4 00001	10000	TRA	1,4	LNK40878
03572	0 00000 0 00000	10000	BIGEST	PZE	0
03573	0 00000 0 00000	10000	SGMT	PZE	0
03574	740130013460	10000	PSKP	BCI	1,(1M1)
03575	740030430200	10000	BCDF	BCI	0,(34H ENTER NEW MS INTO KEYS FOR LEVEL ,13,///)
03576	254563255160	10000			LNK40936
03577	452566604462	10000			
03600	603145634660	10000			
03601	422570626026	10000			
03602	465160432565	10000			
03603	254360733103	10000			
03604	736161613460	10000			
03605	746060073060	10000	BCDA	BCI	9,(7H LEVEL ,13,25H NONCONVERGENT. NEW MS = ,F14.8)

END OF LEVEL PRINTOUT

BINARY CARD ID. NETSIM05

03606	432565254360	10000			
03607	733103730205	10000			
03610	326045444523	10000			
03611	464565255127	10000			
03612	254563336045	10000			
03613	256660446260	10000			
03614	136073260104	10000			
03615	331034606060	10000			
03616	746003063060	10000	BCDE1	BCI	8,(36H ENTER NEW BIAS INTO KEYS FOR LEVEL ,13)
03617	254563255160	10000			LNK40938
03620	452566602231	10000			
03621	216260314563	10000			
03622	466042257062	10000			
03623	602446516043	10000			
03624	256525436073	10000			
03625	310334606060	10000			
03626	746060073060	10000	BCDB	BCI	9,(7H LEVEL ,13,33H OUTPUT OUT OF RANGE, NEW BIAS = ,
03627	432565254360	10000			LNK40939
03630	733103730303	10000			

BINARY CARD ID. NETSIM06

03631	306046466347	10000
03632	646360466463	10000
03633	404626605121	10000
03634	452725736045	10000
03635	256660223121	10000
03636	626013607360	10000

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 43

03637	260104331064	10000	BCI	5,F14.8/5X,12H** CONTROL=,012)	
03640	056773010230	10000			
03641	545460602346	10000			
03642	456351464313	10000			
03643	734602026034	10000			
03644	740303306047	10000	BBIAS	BCI	7,(33H PCENT IN AJUST GREATER THAN ONE.)
03645	232545636031	10000			
03646	436021416462	10000			
03647	636027512521	10000			
03650	632551606330	10000			
03651	214560464525	10000			
03652	333460606060	10000			
03653	746060113060	10000	MISH1	BCI	6,(9H SUM NO. ,13,4H IS ,F10.5)

LNK40941

BINARY CARD ID. NETSIM07

03654	62644404544	10000			
03655	336073310373	10000			
03656	043060316260	10000			
03657	737601003305	10000			
03660	346060606060	10000			
03661	0 00000 0 00000	10000	KEYS PZE	0	
03662	74067733104	10000	BIASND BCI	5, (8X, 14, 13H BIAS CHANGES //)	
03663	730103306022	10000			
03664	312162602330	10000			
03665	214527256260	10000			
03666	616134406060	10000			
03667	740430005454	10000	BCDC1 BCI	8, (4H000, 14, 4X, 6HINPUT ,A6, 3X, 24H IDENTIFICATION	
03670	547331047304	10000			
03671	677306303145	10000			
03672	476463607321	10000			
03673	067303677302	10000			
03674	043060114524	10000			
03675	254563312631	10000			
03676	232163314645	10000			

BINARY CARD ID. NETSIM08

03677	602346515125	10000	BCI	2, CORRECT. 1	
03700	23633303460	10000			
03701	740430005454	10000	BCDC1 BCI	8, (4H000, 14, 4X, 6HINPUT ,A6, 3X, 27H IDENTIFICATION	
03702	547331047304	10000			
03703	677306303145	10000			
03704	476463607321	10000			
03705	067303677302	10000			
03706	073060312425	10000			
03707	456331263123	10000			
03710	216331464560	10000			
03711	603145234651	10000	BCI	3, INCORRECT. 1	
03712	512523633360	10000			
03713	346060606060	10000			
03714	740767730574	10000	MDLIN BCI	5, (7X, 5(16H COMP. OUTPUT, 6X))	
03715	010630602346	10000			
03716	444733606060	10000			
03717	504664634764	10000			
03720	637306673434	10000			
03721	0 00000 0 00000	10000	OPSMUM PZE	0	

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 44

BINARY CARD ID. NETSIM09

03722	740306300045	10000	GMS BCI	7, (36H0ND UNSATURATED G-WTS. DG TOO LARGE.)	LNK40944
03723	466064456221	10000			
03724	636451216325	10000			
03725	246027406663	10000			
03726	623360242760	10000			
03727	634646604321	10000			
03730	512725336034	10000			
03731	740405306051	10000	RBCD BCI	9, (45H RESTART WRITTEN, LIFI SS2 AND PRESS START TO,	LNK40945
03732	256263215163	10000			
03733	606651316363	10000			
03734	254573604331	10000			
03735	266360626202	10000			
03736	602145246047	10000			
03737	512562626062	10000			
03740	632151636063	10000			
03741	467360606060	10000			
03742	010030602346	10000	BCI	3, 10H CONTINUE.)	LNK40946
03743	456331456425	10000			
03744	336034606060	10000			

BINARY CARD ID. NETSIM10

03745	741067730630	10000	PBCD1 BCI	9, (8X, 6H LEVEL, 14, 3X, 6H MS = ,F14.8, 3X, 0H BIAS = ,F14.8/)	
03746	604325652543	10000			
03747	733104730367	10000			
03750	730630604462	10000			
03751	601360732601	10000			
03752	043310730367	10000			
03753	73030602231	10000			
03754	216260136073	10000			
03755	260104331061	10000			
03756	740567730574	10000	NHFM1 BCI	5, (5X, 5(3X, 13, 'H., 12, 4X, F10.7))	
03757	036773310373	10000			
03760	013033733102	10000			
03761	730467732601	10000			
03762	003307343460	10000			
03763	740101306023	10000	PBCD4 BCI	9, (11H COMPONENT , 13, 1H., 12, 11H G-WEIGHTS)	LNK40950
03764	464447464525	10000			
03765	456360606073	10000			
03766	310373013033	10000			
03767	733102730101	10000			

