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Rockwell
International

appendix L

Volume 3

An Architectural Study of Signal Processing Systems and Switched Networks

(Computer Listings and Runs)

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**Rockwell
International**

appendix L

Volume 3

An Architectural Study of Signal Processing Systems and Switched Networks

(Computer Listings and Runs)

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) A modular design process as applied to signal processing and switching systems is described. Architecture analysis, high order language evaluation and comparison, system simulation, and hardware/software tradeoffs were made in the context of modular design of signal processing and switching systems. The principal motivation for modular system design is lower life cycle cost.		

APPENDIX L

↓ contents ↓

1. Program listing of the general simulation model for a bus architecture (FMODEL);
2. Program listing of the Report formater (FREPORT);
3. Listing of the Signal Processing Module library (SPMODULE);
4. Listing of the Switching System Module library (SWMODULE);
5. Listings of Signal Processing Simulation Runs; and
 - a. Run 1 - \$NLA 1601
 - b. Run 2 - \$NLA 1602
 - c. Run 3 - \$NLA 1603
 - d. Run 4 - \$NLA 1604
 - e. Run 5 - \$NLA 1605
 - f. Run 6 - \$NLA 1606
6. Listings of Switching System Simulation Runs
 - a. Peak Hour - \$NLA 1201
 - b. Peak Second - \$NLA 1202

Appendix L-1
FMODEL

PROGRAM LISTING
OF
THE GENERAL SIMULATION
MODEL FOR A BUS ARCHITECTURE
(FMODEL)

*** G P S S V - O S V E R S I O N ***
*** IBM PROGRAM PRODUCT 5734-XS2 (VIM3) ***

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1

REALLOCATE COM,100000

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BLOCK NUMBER	*LOC	OPERATION	A.B.C.D.E.F.G.H.I	COMMENTS	STATEMENT NUMBER
		UNLIST			2
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BLOCK NUMBER

*LOC

OPERATION
UNLIST
SIMULATE

A.B.C.D.E.F.G.H.I

COMMENTS

STATEMENT NUMBER

REVISION 3 NAME = FMODEL

GENERAL SIMULATION MODEL FOR
A BUS ARCHITECTURE

INITIAL INPUT PARAMETERS
MODULE ACTIVATE NON-ZERO = ACTIVATE
PRIORITY 127 TO 0 (HIGH TO LOWEST)
CONTROL TYPE
0 = DECENTRALIZE
1 = CENTRALIZE
2 = MODULE INTERLOCK(DEFINE MODULE NR.)
3 = MODULE CALL(MODULE NR. MUST BE DEFINED IN CALLING MODULES PARAMETERS)

CONTROL RATE EACH INTEGER = 50NS
INPUT START/PROCESS
INPUT TIME DISTRIBUTION MODIFIER
INPUT TIME OFFSET
OUTPUT
OUTPUT TIME DISTRIBUTION MODIFIER(SAME AS INPUT)
OUTPUT TIME OFFSET
MODULE PROCESS TIME EACH INTEGER = 50NS
MEMORY TYPE
0 = DISTRIBUTIVE MEMORY
1 = COMMON DATA MEMORY INPUT
2 = COMMON DATA MEMORY OUTPUT
3 = COMMON DATA MEMORY BOTH
INPUT WORDS
COUNT
COUNT DISTRIBUTION MODIFIER
READ TIME
OUTPUT WORDS
COUNT
COUNT DISTRIBUTION MODIFIER(SAME AS INPUT)
WRITE TIME
COMMON MEMORY INTERNAL USE
NR OF READS
NR OF WRITES
MODULE NR. OUTPUT TO (SEE CONTROL TYPE 3)

MODCT SYN 60
CTMOD SYN 61
TIME EQU 1*XB
CCWRT EQU 2*XB
CMENT EQU 3*XB
TPERD EQU 1*XF
MATRIXES

MODULE COUNT EQUAL 12
MODULE CT * 1 FOR CONTROLLER
RUN TIME FACTOR
CONTROLLER WRITE TIME
COMMON MEMORY ACCES TIME
RUN TIME

57	00000540	TIMT	MATRIX	MX,62,2	TIME ACCUM TABLE
58	00000550	BPARM	MATRIX	MB,60,10	BYTE PARAMETER TABLE
59	00000560	HPARM	MATRIX	MH,60,6	HALFWORD PARAMETER TABLE
60	00000570	F Parm	MATRIX	MX,60,5	FULLWORD PARAMETER TABLE
61	00000580	MFLAG	MATRIX	MB,60,4	FLAGS
62	00000590	HFLAG	MATRIX	MH,60,1	
63	00000600	ISTOR	MATRIX	MX,61,11	WAIT TIME ACCUMS
64	00000610	I AVG	MATRIX	MX,61,6	AVERAGES
65	00000620	LOCKS	MATRIX	MX,60,9	INTERLOCK MODULE TALLIES
66	00000630	CALLS	MATRIX	MX,60,9	CALLING MODULE TALLY BY CALLED MODULE
67	00000640				
68	00000650				
69	00000660				
70	00000670				
71	00000680				
72	00000690	MODCT	*1		
73	00000700	PERCT	FVARIABLE	MX*PB1(PB2,1)*10000/PF1	
74	00000710	BUSYP	FVARIABLE	MB\$MFLAG(PB4,1)*E,0*MB\$MFLAG(PB4,2)*E,0	
75	00000720	COMIN	FVARIABLE	MB\$BPARAM(PB4,MEM)*E,1*MB\$BPARAM(PB4,MEM)*E,3	
76	00000730	COMOT	FVARIABLE	MB\$BPARAM(PB4,MEM)*E,2*MB\$BPARAM(PB4,MEM)*E,3	
77	00000740	CNLT	FVARIABLE	MB\$BPARAM(PB4,CONT)*E,1*MB\$BPARAM(PB4,CONT)*E,2	
78	00000750	CNIN	FVARIABLE	MB\$BPARAM(PB4,CONT)*E,2*MB\$BPARAM(PB4,CONT)*E,3	
79	00000760	QTEST	FVARIABLE	MB\$BPARAM(PB4,QMAX)*E,0*Q*PB,4*MB\$BPARAM(PB4,QMAX)	
80	00000770	CAVG1	FVARIABLE	MX\$ISTOR(PB4,1)/MX\$ISTOR(PB4,2)	
81	00000780	CAVG2	FVARIABLE	MX\$ISTOR(PB4,3)/MX\$ISTOR(PB4,4)	
82	00000790	CAVG3	FVARIABLE	MX\$ISTOR(PB4,5)/MX\$ISTOR(PB4,6)	
83	00000800	CAVG4	FVARIABLE	MX\$ISTOR(PB4,7)/MX\$ISTOR(PB4,8)	
84	00000810	CAVG5	FVARIABLE	MX\$ISTOR(PB4,9)/MX\$ISTOR(PB4,10)	
85	00000820	CDIF1	FVARIABLE	MX\$FPARAM(PB4,1)-(MX\$FPARAM(PB4,3)+V\$CDIF2-V\$CDIF3)	
86	00000830	CDIF2	FVARIABLE	MX\$IAVG(PB4,1)*MX\$IAVG(PB4,2)	
87	00000840	CDIF3	FVARIABLE	MX\$IAVG(PB4,3)*MX\$IAVG(PB4,4)	
88	00000850	CDIF4	FVARIABLE	V\$CMAIO+V\$CMAIN	
89	00000860	CMAIO	FVARIABLE	MX\$ISTOR(PB4,1)*MX\$ISTOR(PB4,3)	
90	00000870	CMAIN	FVARIABLE	MX\$ISTOR(PB4,5)*MX\$ISTOR(PB4,7)	
91	00000880	CCMP	FVARIABLE	X\$CMTOT*10000/PF1	
92	00000890	CALO	FVARIABLE	MX\$FPARAM(PB4,0INTR)/MX\$FPARAM(PB4,1INTR)	
93	00000900	MCAL	FVARIABLE	PH3*(PB2*XB2)	
94	00000910				
95	00000920				
96	00000930				
97	00000940	INOUT	TEST G	PH3,0,EXIT	NO WORDS TO OUTPUT, EXIT
98	00000950	ASSIGN	2**	X\$CCWPT,PB	ADD BUS TIME
99	00000960	IOLOP	MARK	2PF	
100	00000970	SEIZE	NXTMS		
101	00000980	MSAVE	VALUE	ISTOR*,PB4,9,MP2PF,MX	
102	00000990	MSAVE	VALUE	ISTOR*,PB4,10,1,MX	
103	00010000	SEIZE	RUS		
104	00010100	RELEASE	NXTMS		RELEASE NEXT MASTER
105	00010200	ADVANCE	PH2		
106	00010300	MSAVE	VALUE	TIMT*,PB4,1,PB2	ACCUMULATE TIME
107	00010400	RELEASE	RUS		
108	00010500	LOOP	3PH,IOLOP		
109	00010600	EXIT	TRANSFER	PH,2,1	
110	00010700				
111	00010800				
112	00010900				
113	00011000				
114		GENERATE	0,1,3PF,4PH,6PB		