BINARY CARD ID. NETSIM11

03770	306060274066	10000			
03771	253127306362	10000			
03772	606060606060	10000			
03773	346060606060	10000			
03774	200000000005	00001	WORD1 HSS	5	LNK40951
04001	0 00170 0 00000	10000	L120 PZE	0, 0, 120	LNK40952
04002	0 07640 0 00000	10000	L4M PZE	0, 0, 4000	LNK40953
			+ CONTANTS FOR CALCULATION AND ADDRESSING		
04003	031463146314	10000	TENTH DEC	.180	LNK40954
04004	0 00000 0 00000	10000	ZERO PZE		LNK40955
04005	0 00000 0 00001	10000	ONE PZE	1	LNK40956
04006	0 00000 0 00002	10000	TWO PZE	2	LNK40957
04007	377770000000	10000	MASK OCT	37777000000	UNPACK G-WEIGHT MASK

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 45

04010	0	30303	0	30303	10000	ZNEXT	PZE	NEXT,0,NEXT		LNK40960
04011	0	00000	2	30303	10000	INEXT	PZE	NEXT,2	INITIALIZATION FOR NTAG2	LNK40961
04012	0	00000	2	30303	10000	NTAG2	PZE	NEXT,2		LNK40962
04013	0	00000	0	30057	10000	FPL	PZE	FPLS	USED FOR CORRECT OUTPUT	LNK40963
04014	0	00000	0	30060	10000	FMIN	PZE	FMIN	INCORRECT OUTPUT	LNK40964
								* LOCTIONS	FOR VARIABLE STORAGE	LNK40965
04015	0	00000	0	00000	10000	OSUM			SUM OF OUTPUTS FOR A LEVEL	LNK40966
04016	0	00000	0	00000	10000	TSUM			TEMPORARY SUM	LNK40967

BINARY	CARD ID.	NETSIM12									
	04017	0	00000	0	00000	10000	TRIAL				LNK40968
	04020	0	00000	0	00000	10000	M		REDUCTION IN SIZE OF OUTPUT STRING	LNK40969	
	04021	000002	000000			10000	IB10	DEC	1816		LNK40970
	04022	0	00000	0	00000	10000	LEVNO		INDEX ON LEVEL FOR DG CALCULATION		LNK40971
	04023	0	00000	0	00000	10000	LEVCT				LNK40972
	04024	0	00000	0	00000	10000	CMCT		NUMBER OF COMPONENTS PER LEVEL		LNK40973
	04025	031463	146314			10000	SCALE	DEC	.180		LNK40974
	04026	0	00000	0	00000	10000	DIR		INDEX ON OUTPUT WORD		LNK40975
	04027	00040000	000000			10000	RSCAL	DEC	1.89		
	04030	0	00000	0	00000	10000	GSET		INDEX ON 4 G-SETS		LNK40977
	04031	0	00000	0	00000	10000	STRIR		INDEX FOR OUTPUT STRING		LNK40978
	04032	0	00000	0	00000	10000	DIFF		USED IN DG NORMALIZATION		LNK40979
	04033	0	00000	0	00000	10000	QUOT				LNK40980
	04034	0	00000	0	00000	10000	TENP				LNK40981
	04035	0	00000	0	00000	10000	CMSUM		SUM FOR OUTPUT COMPARISON		LNK40982
	04036	0	00000	0	00000	10000	OLDMS		STORAGE FOR (FK0)		LNK40983
	04037	0	00000	0	00000	10000	FACT		SUM OF G-WEIGHTS		LNK40984
	04040	0	00000	0	00000	10000	GSUM		NUMBER OF INPUTS		LNK40985
	04041	0	00000	0	00000	10000	N				LNK40986

BINARY	CARD ID.	NETSIM13									
	04042	0	00000	0	00000	10000	MEAN				LNK40987
	04043	2000000000	000050			00001	STRING	BSS	40		LNK40988
	04113	0	00000	0	00000	10000	OFLDC	PZE			LNK40989
	04114	2000000000	000001			00001	MSHCTR	BSS	1		LNK40990
	04115	2000000000	000005			00001	NAMS	BSS	5		LNK40991
	04122	2000000000	000005			00001	OPT5	BSS	5		LNK40992
	04127	2000000000	000001			00001	XNUMM	BSS	1		LNK40993
	04130	2000000000	000074			00001	FFSPC	BSS	60		LNK40994
	04224	2000000000	000001			00001	NULVS	BSS	1		LNK40995
	04225	0	00000	0	00011	10000	NETTAP	PZE	9		LNK40996
	04226	0	00000	0	00001	10000	AAAA	PZE	1		LNK40997
	04227	0	00000	0	00001	10000	AAA	PZE	1		LNK40998
	04230	0	00000	0	00001	10000	BBB	PZE	1		LNK40999
	04231	0	00000	0	00001	10000	XXXX	PZE	1		LNK41000
	04232	0	00000	0	00001	10000	YYYY	PZE	1		LNK41001
	04233	2000000000	000001			00001	FFSWT	BSS	1		LNK41002
	04234	00000005	2760			10000	NETHAX	DEC	22000		LNK41003
	04235	2000000000	000001			00001	INDICT	BSS	1		LNK41004
	04236	2000000000	000001			00001	MAX	BSS	1		LNK41007

BINARY	CARD ID.	NETSIM14									
	04237	2000000000	000001			00001	NOCDS	BSS	1		LNK41008
	04240	2000000000	000001			00001	XITRY	BSS	1		LNK41010
	04241	2000000000	000001			00001	XCENT	BSS	1		LNK41011
	04242	6060606060	000000			10000	BLANK	BCI	1,		LNK41012

NETSIM
ASSEMBLED TEXT.

04/14/66

PAGE 46

04243	000000	777777	10000	077	OCT	000000777777				LNK41013
04244	0000000000	000001	10000	01	DEC	1				LNK41014
04245	0000000000	000005	10000	05	DEC	5				LNK41015
04246	0000000000	000005	10000	FIVE	DEC	5				
04247	74057401	0067	10000	CGFMT	BCI	3,(5(10X,F14.8))				LNK41016
04250	73260104	3310	10000							
04251	34346060	06060	10000							
04252	74030730	06021	10000	OFBCD	BCI	8,(37H ARITHMETIC OVERFLOW OCCURED AT LOC ,05)				LNK41017
04253	51316330	4425	10000							
04254	63312323	6046	10000							
04255	65255126	4346	10000							
04256	66604623	2364	10000							
04257	51252460	2163	10000							
04260	60434623	6073	10000							
04261	46053460	06060	10000							

BINARY	CARD ID.	NETSIM15									
	04262	0000000000	00010			00010	CALL	DUMMY1			LNK41018
	04262	0074	00	4	07000	10011					
	04263	1	00000	0	00402	10011					
	04264	0	04303	0	03302	10100					
	04265	0000000000	00010			00010	CALL	DUMMY2			LNK41019
	04265	0074	00	4	07400	10011					
	04266	1	00000	0	00402	10011					
	04267	0	04303	0	03303	10100					
	04270	0	00000	0	00001	10000	LLEV	PZE	1		LNK41020
	04271	0000000000	00000			10000		LONG			
	04272	0000000000	00000			10000					
	04273	3777777777	10000			10000					
	04274	0100000000	10000			10000					
	04275	3774000000	10000			10000					
	04276	3777000000	10000			10000					
	04277	0000000001	10000			10000					
	04300	0000000000	10000			10000					
	04301	0000000000	10000			10000					
	04302	2000000000	10000			10000					

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* STORAGE FOOT NETWORK INFORMATION
27046 NOCNT EQU 11014
27047 INUM EQU 11015
27050 KEY EQU 11016
27051 DATA EQU 11017
30047 SKIP EQU 12327
30050 DT EQU SKIP+1
30051 EPSLN EQU SKIP+2
30052 MSTEP EQU SKIP+3
30053 GSAT EQU SKIP+4
* STORAGE FOR LEVEL INFORMATION
30054 LEVEL EQU SKIP+5
30055 MS EQU LEVEL+1
30056 MI EQU LEVEL+2
30057 FPLS EQU LEVEL+3
30060 FMINS EQU LEVEL+4
30061 FPLI EQU LEVEL+5
30062 FMINI EQU LEVEL+6
30063 BIAS EQU LEVEL+7
30064 ESUM EQU LEVEL+8
TIME INCREMENT FOR DG CALCULATION
CRITERION FOR CONVERGENCE
INCREMENT FOR MS
SATURATION POINT FOR G-WEIGHT
MULT FOR STATE INPUT
MLT FOR PRIMARY INPUT
FIX FOR STATE INPUTS
FORGET FOR STATE I/P
FIX FOR PRIMARY I/P
FORGET FOR PRIMARY I/P
BIAS TO ADJUST SUM OF OUTPUTS
EXPECTED SUM OF OUTPUTS
LNK41021
LNK41027
LNK41028
LNK41029
LNK41030
LNK41031
LNK41032
LNK41033
LNK41034
LNK41035
LNK41036
LNK41037
LNK41038
LNK41039
LNK41040
LNK41041

```

NETSIM ASSEMBLED TEXT. 04/14/66 PAGE 47

```

30065 DELIP EQU LEVEL+9
30066 OVAL EQU LEVEL+10
* STORAGE FOOT COMPONENT INFORMATION
30303 NEXT EQU LEVEL+151
30304 SYMB EQU NEXT+1
30305 IVAL EQU NEXT+2
30306 SVAL EQU NEXT+3
30307 CPLS EQU NEXT+4
30310 CHINS EQU NEXT+5
30311 CPLI EQU NEXT+6
30312 CHINI EQU NEXT+7
30316 XANDY EQU NEXT+11
30303 LINS1 EQU NEXT
30452 EDP EQU NEXT+103
SYMBOLIC NAME OF THIS CAMP
VALUE OF COMPUTED I
VALUE OF COMPUTED S
NO. STATE(ADDR),PRIMARY(DEER)I/P
INPUT ADDR,SIGNED G-WEIGHT
LNK41042
LNK41043
LNK41044
LNK41045
LNK41046
LNK41047
LNK41048
LNK41049
LNK41050
LNK41051
LNK41052
LNK41053
LNK41054
BINARY CARD ID. NETSIM16
04303 00000000000 10000 *LDIR
04304 452563623144 10000
00000 01111 EMD

```

NETSIM CONTROL DICTIONARY 04/14/66 PAGE 48