VARIABLES

***** BID FOR BUS *****

INITIALIZATION

```

15 15  ASSIGN 4*MODCT,PB GET MODULE COUNT 114
16 16  TEST NE MB$BPARAM(PB4,ACT),0,RETNL TEST FOR ACTIVATION 115
17 17  SPLIT 1,INITI 116
* INITIALIZE CENTRALIZE CONTROL
*
18 18  TEST E RV$CNTLT,1,RETNL 118
19 19  TEST E MB$BPARAM(PB4,CONT),1,CKINL 119
20 20  SPLIT 1,CENTC 120
21 21  LOOP 4PR,IRPT 121
22 22  TERMINATE INITIATION COMPLETE 122
23 23  ASSIGN 1*MB$BPARAM(PB4,INTRL),PB GET INTERLOCK MODULE NR. 123
24 24  MSAVEVALUE MFLAG,PB1,3,PB4,MB SAVE CURRENT MODULE NR 124
25 25  TRANSFER *RETNL 125
*
*
*
26 26  CENTC PRIORITY MB$BPARAM(PB4,PRI) 126
27 27  ASSIGN 2*XH$CCWRT,PB SET WRITE ACCESS TIME 127
28 28  ASSIGN 3,1,PH INTR VECTOR (1 WORD) 128
29 29  ASSIGN 1,PB4,PB PLACE MODULE NR IN PBI 129
30 30  ASSIGN 4,CTMOD,PB SET CONTROLLER ACCUM 130
31 31  TEST NE M$BPARAM(PB1,IINTR),0,*2 131
32 32  SPLIT 1,CENTI GO SETUP INPUT START INTR 132
33 33  TEST NE M$BPARAM(PB1,OINTR),0,*2 133
34 34  SPLIT 1,CENTO GO SETUP OUPUT INTR 134
35 35  TERMINATE 135
36 36  CENTI ADVANCE M$BPARAM(PB1,SOFST) 136
37 37  SPLIT 1,CENT3 137
38 38  TEST NE M$BPARAM(PB1,FMIOT),0,CENT2 MODIFIER REQUIRED 138
39 39  ADVANCE M$BPARAM(PB1,IINTR),FN*MB$BPARAM(PB1,5) 139
40 40  TRANSFER *CENTI+1 140
41 41  ADVANCE M$BPARAM(PB1,IINTR) SET UP NEXT INTR PERIOD 141
42 42  TRANSFER *CENTI+1 142
43 43  TRANSFER SBR,INOUT,2PH BUS ACQUISITION AND I/O 143
44 44  ASSIGN 4,PH1,PB MODULE NR 144
45 45  TRANSFER *CCIN GO TO MODULE 145
*
*
*
46 46  CENT0 ADVANCE M$BPARAM(PB1,0OFST) OFFSET 146
47 47  TRANSFER *2 147
48 48  SPLIT 1,CEN20 SEND OFF OUTPUT START INTR 148
49 49  TEST NE MB$BPARAM(PB1,FMIOT),0,CEN10 MODIFIER REQUIRED 149
50 50  ADVANCE M$BPARAM(PB1,OINTR),FN*MB$BPARAM(PB1,5) 150
51 51  TRANSFER *CENT0+2 151
52 52  ADVANCE M$BPARAM(PB1,OINTR) SET UP NEXT INTR PERIOD 152
53 53  TRANSFER *CENT0+2 153
54 54  TRANSFER SBR,INOUT,2PH BUS ACQUISITION AND I/O 154
55 55  ASSIGN 4,PH1,PB MODULE NR 155
56 56  TRANSFER *CCOUT GO TO OUTPUT MODULE 156
*
*
*
57 57  INITI PRIORITY MB$BPARAM(PB4,PRI) ASSIGN PRIORITY 157
58 58  TEST NE MB$BPARAM(PB4,CONT),0,DCMR 158
59 59  TERMINATE 159
*
*
*
60 60  MODULE ROUTINE 160
61 61  161
62 62  162
63 63  163
64 64  164
65 65  165
66 66  166
67 67  167
68 68  168
69 69  169
70 70  170

```

Line	Code	Command	Address
171	*	CENTRALIZE CONTROL	00001680
172	*		00001690
173	*		00001700
174	*	INPUT	00001710
175	*		00001720
176	*	CCIN ASSIGN 2,MH\$HPARM(PB4,RTIME),PB READ TIME	00001730
177		3,0,PF CLEAR MODIFIER	00001740
178		PR4	00001750
179		INCOM QUEUE	00001760
180	*	TEST E RV\$QTEST,1,TERMJ TERMINATE IF MAX Q REACHED	00001770
181		RV\$BUSYP,1	00001780
182		PROCESS NOTCOMPLETE	00001790
183		DEPART PR4	00001800
184		MSAVEVALUE MFLAG,PR4,1,1,MB SET MODULE PROCESSING FLAG	00001810
185		TEST NE MH\$HPARM(PB4,WDSIN),0,INCO CHECK IF INPUT REQUIRED	00001820
186		ASSIGN 3,MH\$HPARM(PB4,WDSIN),PH WORD COUNT	00001830
187		TEST NE MB\$HPARM(PB4,FMIN),0,PF,2 MODIFIER REQUIRED	00001840
188		ASSIGN 3,MH\$HPARM(PB4,WDSIN),MB\$HPARM(PB4,7),PH SET MODI	00001850
189		MARK IPF	00001860
190		TEST E RV\$COMIN,1,INGIO TEST COMMON MEMORY	00001870
191		TEST L PR2,XH\$CMENT,PF,2 SELECT LARGEST TIME	00001880
192		ASSIGN 2,XH\$CMENT,PH	00001890
193		SAVEVALUE CMINT,V\$MCAL,XF ACCUMMULATE MEMORY TIME	00001900
194		INGIO TRANSFER SBR,INOUT,2PH INPUT	00001910
195		MSAVEVALUE CALLS,*,PB4,8,MPIPF,MX	00001920
196		MSAVEVALUE ISTOP,*,PB4,1,MPIPF,MX	00001930
197		MSAVEVALUE ISTOP,*,PB4,2,1,MX	00001940
198	*	INCO TEST NE MH\$HPARM(PB4,CORWD),0,INCOI CHECK IF COMMON DATA ME	00001950
199		TEST L PR2,XH\$CMENT,PF,2 SELECT LARGEST TIM	00001954
200		ASSIGN 2,XH\$CMENT,PH	00001956
201		ASSIGN 3,MH\$HPARM(PB4,CORWD),PH	00001960
202		MARK IPF	00001970
203		SAVEVALUE CMINT,V\$MCAL,XF ACCUMMULATE MEMORY TIME	00001980
204		TRANSFER SBR,INOUT,2PH READ	00001990
205		MSAVEVALUE CALLS,*,PB4,8,MPIPF,MX	00002000
206		MSAVEVALUE ISTOP,*,PB4,5,MPIPF,MX	00002010
207		MSAVEVALUE ISTOP,*,PB4,6,1,MX	00002020
208			00002030
209	*	INCOI TEST NE MH\$HPARM(PB4,CORWD),0,INPRO CK DATA MEM WRITE INTERN	00002040
210		ASSIGN 3,MH\$HPARM(PB4,CORWD),PH	00002050
211		ASSIGN 2,MH\$HPARM(PB4,WTIME),PB	00002060
212		TEST L PR2,XH\$CMENT,PF,2 SELECT LARGEST TIME	00002064
213		ASSIGN 2,XH\$CMENT,PH	00002066
214		MARK IPF	00002070
215		SAVEVALUE CMINT,V\$MCAL,XF ACCUMMULATE MEMORY TIME	00002080
216		TRANSFER SBR,INOUT,2PH WRITE	00002090
217		MSAVEVALUE CALLS,*,PB4,8,MPIPF,MX	00002100
218		MSAVEVALUE ISTOP,*,PB4,7,MPIPF,MX	00002110
219		MSAVEVALUE ISTOP,*,PB4,8,1,MX	00002120
220			00002130
221	*		00002140
222	*		00002150
223	*	INPRO ASSIGN 1,MX\$FPARM(PB4,MOTIM),PF EXECUTION TIME	00002160
224		TEST NE MB\$HPARM(PB4,FMPT),0,INPRI MODIFIER REQUIRED	00002170
225		ASSIGN 1,MX\$FPARM(PB4,MOTIM),MB\$HPARM(PB4,6),PF	00002180
226		ADVANCE PF1 MODULE PROCESS TIME	00002190
227		MSAVEVALUE ISTOP,*,PB4,1,1,PF1,MX	00002200

106	MSAVEVALUE	MFLAG,PB4,1,0,MB			00002210	228
107	TEST E	BVSCINCL,1,INTRM	TEST IF INTERLOCK OR CALL		00002220	229
108	MSAVEVALUE	HFLAG,PB4,1,1,MH	INCR OUTPUT COUNTER		00002230	230
109	TEST GE	MHSHFLAG(PB4,1),V\$CALO,INTRM	CK IF TIME FOR OUTPUT		00002240	231
110	MSAVEVALUE	HFLAG,PB4,1,0,MH	RESET TO ZERO		00002250	232
111	TRANSFER	,CCOUT			00002260	233
112	INTRM	TERMINATE			00002270	234
*					00002280	235
*					00002320	236
*					00002330	237
*					00002340	238
113	CCOUT	ASSIGN	2,MH\$HPARM(PB4,TIME),PB	WRITE TIME	00002350	239
114	ASSIGN	3,MB\$HPARM(PB4,OMDNR),PB	OUTPUT MODULE NR.		00002360	240
115	TEST NE	PB3,0,CCIND	TEST OUTPUT DIRECTION		00002370	241
116	TEST L	PB2,MH\$HPARM(PB3,RTIME),CCIND	TEST FOR LARGEST TIME		00002380	242
117	ASSIGN	2,MH\$HPARM(PB3,RTIME),PB			00002390	243
118	CCIND	INDEX	4PB,MODCT	INCREMENT TO OUTPUT QUEUE	00002400	244
*					00002410	245
*					00002420	246
*					00002430	247
*					00002440	248
119	OTCOM	QUEUE	PRI		00002450	249
120	TEST E	MB\$MFLAG(PB4,2),0			00002460	250
121	DEPART	PH1			00002470	251
122	MSAVEVALUE	MFLAG,PB4,2,1,MH	SET OUTPUT IMPROCESS		00002480	252
123	TEST NE	MH\$HPARM(PB4,WDOOT),0,OTCM2	TEST FOR NO OUTPUT WOR		00002490	253
124	ASSIGN	3,MH\$HPARM(PB4,WDOOT),PH	SET WORD COUNT		00002500	254
125	TEST NE	MB\$HPARM(PB4,FMINW),0,*2	MODIFIER REQUIRED		00002510	255
126	ASSIGN	3,MH\$HPARM(PB4,WDOOT),MB\$HPARM(PB4,7),PH			00002520	256
127	MARK	1PF			00002530	257
128	TEST E	HV\$COMOT,1,OTGIO	TEST IF COMMON MEMORY		00002540	258
129	TEST L	PH2,XB\$CMENT,*2	SELECT LARGEST TIME		00002550	259
130	ASSIGN	2,XB\$CMENT,PB			00002560	260
131	SAVEVALUE	CMTOT*,V\$MCAL,XF	ACCUMULATE MEMORY TIME		00002570	261
132	TRANSFER	SRR,INOUT,2PH			00002580	262
133	MSAVEVALUE	CALLS*,PB4,8,MP1PF,MX			00002590	263
134	MSAVEVALUE	ISTOH*,PB4,3,MP1PF,MX			00002600	264
135	MSAVEVALUE	ISTOH*,PB4,4,1,MX			00002610	265
136	TEST NE	PB3,0,OTCM2	TEST IF OUTPUT DIRECTED		00002620	266
137	MSAVEVALUE	CALLS*,PB3,7,MP1PF,MX			00002630	267
138	OTCM2	MSAVEVALUE	MFLAG,PB4,2,0,MB	CLEAR OUTPUT IMPROCESS FLAG	00002640	268
139	TEST NE	PR3,0,OTCM4	TEST IF OUTPUT DIRECTED		00002650	269
140	SPLIT	1,OTCM4	GO TEST INTERLOCK		00002660	270
141	ASSIGN	4,PB3,PB	CALLED MODULE NR.		00002670	271
142	TEST E	MB\$HPARM(PB4,CONT),3,OTCM4+1	TERMINATE IF CONTROLR		00002680	272
143	TRANSFER	,OTCM3			00002690	273
144	OTCM4	TEST E	MB\$MFLAG(PB4,3),0,*2	INTERMODULE CONTROL REQUIRED	00002700	274
145	TERMINATE				00002710	275
146	ASSIGN	4,MB\$MFLAG(PB4,3),PB	GET MODULE NR.		00002720	276
147	OTCM3	PRIORITY	MB\$HPARM(PB4,PRI)	SET PRIORITY	00002730	277
148	TRANSFER	,CCIN	GIVE CONTROL TO INTERLOCK MODUL		00002740	278
*					00002750	279
*					00002760	280
149	DCMR	SPLIT	1,DCOTT		00002770	281
150	TEST E	MX\$FPARM(PB4,INTR),0,*2	CHECK FOR 0 TIME		00002780	282
151	TERMINATE				00002790	283
*					00002800	284

152	DCIN ADVANCE	MX\$FPARM(PB4,SOFST)	OFFSET	00002810	285
153	DCIN SPLIT	1,CCIN	START MODULE	00002820	286
154	TEST NE	MR\$BPARM(PB4,FM1OT),0,DCIN2	MODIFIER REQUIRED	00002830	287
155	ADVANCE	MX\$FPARM(PB4,IINTR),FN*MB\$BPARM(PB4,5)		00002840	288
156	TRANSFER	DCIN1		00002850	289
157	DCIN2 ADVANCE	MX\$FPARM(PB4,IINTR)	SET UP TIME FOR NEXT	00002860	290
158	TRANSFER	DCIN1		00002870	291
				00002880	292
				00002890	293
				00002900	294
				00002910	295
				00002920	296
159	DCOT1 TEST E	MX\$FPARM(PB4,OINTR),0,*2	CHECK FOR 0 TIME	00002930	297
160	TERMINATE			00002940	298
161	DCOUT ADVANCE	MX\$FPARM(PB4,OFFST)	OFFSET	00002950	299
162	TRANSFER	*2		00002960	300
163	DCOT1 SPLIT	1,CCOUT	START OUTPUT	00002970	301
164	TEST NE	MR\$BPARM(PB4,FM1OT),0,DCOT2	MODIFIER REQUIRED	00002980	302
165	ADVANCE	MX\$FPARM(PB4,OINTR),FN*MB\$BPARM(PB4,5)		00002990	303
166	TRANSFER	DCOT1		00003000	304
167	DCOT2 ADVANCE	MX\$FPARM(PB4,OINTR)	SETUP FOR NEXT TIME	00003010	305
168	TRANSFER	DCOT1		00003020	306
				00003030	307
				00003040	308
169	GENERATE	1,*1,0,1PF,4PB		00003050	309
170	ASSIGN	1,XH\$TIME,PB		00003060	310
171	ADVANCE	XFTPERD	RUN TIME PERIOD	00003070	311
172	LOOP	1PB,*-1		00003080	312
173	UTERM ASSIGN	1,C1,PF	CLOCK	00003090	313
174	ASSIGN	1,-1,PF	CLOCK LESS 1	00003100	314
175	ASSIGN	1,TIMT,PB	MATRIX	00003110	315
176	ASSIGN	2-3,CTMOD,PB	LAST ROW LESS 1	00003120	316
177	ASSIGN	3,*1,PB	LAST ROW	00003130	317
178	MSAVEVALUE	PB1,PB3,1,0,MX CLEAR SUM		00003140	318
179	MSAVEVALUE	PB1,PB3,1,MX*PB1(PB2,1),MX ACCUM TIME		00003150	319
180	MSAVEVALUE	PB1,PB2,2,V\$PERCT,MX CALL PERCENT		00003160	320
181	LOOP	2PB,*-2		00003170	321
182	ASSIGN	2,PB3,PB		00003180	322
183	MSAVEVALUE	PB1,PB2,2,V\$PERCT,MX CALL SUM PERCENT		00003190	323
184	ASSIGN	4,MODCT,PB		00003200	324
185	LPBK TEST E	MR\$BPARM(PB4,ACT),1,LPIT		00003210	325
186	MSAVEVALUE	I AVG,PB4,1,V\$CAVG1,MX		00003220	326
187	MSAVEVALUE	I AVG,PB4,2,V\$CAVG2,MX		00003230	327
188	MSAVEVALUE	I AVG,PB4,3,V\$CAVG3,MX		00003240	328
189	MSAVEVALUE	I AVG,PB4,4,V\$CAVG4,MX		00003250	329
190	MSAVEVALUE	I AVG,PB4,5,V\$CAVG5,MX		00003260	330
191	MSAVEVALUE	I AVG,PB4,6,V\$CDIF1,MX		00003270	331
192	TRANSFER	CALL0	GO BUILD OUTPUT MATRIX	00003280	332
193	LOOP	4PB,LPBK		00003290	333
194	SAVEVALUE	CMTOT,XF\$CM1OT,XF		00003300	334
195	SAVEVALUE	CMTOT,V\$CCMP,XF		00003310	335
196	SAVEVALUE	CMTOT,*XF\$CMINT,XF		00003320	336
197	SAVEVALUE	TCMP,V\$CCMP,XF		00003330	337
198	SAVEVALUE	CMTOT,XF\$CMINT,XF		00003340	338
199	SAVEVALUE	CMINT,V\$CCMP,XF		00003350	339
200	SAVEVALUE	CLOCK,PF1,XF		00003360	340
201	TERMINATE	1		00003370	341
202	TERMJ PRINT	PB4,PB4,0 PRINT 0 STATISTICS			


```

* * * * * 4 TYPE OF MEMORY USE, 0 = DISTRIBUTED MEMORY 399
* * * * * 1 = COMMON MEMORY INPUT 400
* * * * * 2 = COMMON MEMORY OUTPUT 401
* * * * * 3 = COMMON MEMORY BOTH 402
* * * * * 5 INPUT/OUTPUT TIME DISTRIBUTION MODIFIER 403
* * * * * 6 MODULE TIME DISTRIBUTION MODIFIER 404
* * * * * 7 I/O DATA DISTRIBUTION MODIFIER 405
* * * * * FOR MODIFIERS ABOVE, 0 = NO MODIFIERS
* * * * * 1 = EXPONENTIAL 406
* * * * * 2 = NORMAL, STD DEV = 1.0 407
* * * * * 3 = HYPERBOLIC 408
* * * * * 4 = ERLANG M = 2 409
* * * * * 5 = ERLANG M = 3 410
* * * * * 6 = ERLANG M = 5 411
* * * * * 7 = ERLANG M = 10 412
* * * * * 8 MODULE INTERLOCK NR. 413
* * * * * 9 MODULE NR OUTPUT DIRECTED TO(SEE CONTROL TYPE 3) 414
* * * * * 10 MAXIMUM QUEUE LENGTH 415
* * * * * ***** 416
* * * * * HALFWORD PARAMETERS 417
* * * * * MATRIX NAME, HPARM 418
* * * * * ROWS, MODULES 1 THRU 60 419
* * * * * COLUMNS 420
* * * * * 1 NR OF INPUT WORDS 421
* * * * * 2 INPUT READ TIME, EACH INTERGER = 50 NS 422
* * * * * 3 NR OF OUTPUT WORDS 423
* * * * * 4 OUTPUT WRITE TIME EACH INTEGER = 50 NS 424
* * * * * 5 NR OF INTERNAL READS FROM COMMON MEMORY 425
* * * * * 6 NR OF INTERNAL WRITES FROM COMMON MEMORY 426
* * * * * ***** 427
* * * * * FULLWORD PARAMETERS 428
* * * * * MATRIX NAME FPARM 429
* * * * * ROWS - MODULES 1 THRU 60 430
* * * * * COLUMNS 431
* * * * * NOTE - EACH INTEGER = 50 NS, EG, 5000 = 250 US 432
* * * * * 1 MODULE START CYCLE TIME 433
* * * * * 2 MODULES OUTPUT INTERVAL 434
* * * * * 3 MODULES PROCESSING TIME 435
* * * * * 4 START TIME OFFSET 436
* * * * * 5 OUTPUT TIME OFFSET 437
* * * * * ***** 438
* * * * * BYTE COLUMN SYMBOLS 439
* * * * * ACT SYN 1 ACTIVATE COLUMN 440
* * * * * PRI SYN 2 PRIORITY 441
* * * * * CONT SYN 3 CONTROL TYPE COLUMN 442
* * * * * MEM SYN 4 MEMORY TYPE COLUMN 443
* * * * * FMIOT SYN 5 FUNCTION MODIFIER FOR START CYCLE AND 444
* * * * * 450 445
* * * * * 451 446
* * * * * 452 447
* * * * * 453 448
* * * * * 454 449
* * * * * 455 450