```

*DCICT NETSIM
NETSIM17
BINARY CARD ID. NETSIM18
004305000000 PREFACE START=0,LENGTH=2245,TYPE=7094,CMLPX=6
000004000006
452563623144 NETSIM DECK LOG=0,LENGTH=2245
004305000000
452563623144 NETSIM REAL LOC=0,LENGTH=0
000000000000
452563623144 NETSIM REAL LOC=0,LENGTH=0
000000000000
224746314563 BPOINT VIRTUAL SECT. 4,CALL
200000100000
452563233027 NETCHG VIRTUAL SECT. 5,CALL
200000100000
274751636060 GPRT VIRTUAL SECT. 6,CALL
200000100000
226731636060 EXIT VIRTUAL SECT. 7,CALL
200000100000
226344266060 BTOF VIRTUAL SECT. 8,CALL
200000100000
234644226060 COMB VIRTUAL SECT. 9,CALL
200000100000
332647514533 FPRN VIRTUAL SECT. 10,CALL
200000100000
BINARY CARD ID. NETSIM19
512445256360 RDNET VIRTUAL SECT. 11,CALL
200000100000
445163452563 WRNET VIRTUAL SECT. 12,CALL
200000100000
332626314333 JFFIL VIRTUAL SECT. 13,CALL
200000100000
24644447001 DUMMY1 VIRTUAL SECT. 14,CALL
200000100000
24644447202 DUMMY2 VIRTUAL SECT. 15,CALL
200000100000
332622626333 JFBST VIRTUAL SECT. 16,CALL
200000100000
332625266333 JFEFT VIRTUAL SECT. 17,CALL
200000100000
332666512233 JFWRB VIRTUAL SECT. 18,CALL
200000100000
332666512433 JFWRD VIRTUAL SECT. 19,CALL
200000100000
625051636060 SQRT VIRTUAL SECT. 20,CALL
200000100000
512521242323 READCC VIRTUAL SECT. 21,CALL
200000100000

```

BINARY CARD ID. NETSIM20
 634723426060 IPCK VIRTUAL SECT. 22,CALL
 200000100000
 627062434623 SYSLOC VIRTUAL SECT. 23
 200000000000

NETSIM
 CONTROL DICTIONARY

04/14/66

PAGE 49

334447254560 .OPEN VIRTUAL SECT. 24
 200000000000
 335125212460 .READ VIRTUAL SECT. 25
 200000000000
 334445000633 .UN06. VIRTUAL SECT. 26
 200000000000
 332623456533 .FCNV. VIRTUAL SECT. 27
 200000000000
 332343468225 .CLOSE VIRTUAL SECT. 28
 200000000000
 336445000333 .UN03. VIRTUAL SECT. 29
 200000000000
 332622436333 .FBLT. VIRTUAL SECT. 30
 200000000000
 332644435133 .FHLR. VIRTUAL SECT. 31
 200000000000

BDKEND NETSIM

NETSIM21

NO MESSAGES FOR THIS ASSEMBLY

NETSIM
 SYMBOL REFERENCE DATA

04/14/66

PAGE 50

REFERENCES TO DEFINED SYMBOLS.

CLASS	SYMBOL	VALUE	REFERENCES
	1010	04021	2343
	2NEXT	04010	1056,1675
	A1	00612	0,40
	A2	00615	41,271,272,300
	A3	00621	0,45
	A4	00623	0,0,47
	AAAA	04226	
	AAA	04227	1156,1162,1166,1174,1603,1622,1624,1634,1736,1742,1744,1754,2535,2545,2551,2556,2560,2564,2565,2571,2573,2722,2723,2727,2731,2741,3337,3343,3345,3400
	ABICAD	03154	3324,3417
	ACEPT	01644	1240,1241
	ADEL7	01703	1701
	ADOUTP	01216	
	AJ2	01602	1273,1346,1364,1376,1415,1431,1457,1477,1515,1523,1534,1542,1550,1555
	AJ3	01617	
	AJUST0	01252	
	AJUST1	01274	1251
	AJUST2	01311	1247
	AJUST4	01347	1316,1317
	AJUST	01242	1237
	AXT2	00771	727,1036,1054
	AXT3	01006	740,1011
	A(Z)	00605	263,273,301,426
	B2	00616	42,276
	B3	00622	0,46
	B4	00624	0,0,50
	BACK	00405	414
	BBB	04230	3347,3353,3355,3402
	BRIAS	03644	1562
	BCDA	03605	1171
	BCDB	03626	1431
	BCDC1	03667	2006
	BCDC	00645	223
	BCDD1	0377	2027
	BCDD	0052	
	BCDE1	03616	
	BCDE	00664	465
	BCDF	03575	
	BCONTL	01571	1242,1267,1343,1353,1407,1417,1432,1456,1636,1646
	BECOM	00727	1123
	BEGIN	00704	236,242,256,311,327,344,365,375
	BFIN	03334	3331
	BIADJ	03255	3247
	BIASCH	00604	1607,1611,3363,3370
	BIASND	03662	3362
	BIAS	30063	716,1051,1264,1265,1272,1344,1363,1374,1414,1422,1423,1430,1453,1461,1513,1521,1540,1546,1602,3307,3346
	BIGEST	03572	
	BITER	01574	1354,1355,1362
	BLANK	04242	
	B0F	00703	

NETSIM
 SYMBOL REFERENCE DATA

04/14/66

PAGE 51

BQPI 03326 3313
 BQPLPN 73325 3333
 BSAI 01531 1514
 B(Z) 00606 265,267,277
 C10 30206 175
 C12H 33200
 C259 00603 144

C2	00617	43,261
C4	00625	0,51
CGFMT	04247	
CNGSIM	01570	1377
CHIOXY	00452	146,147
CINIT	00204	
CMINI	30312	
CMINS	30310	
CMP	01772	2001
CMSUM	04035	1717,1775,1777,2702,2703,2711
CNTR	00411	3173
COMB1	02666	1721
COMB2	02674	2713
COMB31	02705	2700
COMB3	02676	2706
COMB4	02713	2667
COMB5	02716	2747
COMB6	02747	2670
COMB7	02757	2763
COMB8	02761	2755
COMB9	02763	2671
COMAIN	03005	60,76,104,1720,2632,2666
CONCT1	01573	1464,1470,1507
CONCT	04024	725,732,734,1255,1463,1506,3275
COMT	02440	2575
CPL1	30311	
CPLS	30307	
C	04237	57
C(2)	00607	250,252,262,430
D2	00620	44,257,303
DATA	27051	
DB1	01575	1263,1322,1333,1340,1341,1367,1373,1410,1442,1420,1424,1427,1450,1452,1476,1512,1514,1520, 1524,1526,1527,1535,1537,1543,1545,1552,1554 2623,2626,2661,3162
DG0	02073	2074,2316
DG1	02075	2045,2315,2653
DG2	02076	2062,2121,2333,2613
DG30	02127	2130,2132,2512,2513
DG31	02130	2156
DG3.1	02150	2113,2271,2331
DG3.2	02167	2120,2301,2332,2351,2407,2471
DG3.5	02175	2060,2063,2146,2165,2166,2276,2302,2311,2612,2614
DG3.6	02176	2061,2263,2615
DG3	02131	2270
DG4	02200	2124
DG5	02307	2214,2222
DG6	02313	2124
DGVALU	03152	2214,2222
DIFF18	01600	1252,1257,1303,1313,1327,1443
DIFF1	02265	2262,2336

NETSIM
SYMBOL REFERENCE DATA

04/14/66

PAUL

DIFF28	01601	1243,1274,1311,1312,1357,1433
DIFF2	02303	2264
DIFF	04032	2347,2412,2431,2542
DLTSQG	02533	2424
DOSUM	01576	1302,1326
DOUBSR	00376	253,270,323,371
DQP1	03424	3314
DQPLPN	03421	3431
DT	30050	116,2204
D(2)	00610	245,247,260,432
EDP	30452	
ELEND	02604	2312,2330
ELTS	01677	1716
ENDIP	00673	501,511
E0B2	00203	72,156,440
E0B	00202	
E0T	00474	73,157,441
EPSLN	30051	117,1116
ESUM	30064	130,1231,1234
EXNWS	03164	3156
F1	02045	2022
FACT	04037	2103,2212,2323
FCNG	00162	153,154
FFL1	00165	177
FFL2	00166	170,171,173
FFL3	00167	174,176
FFL4	00200	163
FFSPC	04130	52,166
FFSMT	04233	53,162
FILE	FILE2	1 70,72,156,417,440,475
FIVE	04246	
FIX	02002	2764
FMINI	30062	127
FMIN	04014	2044,2650
FMIN5	30060	125,4014
FORGET	02023	1776,2761