```


PROGRAM LISTING
OF
THE REPORT FORMATER
(FREPORT)

Appendix L-2
FREPORT

DSNAME: INLA12-REPORT.CNLI VOLUME: CZISOF DATE: 02/02/77

START 1.1.1.1 REPORT EJECT

***** CONFIGURATION PARAMETERS *****
NOTE: REFER TO MODULE SETUP FOR MODULE IDENTIFICATION

SPACE 3
MODULE EXECUTION I/O DATA PRIORITY INTERLUCK OUTPUT IO MAX QUE START/OX 00000070 00000080 00000060

IER MODIFIER MODIFIER MODULE NR. CONTROL TYPE MODIFX 00000090 00000100 00000050

HMS TITLE 1.1
SPACE 2 00000120 00000130 00000140

SPACE 2 00000150 00000160 00000170

MODULE NR WORDS READ NR WORDS WRITE COMMON X 00000180 00000190 00000200

MEMORY STORAGE USE NR INPUT TIME OUTPUT TIME NR. RX 00000210 00000220 00000230

EADS NR. WRITES
HMS TITLE 1.1
SPACE 2 00000240 00000250 00000260

SPACE 2 00000270 00000280 00000290

MODULE START OUTPUT EXECUTION START OUTPUT 00000300 00000310 00000320

NR CYCLE TIME PERIOD PERIOD PERIOD OFFSET OFFSET 00000330 00000340 00000350

FMS TITLE 2.1
EJECT 00000360 00000370 00000380 00000390 00000400

***** PERFORMANCE CHARACTERISTICS *****

SPACE 2 TOTAL ELAPSED TIME OF RUN = #X\$CLOCK.2\$XXXXXXXXX#

TEXT 2

SPACE 2 INPUT/OUTPUT AVERAGE TIMES BY BLOCK TRANSMISSION **

SPACE 2

MODULE AVG TIME AVG TIME INTERNAL INTERNAL AVG X 00000330 00000340 00000350

TIME TIME DIFFERENCE
NP INPUT OUTPUT READ WRITE NEXIX 00000360 00000370 00000380 00000390 00000400

MSTH (INTR - (AVG I/O'S * MULT))

FMS TITLE 4.1
SPACE 2 *****

SPACE 2

```

** INTERLOCK MODULES **
START INTERLOCK INTERLOCK INTERLOCK INTERLOCK INTERLOCK
OCK INTERLOCK INTERLOCK TOTAL (ALL) INTERLOCK INTERLOCK INTERLOCK
MODULE
00000410
X00000414
00000415
00000430
00000433
00000434
00000440
00000442
00000443
00000444
00000445
00000446
00000450
00000455
00000460
00000470
00000480
00000490
00000500
00000510
00000520
00000530
00000540
00000550
00000560
00000570
00000580
00000590
00000600
00000610
00000620
00000630
00000640
00000650
00000660
00000670
00000680
00000690
00000700

```

I/O MODULE TIMES

```

FMS TITLE 5**
SPACE 2
*****
SPACE 2
*****
** CALL MODULES **
SPACE 2
CALLED CALLING CALLING CALLING CALLING CALLING
NG CALLED CALLING MOD CALLED MOD CALLED MOD CALLED MOD CALLED MOD CALLED MOD
MODULE MODULE MODULE MODULE MODULE MODULE
E MODULE I/O TOTALS I/O TOTALS TIME TOTALS
FMS TITLE 6**
SPACE 2
*****
SPACE 2
SPACE 2
SPACE 2

```

```

** BUS TIME ACCUMULATION BY MODULE **
NOTE: LAST 2 MODULES = CONTROL MODULE
= TOTALS
SPACE 2
MODULE TIME PERCENT (XXXX = XX.XX%)
OF TOTAL
FMS TITLE 1**
SPACE 2
*****
** COMMON MEMORY USE STATISTICS (PERCENT OF BUS TIME)
SPACE 2
I/O DATA TRANSFER TOTALS #X$CM101*2/2LXX.XX%#
INTERNAL DATA TRANSFER TOTALS #X$CMINI*2/2LXX.XX%#
TOTAL COMMON MEMORY USAGE #X$TCMP*2/2LXX.XX%#
SPACE 2
SPACE 2
** WAIT STATISTICS OF MODULE STARTS AND OUTPUT STARTS **
** OUTPUT QUEUE EQUAL 60 * MODULE NR.
SPACE 2
TITLE **

```

SPACE 2

SPACE 2
** UTILIZATION STATISTICS OF NEXTMASIER AND BUS **
FAC TITLE **
FMS TITLE 3**
END
EJECT
0

00000710
00000720
00000730
00000740
00000750
00000760
00000770
00000780

LISTING OF
THE SIGNAL PROCESSING MODULE LIBRARY
(SPMODULE)

Appendix L-3
SPMODULE

LL	NN	LL	AAAAA	11	666666666666	0000000	0000000
SSSSSSSSSS	NNN	LL	AAAAAAAAA	111	666666666666	000000000	000000000
SSSSSSSSSS	NNNN	LL	AA	1111	66	00	00
SSSSSSSS	NN NN	LL	AA	11	66	00	00
SSSSSS	NN NN	LL	AA	11	66	00	00
SSSSSSSSSS	NN NN	LL	AA	11	666666666666	00	00
SSSSSSSSSS	NN NN	LL	AAAAAAAAA	11	666666666666	00	00
SSSSSSSS	NN NN	LL	AAAAAAAAA	11	66	00	00
SSSSSS	NN NN	LL	AA	11	66	00	00
SSSSSSSSSS	NN NN	LL	AA	11	66	00	00
SSSSSSSSSS	NN NN	LL	AA	11	66	00	00
SSSSSSSSSS	NN NN	LL	AAAAA	11	666666666666	000000000	000000000
SSSSSSSS	NN	LLLLLLLLLLLL	AA	111111	666666666666	00000000	00000000
SSSSSS	NN	LLLLLLLLLLLL	AA	111111	666666666666	00000000	00000000

JJ	0000000000	BBBBBBBBBB	3333333333	44	999999999999
JJ	000000000000	BBBBBBBBBBBB	333333333333	444	99999999999999
JJ	00	BB	33	4444	99
JJ	00	BB	33	44 44	99
JJ	00	BB	33	44 44	99
JJ	00	BB	33	44 44	99
JJ	00	BB	333	44 44	999999999999
JJ	00	BB	333	44 44	999999999999
JJ	00	BB	33	444444444444	99
JJ	00	BB	33	444444444444	99
JJ	00	BB	33	44 44	99
JJ	00	BB	3333333333	44	99999999999999
JJ	000000000000	BBBBBBBBBBBB	3333333333	44	99999999999999
JJ	000000000000	BBBBBBBBBBBB	3333333333	44	99999999999999

SSSSSSSSSS	YY	YY	RRRRRRRRRR	IIIIIIIIII	NN	TTTTTTTTTT
SSSSSSSSSSSS	YY	YY	RRRRRRRRRRRR	IIIIIIIIII	NNN	TTTTTTTTTT
SS	YY	YY	RR	II	NNN	TT
SS	YY	YY	RR	II	NN NN	TT
SS	YYYY	YY	RR	II	NN NN	TT
SSSSSSSSSS	YY	YY	RRRRRRRRRR	II	NN NN	TT
SSSSSSSSSSSS	YY	YY	RRRRRRRRRR	II	NN NN	TT
SS	YY	YY	RR	II	NN NN	TT
SS	YY	YY	RR	II	NN NN	TT
SS	YY	YY	RR	II	NN NN	TT
SS	YY	YY	RR	II	NN NN	TT
SSSSSSSSSS	YY	YY	RR	IIIIIIIIII	NNN	TT
SSSSSSSSSS	YY	YY	RR	IIIIIIIIII	NNN	TT

DSNAME: \$NLA16.RUNF.CNTL VOLUME: CZT50F DATE: 01/31/77

```
0000010
0000020
0000030
0000040
0000050
0000060
0000070
0000080
0000090
0000100
0000110
0000120
0000130
0000140
0000150
0000160
0000170
0000180
0000190
0000200
0000210
0000220
0000230
0000240
0000250
0000260
0000270
0000280
0000290
0000300
0000310
0000320
0000330
0000340
0000350
0000360
0000370
0000380
0000390
0000400
```

INITIAL XFSTPERD,2000000 100 MS PERIOD
INITIAL XBSTIME,7 700 MS RUN
INITIAL XBSCCRT,5 SET WRITE TIME TO 250 NS
INITIAL XBSCNEMT,20 SET COMMON MEMORY TIME

* MODULES FOR SM1600 EXAMPLE

* MODULE 1 PARAMETERS
* A/D 2 CHANNEL AT 6400 HZ

INITIAL MB\$BPARM(1,ACT),0
INITIAL MB\$BPARM(1,PRI),126
INITIAL MB\$BPARM(1,CONT),1
INITIAL MB\$BPARM(1,MEM),0
INITIAL MB\$BPARM(1,OMDNP),2
INITIAL MB\$BPARM(1,OMAX),2
INITIAL MB\$BPARM(1,FMIO),0
INITIAL MB\$BPARM(1,FMMP),0
INITIAL MB\$BPARM(1,FMINW),0
INITIAL MB\$BPARM(1,INTRL),0
INITIAL MH\$BPARM(1,WD SIN),0
INITIAL MH\$BPARM(1,RTIME),5
INITIAL MH\$BPARM(1,WDOUT),2
INITIAL MH\$BPARM(1,TIME),5
INITIAL MH\$BPARM(1,CORWD),0
INITIAL MH\$BPARM(1,COWD),1
INITIAL MX\$BPARM(1,INTR),3125
INITIAL MX\$BPARM(1,INTR),3125
INITIAL MX\$BPARM(1,SOFST),0
INITIAL MX\$BPARM(1,MOFST),0
INITIAL MX\$BPARM(1,MOTIM),0

* MODULE 2 PARAMETERS

IF PRE-PROCESSING SM1600

* INITIAL MBSHPARM(2,ACT),0	00000410
* INITIAL MBSHPARM(2,PRI),125	00000420
* INITIAL MBSHPARM(2,CONT),1	00000430
INITIAL MBSHPARM(2,MEM),0	00000440
INITIAL MBSHPARM(2,MAX),4	00000450
INITIAL MBSHPARM(2,FMPT),0	00000460
INITIAL MBSHPARM(2,FMINW),0	00000470
INITIAL MBSHPARM(2,INTRL),0	00000480
INITIAL MBSHPARM(2,WDSIN),0	00000490
INITIAL MBSHPARM(2,RTIME),5	00000500
INITIAL MBSHPARM(2,WDOU),8	00000510
INITIAL MBSHPARM(2,WTIME),5	00000520
INITIAL MBSHPARM(2,CORWD),0	00000530
INITIAL MBSHPARM(2,COMWD),1	00000540
INITIAL MBSHPARM(2,INTR),3125	00000550
INITIAL MBSHPARM(2,SOFS),0	00000560
INITIAL MBSHPARM(2,MOTIM),0	00000570
INITIAL MBSHPARM(2,ACT),0	00000580
INITIAL MBSHPARM(3,CONT),1	00000590
INITIAL MBSHPARM(3,MEM),0	00000600
INITIAL MBSHPARM(3,MAX),2	00000610
INITIAL MBSHPARM(3,FMPT),0	00000620
INITIAL MBSHPARM(3,FMINW),0	00000630
INITIAL MBSHPARM(3,INTRL),0	00000640
INITIAL MBSHPARM(3,WDSIN),0	00000650
INITIAL MBSHPARM(3,RTIME),5	00000660
INITIAL MBSHPARM(3,PRI),124	00000670
INITIAL MBSHPARM(3,CONT),1	00000680
INITIAL MBSHPARM(3,MEM),0	00000690
INITIAL MBSHPARM(3,MAX),2	00000700
INITIAL MBSHPARM(3,FMPT),0	00000710
INITIAL MBSHPARM(3,FMINW),0	00000720
INITIAL MBSHPARM(3,INTRL),0	00000730
INITIAL MBSHPARM(3,WDSIN),0	00000740
INITIAL MBSHPARM(3,RTIME),5	00000750
INITIAL MBSHPARM(3,PRI),124	00000760
INITIAL MBSHPARM(3,CONT),1	00000770
INITIAL MBSHPARM(3,MEM),0	00000780
INITIAL MBSHPARM(3,MAX),2	00000790
INITIAL MBSHPARM(3,FMPT),0	00000800
INITIAL MBSHPARM(3,FMINW),0	00000810
INITIAL MBSHPARM(3,INTRL),0	00000820
INITIAL MBSHPARM(3,WDSIN),0	
INITIAL MBSHPARM(3,RTIME),5	

MODULE 3 PARAMETERS
MATCHED FILTER SM1600

* INITIAL MBSHPARM(3,ACT),0	00000700
* INITIAL MBSHPARM(3,PRI),124	00000710
* INITIAL MBSHPARM(3,CONT),1	00000720
* INITIAL MBSHPARM(3,MEM),0	00000730
* INITIAL MBSHPARM(3,MAX),2	00000740
* INITIAL MBSHPARM(3,FMPT),0	00000750
* INITIAL MBSHPARM(3,FMINW),0	00000760
* INITIAL MBSHPARM(3,INTRL),0	00000770
* INITIAL MBSHPARM(3,WDSIN),0	00000780
* INITIAL MBSHPARM(3,RTIME),5	00000790

INITIAL MH\$HPARM(3,WDOUT),2
INITIAL MH\$HPARM(3,WTIME),5
INITIAL MH\$HPARM(3,CORWD),0
INITIAL MH\$HPARM(3,COMWD),1
INITIAL MX\$FPARM(3,IINTR),12500
INITIAL MX\$FPARM(3,OINTR),12500
INITIAL MX\$FPARM(3,SOFST),0
INITIAL MX\$FPARM(3,UOFAST),0
INITIAL MX\$FPARM(3,MOTIM),0
*
*
* MODULE 4 PARAMETERS
* KEY DEMUX SM1600 CO
*
*
* INITIAL MB\$BPARM(4,ACT),0
* INITIAL MB\$BPARM(4,PRI),123
* INITIAL MB\$BPARM(4,CONT),1
* INITIAL MB\$BPARM(4,MEM),0
* INITIAL MB\$BPARM(4,OMDNR),5
* INITIAL MB\$BPARM(4,OMAX),2
* INITIAL MB\$BPARM(4,FMIOT),0
* INITIAL MB\$BPARM(4,FMPT),0
* INITIAL MB\$BPARM(4,FMINW),0
* INITIAL MB\$BPARM(4,INTRL),0
* INITIAL MH\$HPARM(4,WDSIN),0
* INITIAL MH\$HPARM(4,RTIME),5
* INITIAL MH\$HPARM(4,WDOUT),1
* INITIAL MH\$HPARM(4,WTIME),5
* INITIAL MH\$HPARM(4,CORWD),0
* INITIAL MH\$HPARM(4,COMWD),1
* INITIAL MX\$FPARM(4,IINTR),12500
* INITIAL MX\$FPARM(4,OINTR),12500
* INITIAL MX\$FPARM(4,SOFST),0
* INITIAL MX\$FPARM(4,UOFAST),0
* INITIAL MX\$FPARM(4,MOTIM),0
*
*
* MODULE 5 PARAMETERS
* CORRELATOR SM1600 .5 CO WINDOW 8
*
*
00000830
00000840
00000850
00000860
00000870
00000880
00000890
00000900
00000910
00000920
00000930
00000940
00000950
00000960
00000970
00000980
00000990
0001000
0001010
0001020
0001030
0001040
0001050
0001060
0001070
0001080
0001090
0001100
0001110
0001120
0001130
0001140
0001150
0001160
0001170
0001180
0001190
0001200
0001210
0001220
0001230
0001240