FOUK	00205	152,172
FPL1	30061	126
FPL	04013	2020,2652
FPLS	30057	124,4013
GMS	03722	
GNG	02576	2430,2541
GSA	30053	121,2234,2235,2356,2413,2436,2441,2442
GSET	04030	2105,2123,2161,2163,2307,2337,2472,2474
GSUM1	03155	2405,2426,2537
GSUM	04040	2177,2252,2254,2342,2352,2377,2401,2404,2406,2462,2464,2530
GWPC	00614	59,3172
GWPRT	03166	
HDLIN	03714	3413
HHOLD	01205	
HOLD	01224	
I1ST	01146	1016
I2ND	01147	1130
ICHANG	01064	1017,1131
ICOMM	00442	453,455,456
INCR	02402	2357,2360,2363

NETL	01712	1702,1714
NETMAX	04234	112,3212
NETSIM	00000	1546,2775,3223
NETTAP	04225	111,3211
NETAD	01701	1715
NETAF	02652	2643,2647
NETW	01072	1061,1104,1203
NETSV1	02644	2633
NETSTR	02632	3163
NETX	00303	131,575,1122,1656,1703,1712,2127,2131,2134,2200,3176,4010,4310,4011,4012,4303,4303,4303
NETY	01754	3501
NETZ	02337	2467
NETD5	04237	0,164
NETDNT	27046	442,444,576
NETDP	00573	454,717,1401
NETDPI	02327	2111
NETDRI	02503	2334,2470
NETDR2	02410	2466

NETSIM
SYMBOL REFERENCE DATA

04/14/66

PAGE 55

NORM3	02457	2414,2415,2420
NORM6	02446	2335
NORM5	02470	2343,2346
NORN	02334	2266,2306
N	04041	2126,2142,2144,2150,2172,2277
NTAG2	04012	2057,2101,2107,2215,2223,2241,2256,2321,2341,2354,2410,2433,2444,2451,2523,2533,2534,2610,2611,2617
NTRA	02474	2265,2305
NUGHTS	02603	2353,2365,2367,2600
NULVS	04224	17,132,2066,3271
NUNIN	00601	25,69,143
NWTT	03156	2622
OLEOZ	01543	1200
O1	04244	
O5	04245	
O77	04243	3505,3516,3527,3540,3551
OFBCD	04252	3235
OFF	01111	1110
OFLLP	00065	1022,1142,1144,1651,1654
OFLOC	04113	755,763,775,1022,1030,1042,1050,1075,1115,1117,1706,2100,2136,2205,2211,2251,2320,2376,2461,2526,2544,3236
OFLOW	03231	760,765,1001,1025,1032,1046,1052,2162,2133,2140,2206,2322,2531,2547
DIR	04026	
OLDF	02650	2642
OLDWS	04034	715,1612
OLD	01103	1057,1106
OMELEV	02663	2071
OMEREC	00574	452
OME	04005	254,331,336,412,576,706,733,1610,1661,1733,2010,2031,2050,2143,2162,2473,2641,2717,3227
OP2	01204	
OPEND	02001	1764
OPSMUM	03721	137,2007,2011,2030,2032,3175,3202
OPTS	04122	3425,3435,3442,3444,3450,3452,3456,3460,3464,3466,3472,3474,3511,3522,3533,3544,3555
OPUT	01054	1010,1012
OSIZE	00310	
OSUM1	01572	1271,1276,1301,1442,1440,1473,1504
OSUM	04015	724,1076,1100,1235,1270,1275,1500,3255
OUTBSR	00415	376
OVAL	30066	751,1013,1647,1653,1665,2073,2115,2325,33'2
PBCD1	03745	3375
PBCD4	03763	
PCENT0	01577	1320,1332,1334,1645
PCENT	00625	356
PR2	03566	3263,3264,3563
PRINT	03261	1655
PRLIN	01011	745,1005
PTRA	03570	3261
PSKP	03574	
QADTU	03260	3230,3243,3256
QBEF	03433	3427,3436
QPLP	03420	3545
QPRNT	03437	3432,3433
QUOT	04033	
RANGE	01567	1351
RBCD	03731	3216
READOP	00600	23,64

NETSIM
SYMBOL REFERENCE DATA

04/14/66

PAGE 56

READ	00437	
READS	00640	235,237,241
RECSKP	00151	461
RESCY	00644	335,337,350,363
RESEY	01416	1405
REVER1	01262	720,1402
REVER2	01361	721,1403
REVSIN	01177	1306,1307,1446,1447,1530
REVS	01524	1510,1511
RSCAL	04027	
LCTR	BLCTR	
QUAL	UNQS	
LCTR		

SAT	01202	1071
SAV2	03224	3201
SAVEN	00714	1664
SAVFOR	02574	2552
SCALE	04025	
SCMED	00207	201, 2091, 3177, 3226
SET2	01341	1323, 1372
SETDZE	02445	2435, 2437, 2550
SETSM	03227	1077, 1710, 2253, 2400, 2463
SGMT	03573	2364, 2373
SHFOTF	01207	
SMT	01206	
SKIP	30047	110, 135, 140, 141, 142, 204, 411, 413, 446, 450, 3704, 3210, 4303, 4303, 4303, 4303, 4303
SMALC2	01373	1367
SMALCH	01365	1336
SMALL	01717	1713
SMINUS	02513	2310
SNEXT	30303	134
SPLUS	02512	2164, 2275
SOGHT	02522	2246, 2372, 2456
SSUM	00753	770
STABL	01226	1136
STRING	04043	1677, 1707, 1711, 1735, 1767, 1770, 1772, 2701
STRINO	02462	2053, 2634, 2644, 2656, 2660
STRIR	04031	
SVAL	30306	1002, 1062
SYMB	30304	
TCYCL	00627	425
TEMP	04034	1233, 1236
TENTH	04003	1232
THREE	00577	
TOBIG1	01535	1345, 1375, 1541
TOBIG2	01551	1547
TOBIG	01516	1504, 1505
TOMANY	02765	2704
TOM	02776	2771
TOTAL	00641	330, 332, 352, 364
TRIAL	04017	722, 1104, 1124, 1140
TRI	01135	1125
TRYS	00031	1133
TSUM	04016	764, 764, 766, 773, 1015, 1031, 1033, 1040, 2125, 2137, 2161, 2167, 2300
TWO	04006	447
ULTIM	01665	1657

NETSIM
SYMBOL REFERENCE DATA

04/14/66

PAGE 57

UNSI	01151	1150
UNSI2	01155	
UNSAT	02354	2403
UNSTA	01150	1137
WDDNF	00576	457
WORD1	03774	
WRES	03201	521
XITRY	04240	
XANDY	30316	735
XCENT	04241	
XNUMM	04127	
XXXX	04231	743, 3277
Y	04020	54
YYYY	04232	737, 3371
ZERO	04004	351, 1105, 2471
ZITER	0 722	1201, 1616, 1643
ZZZ	00417	410

REFERENCES TO VIRTUAL SYMBOLS.

BPOINT	4	2566
BTOF	8	1157, 1617, 1737, 2553, 2724, 3340, 3350, 3437, 3445, 3453, 3461, 3467
COMB	9	100
DUMMY1	14	4262
DUMMY2	15	4265
EXIT	7	2507
GPR1	6	3166
.CLOSE	28	474
.BLT.	30	3272, 3274, 3276, 3300, 3302, 3304, 3306, 3310, 3327
.FBST.	16	405
.FLNV.	27	427, 431, 433, 544, 1173, 1175, 1633, 1635, 1637, 1753, 1755, 2012, 2014, 2033, 2035, 2740, 2742, 3237, 3364, 3377, 3401, 3403, 3506, 3510, 3512, 3517, 3521, 3523, 3530, 3532, 3534, 3541, 3543, 3545, 3552, 3554, 3556
.FEFT.	17	515
.FFIL.	13	224, 434, 466, 502, 512, 532, 545, 1176, 1563, 1640, 1756, 2015, 2036, 2504, 2743, 2772, 3217, 3240, 3365, 3404, 3414, 3557
.FPRN.	10	220, 462, 476, 3213
.FWLR.	31	3311, 3334
.FWRR.	18	3265, 3315
.FWRD.	19	421, 505, 525, 536, 1165, 1556, 1625, 1745, 2002, 2023, 2477, 2732, 2765, 3231, 3356, 3371, 3407, 3475
.OPEN	24	67
.READ	25	71, 155, 437
.INOS.	29	520, 3270, 3320
.UNO6.	26	424, 510, 530, 541, 1170, 1561, 1630, 1750, 2005, 2026, 2502, 2735, 2770, 3234, 3361, 3374, 342, 3500
NETCHG	5	113
RDNET	11	105
READUC	21	34
SCRT	20	2561
SYSLUC	23	10
TPCK	22	61
WRTNET	12	3205

SIBFTC GPRT1 M94/2, XR7

01/28/66

PAGE 189

GPRT1 - EFN SOURCE STATEMENT - IFN(S) -

01/28/66

PAGE 190