INITIAL MBS\$PARM(5,ACT),0
 INITIAL MBS\$PARM(5,PRI),122
 INITIAL MBS\$PARM(5,CONT),1
 INITIAL MBS\$PARM(5,MEM),0
 INITIAL MBS\$PARM(5,OMDNR),6
 INITIAL MBS\$PARM(5,QMAX),5
 INITIAL MBS\$PARM(5,FMIOT),0
 INITIAL MBS\$PARM(5,FMPT),0
 INITIAL MBS\$PARM(5,FMINW),0
 INITIAL MBS\$PARM(5,INTRL),0
 INITIAL MBS\$PARM(5,WD SIN),0
 INITIAL MBS\$PARM(5,WR TIME),5
 INITIAL MBS\$PARM(5,WDOUT),16
 INITIAL MBS\$PARM(5,WTIME),5
 INITIAL MBS\$PARM(5,CORWD),0
 INITIAL MBS\$PARM(5,CORWD),1
 INITIAL MX\$FPARM(5,INTR),12500
 INITIAL MX\$FPARM(5,SOEST),0
 INITIAL MX\$FPARM(5,SOEST),0
 INITIAL MX\$FPARM(5,SOEST),0
 INITIAL MX\$FPARM(5,SOEST),0
 INITIAL MX\$FPARM(5,MOTIM),0
 *
 *
 * MODULE 6 PARAMETERS
 * SYMBOL PROCESSING SM .5 CO WINDOW 8
 *
 *
 *
 *
 INITIAL MBS\$PARM(6,ACT),0
 INITIAL MBS\$PARM(6,PRI),121
 INITIAL MBS\$PARM(6,CONT),1
 INITIAL MBS\$PARM(6,MEM),0
 INITIAL MBS\$PARM(6,OMDNR),7
 INITIAL MBS\$PARM(6,QMAX),2
 INITIAL MBS\$PARM(6,FMIOT),0
 INITIAL MBS\$PARM(6,FMPT),0
 INITIAL MBS\$PARM(6,FMINW),0
 INITIAL MBS\$PARM(6,INTRL),0
 INITIAL MBS\$PARM(6,WD SIN),0
 INITIAL MBS\$PARM(6,WR TIME),20
 INITIAL MBS\$PARM(6,WDOUT),0
 INITIAL MBS\$PARM(6,WTIME),0
 INITIAL MBS\$PARM(6,CORWD),0
 00001250
 00001260
 00001270
 00001280
 00001290
 00001300
 00001310
 00001320
 00001330
 00001340
 00001350
 00001360
 00001370
 00001380
 00001390
 00001400
 00001410
 00001420
 00001430
 00001440
 00001450
 00001460
 00001470
 00001480
 00001490
 00001500
 00001510
 00001520
 00001530
 00001540
 00001550
 00001560
 00001570
 00001580
 00001590
 00001600
 00001610
 00001620
 00001630
 00001640
 00001650
 00001660

INITIAL MH\$HPARM(6,COWD),1 00001670
INITIAL MX\$FPARM(6,IINTR),10000000 00001680
INITIAL MX\$FPARM(6,OINTR),10000000 00001690
INITIAL MX\$FPARM(6,SOFST),0 00001700
INITIAL MX\$FPARM(6,00FST),0 00001710
INITIAL MX\$FPARM(6,MOTIM),12000 00001720
00001730
00001740
00001750
00001760
00001770
00001780
00001790
00001800
00001810
00001820
00001830
00001840
00001850
00001860
00001870
00001880
00001890
00001900
00001910
00001920
00001930
00001940
00001950
00001960
00001970
00001980
00001990
0002000
0002010
0002020
0002030
0002040
0002050
0002060
0002070
0002080

* MODULE 7 PARAMETERS
* SYNC PROCESSING SM .5 CO WINDOW 8

INITIAL MB\$SPARM(7,ACT),0
INITIAL MB\$SPARM(7,PRI),120
INITIAL MR\$SPARM(7,CONT),2
INITIAL MR\$SPARM(7,MEM),0
INITIAL MB\$SPARM(7,OMDNR),2
INITIAL MB\$SPARM(7,QMAX),2
INITIAL MR\$SPARM(7,FMIOT),0
INITIAL MR\$SPARM(7,FMPT),0
INITIAL MB\$SPARM(7,FMINM),0
INITIAL MB\$SPARM(7,INTRL),6
INITIAL MH\$HPARM(7,WUSIN),0
INITIAL MH\$HPARM(7,RIME),0
INITIAL MH\$HPARM(7,WDOU),1
INITIAL MH\$HPARM(7,WTIME),20
INITIAL MH\$HPARM(7,CORWD),0
INITIAL MH\$HPARM(7,COWD),1
INITIAL MX\$FPARM(7,IINTR),10000000
INITIAL MX\$FPARM(7,OINTR),10000000
INITIAL MX\$FPARM(7,SOFST),0
INITIAL MX\$FPARM(7,00FST),0
INITIAL MX\$FPARM(7,MOTIM),2000

* MODULE 8 PARAMETERS
* WORD PROCESSING SM .5 CO

INITIAL MB\$SPARM(8,ACT),0
INITIAL MB\$SPARM(8,PRI),119
INITIAL MB\$SPARM(8,CONT),2

```

INITIAL MB$BPARAM(8, MEM), 0
INITIAL MB$BPARAM(8, OMDNR), 0
INITIAL MB$BPARAM(8, QMAX), 2
INITIAL MB$BPARAM(8, FMLOT), 0
INITIAL MB$BPARAM(8, FMPT), 0
INITIAL MB$BPARAM(8, FMINW), 0
INITIAL MB$BPARAM(8, INTPL), 7
INITIAL MH$BPARAM(8, WDSIN), 0
INITIAL MH$BPARAM(8, WTIME), 0
INITIAL MH$BPARAM(8, WDOOT), 2
INITIAL MH$BPARAM(8, WTIME), 20
INITIAL MH$BPARAM(8, CORWD), 0
INITIAL MH$BPARAM(8, CORWD), 1
INITIAL MX$BPARAM(8, IINTR), 10000000
INITIAL MX$BPARAM(8, OINTR), 150000000
INITIAL MX$BPARAM(8, SOFST), 0
INITIAL MX$BPARAM(8, MOTIM), 45000
*
*
*
*
MODULE 9 PARAMETERS
*
INITIAL MB$BPARAM(9, ACT), 0
INITIAL MB$BPARAM(9, PRI), 0
INITIAL MB$BPARAM(9, CONT), 0
INITIAL MB$BPARAM(9, MEM), 0
INITIAL MB$BPARAM(9, OMDNR), 0
INITIAL MH$BPARAM(9, QMAX), 2
INITIAL MH$BPARAM(9, FMLOT), 0
INITIAL MH$BPARAM(9, FMINW), 0
INITIAL MH$BPARAM(9, INTPL), 0
INITIAL MH$BPARAM(9, WDSIN), 0
INITIAL MH$BPARAM(9, WTIME), 0
INITIAL MH$BPARAM(9, WDOOT), 0
INITIAL MH$BPARAM(9, CORWD), 0
INITIAL MH$BPARAM(9, CORWD), 0
INITIAL MX$BPARAM(9, IINTR), 0
INITIAL MX$BPARAM(9, OINTR), 0
INITIAL MX$BPARAM(9, SOFST), 0

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00002110
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00002500

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INITIAL MX\$FPARM(9,*MOTIM),0

MODULE 10 PARAMETERS

INITIAL MB\$RPARM(10,*ACT),0
INITIAL MB\$RPARM(10,*PRI),0
INITIAL MB\$RPARM(10,*CONT),0
INITIAL MB\$RPARM(10,*MEM),0
INITIAL MB\$RPARM(10,*OMDNR),0
INITIAL MB\$RPARM(10,*QMAX),2
INITIAL MB\$RPARM(10,*FMIOI),0
INITIAL MB\$RPARM(10,*FMPT),0
INITIAL MB\$RPARM(10,*FMINW),0
INITIAL MB\$RPARM(10,*INTRL),0
INITIAL MB\$HPARM(10,*WDSIN),0
INITIAL MB\$HPARM(10,*RTIME),0
INITIAL MB\$HPARM(10,*WDOUT),0
INITIAL MB\$HPARM(10,*TIME),0
INITIAL MB\$HPARM(10,*CORWD),0
INITIAL MX\$FPARM(10,*COWD),0
INITIAL MX\$FPARM(10,*INTR),0
INITIAL MX\$FPARM(10,*OINTR),0
INITIAL MX\$FPARM(10,*SOFST),0
INITIAL MX\$FPARM(10,*OOFST),0
INITIAL MX\$FPARM(10,*MOTIM),0

MODULE 11 PARAMETERS

INITIAL MB\$RPARM(11,*ACT),0
INITIAL MB\$RPARM(11,*PRI),0
INITIAL MB\$HPARM(11,*CONT),0
INITIAL MB\$RPARM(11,*MEM),0
INITIAL MB\$RPARM(11,*OMDNR),0
INITIAL MB\$RPARM(11,*QMAX),2
INITIAL MB\$RPARM(11,*FMIOI),0
INITIAL MB\$RPARM(11,*FMPT),0
INITIAL MB\$RPARM(11,*FMINW),0
INITIAL MB\$RPARM(11,*INTRL),0

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INITIAL MH$HPARM(11,WDSIN),0
INITIAL MH$HPARM(11,WTIME),0
INITIAL MH$HPARM(11,WDOU),0
INITIAL MH$HPARM(11,WTIME),0
INITIAL MH$HPARM(11,CORWD),0
INITIAL MH$HPARM(11,COWWD),0
INITIAL MX$FPARM(11,IINTR),0
INITIAL MX$FPARM(11,OINTR),0
INITIAL MX$FPARM(11,SOFST),0
INITIAL MX$FPARM(11,OOFS),0
INITIAL MX$FPARM(11,MOTIM),0
*****
* MODULES FOR SM100 EXAMPLE
*****
*
*
* MODULE 12 PARAMETERS
* A/D 2 CHANNELS AT 6400 HZ
*
INITIAL MB$HPARM(12,ACT),0
INITIAL MB$HPARM(12,PRI),126
INITIAL MB$HPARM(12,CONT),1
INITIAL MB$HPARM(12,MEM),0
INITIAL MB$HPARM(12,OMDNR),13
INITIAL MB$HPARM(12,OMAX),2
INITIAL MB$HPARM(12,FMPT),0
INITIAL MB$HPARM(12,FMINW),0
INITIAL MB$HPARM(12,INTRL),0
INITIAL MH$HPARM(12,WDSIN),0
INITIAL MH$HPARM(12,WTIME),5
INITIAL MH$HPARM(12,WDOU),2
INITIAL MH$HPARM(12,WTIME),5
INITIAL MH$HPARM(12,CORWD),0
INITIAL MH$HPARM(12,COWWD),1
INITIAL MX$FPARM(12,IINTR),3125
INITIAL MX$FPARM(12,OINTR),3125
INITIAL MX$FPARM(12,SOFST),0
INITIAL MX$FPARM(12,OOFS),0
INITIAL MX$FPARM(12,MOTIM),0
*
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00002990
00003000
00003010
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MODULE 13 PARAMETERS
IF PRE-PROCESSING SM100

INITIAL MB$BPARM(13,ACT),0
INITIAL MB$BPARM(13,PRI),125
INITIAL MX$FPARM(13,OFFST),0
INITIAL MB$BPARM(13,CONT),1
INITIAL MB$BPARM(13,MEM),0
INITIAL MB$BPARM(13,OMDNR),14
INITIAL MB$BPARM(13,OMAX),4
INITIAL MB$BPARM(13,FMIOT),0
INITIAL MB$BPARM(13,FMMPT),0
INITIAL MB$BPARM(13,FMINW),0
INITIAL MB$BPARM(13,INTRL),0
INITIAL MB$BPARM(13,WDSIN),0
INITIAL MB$BPARM(13,PTIME),5
INITIAL MB$BPARM(13,MDOUT),8
INITIAL MB$BPARM(13,PTIME),5
INITIAL MB$BPARM(13,CORWD),0
INITIAL MB$BPARM(13,COWWD),1
INITIAL MX$FPARM(13,INTR),3125
INITIAL MX$FPARM(13,0INTR),200000
INITIAL MX$FPARM(13,SOFST),0
INITIAL MX$FPARM(13,MOTIM),0

MODULE 14 PARAMETERS
MATCHED FILTER SM100

INITIAL MB$BPARM(14,ACT),0
INITIAL MB$BPARM(14,PRI),124
INITIAL MB$BPARM(14,CONT),1
INITIAL MB$BPARM(14,MEM),0
INITIAL MB$BPARM(14,OMDNR),15
INITIAL MB$BPARM(14,OMAX),2
INITIAL MB$BPARM(14,FMIOT),0
INITIAL MB$BPARM(14,FMMPT),0
INITIAL MB$BPARM(14,FMINW),0
INITIAL MB$BPARM(14,INTRL),0
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INITIAL MH\$HPARM(14,WDSIN),0
INITIAL MH\$HPARM(14,RTIME),5
INITIAL MH\$HPARM(14,WDOUT),2
INITIAL MH\$HPARM(14,WTIME),5
INITIAL MH\$HPARM(14,CORWD),0
INITIAL MH\$HPARM(14,COWD),1
INITIAL MX\$FPARM(14,IINTR),200000
INITIAL MX\$FPARM(14,OINTR),200000
INITIAL MX\$FPARM(14,SOFST),0
INITIAL MX\$FPARM(14,OOFS),0
INITIAL MX\$FPARM(14,MOTIM),0

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*
* MODULE 15 PARAMETERS
* CORRELATOR SM100 .5 CO WINDOW 8
*

INITIAL MB\$RPARM(15,ACT),0
INITIAL MB\$RPARM(15,PRI),122
INITIAL MB\$RPARM(15,CONT),1
INITIAL MB\$RPARM(15,MEM),0
INITIAL MB\$RPARM(15,OMDNR),17
INITIAL MB\$RPARM(15,OMAX),5
INITIAL MB\$RPARM(15,FMIOT),0
INITIAL MB\$RPARM(15,FMMPT),0
INITIAL MB\$RPARM(15,FMINW),0
INITIAL MB\$RPARM(15,INTRL),0
INITIAL MB\$RPARM(15,WDSIN),0
INITIAL MB\$RPARM(15,RTIME),5
INITIAL MB\$RPARM(15,WDOUT),16
INITIAL MB\$RPARM(15,WTIME),5
INITIAL MB\$RPARM(15,CORWD),0
INITIAL MB\$RPARM(15,COWD),1
INITIAL MX\$FPARM(15,IINTR),200000
INITIAL MX\$FPARM(15,OINTR),1000000
INITIAL MX\$FPARM(15,SOFST),0
INITIAL MX\$FPARM(15,OOFS),0
INITIAL MX\$FPARM(15,MOTIM),0

*
* MODULE 16 PARAMETERS
* KG DEMUX SM100 C0
*

INITIAL	MR\$BPARM(16,ACT),0	00004190
INITIAL	MB\$BPARM(16,PRI),123	00004200
INITIAL	MB\$BPARM(16,CONT),1	00004210
INITIAL	MB\$BPARM(16,MEM),0	00004220
INITIAL	MB\$BPARM(16,OMDNR),15	00004230
INITIAL	MB\$BPARM(16,QMAX),2	00004240
INITIAL	MB\$BPARM(16,FMIOT),0	00004250
INITIAL	MB\$BPARM(16,FMPT),0	00004260
INITIAL	MB\$BPARM(16,FMINW),0	00004270
INITIAL	MB\$BPARM(16,WDSIN),0	00004280
INITIAL	MH\$HPARM(16,RTIME),5	00004290
INITIAL	MH\$HPARM(16,WDOUR),1	00004300
INITIAL	MH\$HPARM(16,WTIME),5	00004310
INITIAL	MH\$HPARM(16,CORWD),0	00004320
INITIAL	MX\$FPARM(16,IINTR),12500	00004330
INITIAL	MX\$FPARM(16,OINTR),200000	00004340