```

SUBROUTINE GPRT(MGPR,GWPC,CNTR,NEXT,OPSNUM)
DIMENSION IGWT(5),NEXT(1)
INTEGER GWPC,CNTR,COMMON,OPSNUM
GO TO (20,20,30,30),MGPR
10 IF(GWPC.EQ.0)GO TO 7
30 CNTR=CNTR+1
IF(CNTR.NE.GWPC)GO TO 7
20 I=1
WRITE(6,5000)OPSNUM
2 ISYMB=NEXT(I+1)
COMMON=0 SYMB/262144
LEVN=ISYMB-262144*COMMON
WRITE(6,1000)LEVN,COMMON
IXANDY=NEXT(I+11)
IX=IXANDY/262144
IY=IXANDY-262144*IX
NLINE=IX+IY+1-1
J=0
4 DO 11 L=1,NLINE
J=J+1
LINE=NEXT(L+12)
IGWT(J)=LINE/262144
IGWT(J)=262144*IGWT(J)
CALL BTDF(IGWT(J),1,IGWT(J))
IF(L.EQ.NLINE)J=5
IF(J.NE.5)GOTO 11
5 WRITE(6,1001)IGWT
DO 13 K=1,5
13 IGWT(K)=0
J=0
11 CONTINUE
I=NLINE+13
CNTR=0
IF(NEXT(I).EQ.0)GO TO 1
GO TO 2
1 IF(MGPR.EQ.1)GWPC=0
IF(MGPR.EQ.4)MGPR=2
7 RETURN
1000 FORMAT(1H0,7X,11H COMPONENT ,13,1H.,12,11H G-WEIGHTS///
1001 FORMAT(110X,F14.8)
5000 FORMAT(1H1,36H NEW G-WEIGHTS FROM RESULT OF INPUT ,14,///)
END

```

12

17

33

42

01/28/66

PAGE 191

SIBFTC RDNET1 M94/2, XR7

RDNET1 - EFN SOURCE STATEMENT - IFN(S) -

01/28/66

PAGE 192

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SUBROUTINE RDNET(SKIP,NETTAP,NETMAX)
DATA ENDNET/6HENDNET/
DIMENSION SKIP(NETMAX)
1 J=1
K=200
10 READ(NETTAP) (SKIP(I),I=J,K)
IF(SKIP(J).EQ.ENDNET)GO TO 50
J=J+200
K=K+200
IF(K.GT.NETMAX)GO TO 20
GO TO 10
20 PRINT 40
PAUSE
GO TO 1
40 FORMAT(45H *** NETWORK EXCEEDS SIZE OF NETWORK STORAGE. )
50 REWIND NETTAP
RETURN
END

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LNK41057
LNK41058
LNK41059
LNK41060
LNK41062
LNK41063
LNK41064
LNK41065
LNK41066
LNK41067
LNK41068
LNK41069
LNK41070
LNK41071
LNK41072
LNK41073
LNK41074
LNK41076

3

20

22

01/28/66

PAGE 193

SIBFTC WRTNE1 M94/2, XR7

```

SUBROUTINE WRNET(SKIP,NETTAP,NETMAX)
DATA ENDNET/6HENDNET/
DIMENSION SKIP(NETMAX)
NETTAP=12
1 REWIND NETTAP
  J=1
  K=200
10 WRITE(NETTAP) (SKIP(I),I=J,K)
  IF(SKIP(J).EQ.ENDNET) GO TO 50
  J=J+200
  K=K+200
  IF(K.GT. NETMAX) GO TO 20
  GO TO 10
20 PRINT 40
  PAUSE
END FILE NETTAP
50 RETURN
40 FORMAT(27H ***NETWORK END NOT PRESENT )
END
    
```

LNK41078
LNK41079
LNK41080
LNK41083 2
LNK41084
LNK41085
LNK41086 4
LNK41087
LNK41088
LNK41089
LNK41090
LNK41091
LNK41092 21
LNK41093
LNK41094 22
LNK41096
LNK41097

818FTC TPCK1 M94/2,XR7

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SUBROUTINE TPCK(READOP,NUMIN,NNAMES)
INTEGER READOP
READ(4)IRDOP,NNUMIN,NNAMES
IF(IRDOP.NE.READOP.OR.NNUMIN.NE.NUMIN.OR.NNAMES.NE.NNAMES)GOTO1
WRITE(6,1000)READOP,NUMIN,NNAMES
RETURN
1 WRITE(6,1001)IRDOP,READOP,NNUMIN,NUMIN,NNAMES,NNAMES
STOP
1001 FORMAT(41H TAPE DOES NOT AGREE WITH CONTROL VALUES.//
17X,6HIRDOP=,I4,3X,7HREADOP=,I4/6X,7HNNUMIN=,I4,3X,6HNUMIN=,I4/
26X,7HNNAMES=,I4,3X,6HNNAMES=,I4)
1000 FORMAT(17X,7HREADOP=,I4,7X,6HNUMIN, I4/7X,6HNNAMES=,I4)
END
    
```

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```

SUBROUTINE READC(INDICT,A1,A2,D2,C2,D2,A3,B3,A4,B4,C4,FFSPC,
1FFSWT,Y,GWPC,MUPR,C,COMBIN)
DIMENSION FFSPC(60)
INTEGER A1,A2,B2,C2,D2,A3,B3,A4,B4,GWPC,CNTR,Y,C
INTEGER FFSWT,COMBIN
REAL M3N,M3H
DATA MORS,N/4H SUM,3HINP/
INDICT=0
C
C .....READ CONTROL CARDS
C
WRITE(6,5001)
READ(5,7001)IX,A1,A2,B2,C2,D2,A3,B3,A4,B4,C4,MS,Y,C,GWPC,MUPR
1,ISQWT,COMBIN
IF(1N.NE.N)GO TO 7
C
IF(1SQWT.NE.C)INDICT=INDICT+512
CALL BPOINT(C4,0)
IF(IX.GT.4.OR.IX.LT.1) GO TO 30
IF(IX=2) 30,4C,1C
20 IF(IX=3) 20,2C,50
20 INDICT=INDICT+16
GO TO 60
30 INDICT=INDICT+4
GO TO 60
40 INDICT=INDICT+8
GO TO 60
50 INDICT=INDICT+32
60 IF(MORS.EQ.MS) INDICT=INDICT+256
FFSWT=0
IF(C.EQ.C)GO TO 80
NNOCDS=4+C
READ(5,7100)(FFSPC(K),K=1,NNOCDS)
OO TO 1=1, NNCLUS
70 CALL BPOINT(FFSPC(1),0)
FFSWT=1
80 WRITE(6,444)INDICT,IX,MS,Y,C,GWPC,MUPR,A1,A2,B2,C2,D2,A3,B3,A4,
1A4,C4
RETURN
    
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LNK41100
LNK41101
LNK41102
LNK41104
LNK41105
LNK41106
LNK41107
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LNK41113
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LNK41115
LNK41116
LNK41117
LNK41118
LNK41119
LNK41120
LNK41121
LNK41122
LNK41123
LNK41124
LNK41127
LNK41128
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LNK41132
LNK41133 61
LNK41134
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LNK41137


```

DO 39 I=1,NULEV
C   ** READ LEVEL CARD FOR NEW LEVEL PARAMETERS. ONE CARD PER LEVEL.
C   LEVEL ARRAY IS TEN VARIABLES PER LEVEL AND UP TO 15 LEVELS.
READ(5,2004)LEVI,MMS,PMI,FFPLS,FFMINS,FFPLI,FFMINI,EESUM
WRITE(6,1005)LEVI,MMS,PMI,FFPLS,FFMINS,FFPLI,FFMINI,EESUM
CALL BPOINT(MMS,5)
CALL BPOINT(PMI,5)
CALL BPOINT(FFPLS,0)
CALL BPOINT(FFMINS,0)
CALL BPOINT(FFPLI,0)
CALL BPOINT(FFMINI,0)
CALL BPOINT(EESUM,6)
MS(K+1)=MMS
MI(K+1)=PMI
FPLS(K+1)=FFPLS
FMINS(K+1)=FFMINS
FPLI(K+1)=FFPLI
FMINI(K+1)=FFMINI
ESUM(K+1)=EESUM
C   ** CHANGE LEVEL VALUES. GO TO END OF THE DO LOOP.
IF(I=ISM.EQ.5)GO TO 39

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NETCH - EFN SOURCE STATEMENT - IFN(5) -

01/28/66

PAGE 215

```

C   ** LEAD LEVEL COMPONENT CARD FOR COMPUTING C-VALUE.
30 READ(5,3006)ISX,ISI,IPX,IP1,CSX,CSI,CPX,GPI
SX=ISX
CSX=SI+CSI
SI=ISI
SI=SI+CSI
PX=IPX
CPX=PX+GPI
PI=IP1
CPI=PI+GPI
CALL BTDFIGSAT,CGSAT)
IF((SX+CGSAT).GE.CSX.AND.(SI+CGSAT).GE.CSI.AND.(PX+CGSAT).GE.CPX
1.AND.(PI+CGSAT).GE.CPI)GO TO 31
WRITE(6,1007)
STOP
31 CALL BPOINT(CSX,6)
CALL BPOINT(CSI,6)
CALL BPOINT(CPX,6)
CALL BPOINT(CPI,6)
C   ** TEST FOR CHANGE IN C-VALUES. NO CHANGE IS A LOGICAL TRUTH.
G=.FALSE.
IF(CSX.EQ.SNEXT(L+4).AND.CSI.EQ.SNEXT(L+5).AND.CPX.EQ.SNEXT(L+6)
1.AND.CPI.EQ.SNEXT(L+7)) G=.TRUE.
C   ** COMPARE MODE TO LOGICAL C-VALUE RESULT. FALSE IS ERROR IN
C   C-VALUE OR MODE.
IF((ISM.EQ.3).AND.G.OR.(ISM.EQ.3).AND..NOT.G)GO TO 41
C   ** STORE NEW C-VALUES IN EACH COMPONENT OF THIS LEVEL.
32 SNEXT(L+4)=CSX
SNEXT(L+5)=CSI
SNEXT(L+6)=CPX
SNEXT(L+7)=CPI
33 L=L+4
IF(NEXT(L).LE.0)GO TO 34
C   ** A MINUS INDICATES A NEW LEVEL.
IF(ISM.EQ.3)GO TO 32
C   ** MODES OTHER THAN 3 REQUIRE STORING OF NEW C-VALUES IN EACH
C   COMPONENT OF THIS LEVEL. MODE 3 ONLY TESTED G-WEIGHT CONSISTENCY
C   BECAUSE OF CHANGE IN GSAT.
GO TO 33
C   ** DETERMINE NEW INDEX INCREMENT FOR DISTANCE BETWEEN COMPONENTS
C   ON THE NEW LEVEL.
34 M=L-R
M=NEXT(L)-NEXT(M)
IF(ISM.EQ.1.OR.ISM.EQ.4)GO TO 39
J=J+1
IF(J.EQ.NULEV)GO TO 40
C   ** READ THE NEXT COMPONENT CARD. LEVEL CARDS ARE NOT REQUIRED.
GO TO 30
C   ** READ THE NEXT LEVEL CARD.
39 K=K+10
40 RETURN
41 WRITE(6,1008)
STOP
1001 FORMAT(F9.9,F9.9,F9.6,F9.7)
1003 FORMAT(81H THE NETWORK PARAMETERS WERE NOT CHANGED. CHECK RESTART
1MODE OR RESTART(A) CARD. )

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NETCH - EFN SOURCE STATEMENT - IFN(5) -

01/28/66

PAGE 216

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1002 FORMAT(2H1,46X,29H CHANGE IN NETWORK PARAMETERS/IHO,51X,3MNEW,11X,
13HOLD/IHO,40X,2HDT,10X,F9.9,4X,F9.9/40X,5HEPSLN,7X,F9.9,5X,F9.9/
240X,5HMSTEP,4X,F9.6,5X,F9.6/40X,4HGSAT,6X,F9.7,5X,F9.7)
1004 FORMAT(A6,2F9.7,4F9.9,F9.5)
1005 FORMAT(4X,A6/1X,4HMMS=F9.7,2X,4HMMI=F9.7,2X,6HFFPLS=F9.9, 7HFFM
1INS=F9.9,2X,6HFFPLI=F9.9,2X,7HFFMINI=F9.9,2X,6HEESUM=F9.5/IHO)
1006 FORMAT(I3,4F4.3)
1007 FORMAT(84H GWEIGHTS ARE INCONSISTENT FOR RESTART. CHECK RESTART(C)
1 CARDS OR (A) CARD FOR GSAT.)
1008 FORMAT(49H INCORRECT RESTART MODE OR BAD RESTART(C) CARDS. )
END

```

NETCH

STORAGE MAP

SUBROUTINE NETCHG
UNDIMENSIONED PROGRAM VARIABLES

SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE	SYMBOL	LOCATION	TYPE
G	00001	L	DDT	00002	R	EEPSLN	00003	R
MMSTEP	00004	I	GGSAT	00005	R	NOT	00006	R
WEPSLN	00007	R	MMSTEP	00010	R	MGSAT	00011	R
J	00012	:	L	00013	I	M	00014	I
K	00015	I	I	00016	I	LEVI	00017	I
MMS	00020	I	MMI	00021	I	FFPLS	00022	R
FFMINS	00023	R	FFPLI	00024	R	FFHINI	00025	R
EESUP	00026	R	ISX	00027	I	ISI	00030	I
IPX	00031	I	IPI	00032	I	GSA	00033	R
GSI	00034	R	GPX	00035	R	GPI	00036	R
SX	00037	R	CSX	00040	R	SI	00041	R
CSI	00042	R	PX	00043	R	CPX	00044	R
PI	00045	R	CPI	00046	R			

ENTRY POINTS

NETCHG SECTION 2

SUBROUTINES CALLED

SYMBOL	SECTION	SYMBOL	SECTION	SYMBOL	SECTION
.FRDD.	3	BTOF	4	.FWRD.	5
BPPOINT	6	.EXIT.	7	.FXEM.	8
.UN05.	9	.FRYM.	10	.FCNV.	11
.UN06.	12	.FFIL.	13	E-1	14
E-2	15	E-3	16	E-4	17
CC-1	18	CC-2	19	CC-3	20
CC-4	21	SYSLOC	22		

EFN	IFN	LOCATION	EFN	IFN	LOCATION	EFN	IFN	LOCATION
10	3A	00246	20	30A	00444	30	63A	00641
40	124A	01177	1001	FORMAT	00065	1002	FORMAT	00110
12	29A	00432	1003	FORMAT	00071	39	120A	01172
1004	FORMAT	00147	1005	FORMAT	00153	1006	FORMAT	00200
31	73A	01007	1007	FORMAT	00202	41	125A	01200
32	92A	01076	33	97A	01117	34	107A	01137
1008	FORMAT	00221						

THE FIRST LOCATION NOT USED BY THIS PROGRAM IS 01345.

SENTRY MAIN
LOADING HAS BEEN SUPPRESSED.
6701 LINES OUTPUT.
#IBSYS
RETURNING TO #IBSYS.

Security Classification

14 KEY WORDS	LINK A		LINK B		LINK C	
	ROLE	WT	ROLE	WT	ROLE	WT
Bionics Automata Computers Neuromime networks Simulation FORTRAN IBM 7094						

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