INITIAL	MX\$FPARM(16,SOFST),0	00004350
INITIAL	MX\$FPARM(16,MOFST),0	00004360
INITIAL	MX\$FPARM(16,MOTIM),0	00004370
INITIAL	MR\$BPARM(17,ACT),0	00004420
INITIAL	MB\$BPARM(17,PRI),121	00004430
INITIAL	MB\$BPARM(17,CONT),1	00004440
INITIAL	MB\$BPARM(17,MEM),0	00004450
INITIAL	MB\$BPARM(17,OMDNR),18	00004460
INITIAL	MB\$BPARM(17,QMAX),2	00004470
INITIAL	MB\$BPARM(17,FMIOT),0	00004480
INITIAL	MB\$BPARM(17,FMPT),0	00004490
INITIAL	MB\$BPARM(17,FMINW),0	00004500
INITIAL	MH\$HPARM(17,RTIME),20	00004510
INITIAL	MH\$HPARM(17,WDSIN),0	00004520
INITIAL	MH\$HPARM(17,WDOUR),0	00004530
INITIAL	MH\$HPARM(17,MOFST),0	00004540
INITIAL	MH\$HPARM(17,MOTIM),0	00004550
INITIAL	MH\$HPARM(17,OMDNR),15	00004560
INITIAL	MH\$HPARM(17,QMAX),2	00004570
INITIAL	MH\$HPARM(17,FMIOT),0	00004580
INITIAL	MH\$HPARM(17,FMPT),0	00004590
INITIAL	MH\$HPARM(17,FMINW),0	00004600

* MODULE 17 PARAMETERS

* SYMBOL PROCESSING SM .5 CO WINDOW 8

INITIAL MHSHPARM(17,WTIME),0
INITIAL MHSHPARM(17,CORWD),0
INITIAL MHSHPARM(17,COWD),1
INITIAL MX\$FPARM(17,IINTR),1000000
INITIAL MX\$FPARM(17,OINTR),1000000
INITIAL MX\$FPARM(17,SOFST),0
INITIAL MX\$FPARM(17,OOFS),0
INITIAL MX\$FPARM(17,MOTIM),2000

MODULE 18 PARAMETERS
SYNC PROCESSING SM .5 CO

INITIAL MB\$RPARM(18,ACT),0
INITIAL MB\$RPARM(18,PRI),120
INITIAL MB\$RPARM(18,CONT),2
INITIAL MB\$RPARM(18,MEM),0
INITIAL MB\$RPARM(18,OMDNR),13
INITIAL MR\$BPARM(18,QMAX),2
INITIAL MR\$BPARM(18,FMIOT),0
INITIAL MB\$RPARM(18,FMPPT),0
INITIAL MB\$RPARM(18,FMINW),0
INITIAL MB\$RPARM(18,INTRL),17
INITIAL MHSHPARM(18,WDSIN),0
INITIAL MHSHPARM(18,WTIME),0
INITIAL MHSHPARM(18,WDOUT),1
INITIAL MHSHPARM(18,WTIME),20
INITIAL MHSHPARM(18,CORWD),0
INITIAL MHSHPARM(18,COWD),1
INITIAL MX\$FPARM(18,IINTR),1000000
INITIAL MX\$FPARM(18,OINTR),1000000
INITIAL MX\$FPARM(18,SOFST),0
INITIAL MX\$FPARM(18,OOFS),0
INITIAL MX\$FPARM(18,MOTIM),2000

MODULE 19 PARAMETERS
WORD PROCESSING SM .5 CO

INITIAL MB\$BPARM(19,ACT),0

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00004950
00004960
00004970
00004980
00004990
00005000
00005010
00005020

INITIAL MB\$BPARM(19,PRI),119
INITIAL MH\$BPARM(19,CONT),2
INITIAL MB\$BPARM(19,MEM),0
INITIAL MH\$BPARM(19,OMONR),0
INITIAL MB\$BPARM(19,QMAX),2
INITIAL MH\$BPARM(19,FMLOT),0
INITIAL MB\$BPARM(19,FMPT),0
INITIAL MH\$BPARM(19,FMINW),0
INITIAL MB\$BPARM(19,INTRL),18
INITIAL MH\$BPARM(19,WDSIN),0
INITIAL MB\$BPARM(19,WDOOT),2
INITIAL MH\$BPARM(19,WTIME),20
INITIAL MB\$BPARM(19,CORWD),0
INITIAL MH\$BPARM(19,COWD),1
INITIAL MX\$FPARM(19,INTR),10000000
INITIAL MX\$BPARM(19,OFST),150000000
INITIAL MX\$FPARM(19,OFST),0
INITIAL MX\$BPARM(19,OFST),0
INITIAL MX\$FPARM(19,MOTIM),45000
*
*
* MODULE 20 PARAMETERS
* CORRELATOR SM100 2 CO WINDOW 8
*
*
INITIAL MB\$BPARM(20,ACT),0
INITIAL MH\$BPARM(20,PRI),124
INITIAL MB\$BPARM(20,CONT),1
INITIAL MH\$BPARM(20,MEM),0
INITIAL MB\$BPARM(20,OMONR),0
INITIAL MH\$BPARM(20,QMAX),2
INITIAL MB\$BPARM(20,FMLOT),0
INITIAL MH\$BPARM(20,FMPT),0
INITIAL MB\$BPARM(20,FMINW),0
INITIAL MH\$BPARM(20,INTRL),0
INITIAL MB\$BPARM(20,WDSIN),0
INITIAL MH\$BPARM(20,WTIME),17
INITIAL MB\$BPARM(20,WDOOT),5
INITIAL MH\$BPARM(20,CORWD),0
INITIAL MB\$BPARM(20,COWD),0

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00005370
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00005390
00005400
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00005440

INITIAL MX\$FPARM(20, IINTR), 200000
INITIAL MX\$FPARM(20, OINTR), 40000000
INITIAL MX\$FPARM(20, S0FST), 0
INITIAL MX\$FPARM(20, 00FST), 0
INITIAL MX\$FPARM(20, MOTIM), 0

*
* MODULE 21 PARAMETERS
* SYMBOL PROCESSING SM100 2 CO WINDOW 8
*

INITIAL MB\$BPARAM(21, ACT), 0
INITIAL MB\$BPARAM(21, PRI), 122
INITIAL MB\$BPARAM(21, CONT), 1
INITIAL MB\$BPARAM(21, MEM), 0
INITIAL MB\$BPARAM(21, 0MONR), 0
INITIAL MB\$BPARAM(21, 0MAX), 2
INITIAL MB\$BPARAM(21, FM10T), 0
INITIAL MB\$BPARAM(21, FM1PT), 0
INITIAL MB\$BPARAM(21, FM1NW), 0
INITIAL MB\$BPARAM(21, INTRL), 0
INITIAL MB\$BPARAM(21, WDSIN), 0
INITIAL MB\$BPARAM(21, RTIME), 0
INITIAL MB\$BPARAM(21, WDOU), 18
INITIAL MB\$BPARAM(21, WTIME), 5
INITIAL MB\$BPARAM(21, CORWD), 0
INITIAL MB\$BPARAM(21, CORWD), 0
INITIAL MX\$FPARM(21, IINTR), 40000000
INITIAL MX\$FPARM(21, OINTR), 40000000
INITIAL MX\$FPARM(21, S0FST), 0
INITIAL MX\$FPARM(21, 00FST), 0
INITIAL MX\$FPARM(21, MOTIM), 0

*
* MODULE 22 PARAMETERS
*

INITIAL MB\$BPARAM(22, ACT), 0
INITIAL MB\$BPARAM(22, PRI), 0
INITIAL MB\$BPARAM(22, CONT), 0
INITIAL MB\$BPARAM(22, MEM), 0
INITIAL MB\$BPARAM(22, 0MONR), 0

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INITIAL MB$RPARM(22,QMAX),2      00005870
INITIAL MB$RPARM(22,FM10T),0    00005880
INITIAL MB$RPARM(22,FMPT),0     00005890
INITIAL MB$RPARM(22,FMINW),0    00005900
INITIAL MH$RPARM(22,INPL),0     00005910
INITIAL MH$RPARM(22,WD$IN),0    00005920
INITIAL MH$RPARM(22,RTIME),0    00005930
INITIAL MH$RPARM(22,WDOUT),0    00005940
INITIAL MH$RPARM(22,WTIME),0    00005950
INITIAL MH$RPARM(22,CORWD),0    00005960
INITIAL MH$RPARM(22,CORWD),0    00005970
INITIAL MX$RPARM(22,IINTR),0    00005980
INITIAL MX$RPARM(22,OINTR),0    00005990
INITIAL MX$RPARM(22,SOFST),0    00006000
INITIAL MX$RPARM(22,OOFS),0     00006010
INITIAL MX$RPARM(22,MOTIM),0    00006020
                                00006030
*                                00006040
*                                00006050
*                                00006060
*                                00006070
                                00006080
INITIAL MB$RPARM(23,ACT),0      00006090
INITIAL MB$RPARM(23,CONT),0    00006100
INITIAL MB$RPARM(23,MEM),0     00006110
INITIAL MB$RPARM(23,OMONP),0    00006120
INITIAL MB$RPARM(23,QMAX),2    00006130
INITIAL MB$RPARM(23,FM10T),0   00006140
INITIAL MB$RPARM(23,FMPT),0    00006150
INITIAL MB$RPARM(23,FMINW),0   00006160
INITIAL MB$RPARM(23,INPL),0    00006170
INITIAL MH$RPARM(23,WD$IN),0   00006180
INITIAL MH$RPARM(23,RTIME),0   00006190
INITIAL MH$RPARM(23,WDOUT),0   00006200
INITIAL MH$RPARM(23,WTIME),0   00006210
INITIAL MH$RPARM(23,CORWD),0   00006220
INITIAL MH$RPARM(23,CORWD),0   00006230
INITIAL MX$RPARM(23,IINTR),0   00006240
INITIAL MX$RPARM(23,OINTR),0   00006250
INITIAL MX$RPARM(23,SOFST),0   00006260
INITIAL MX$RPARM(23,OOFS),0    00006270
INITIAL MX$RPARM(23,MOTIM),0   00006280

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* MODULE 23 PARAMETERS

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INITIAL MB$RPARM(23,ACT),0      00006090
INITIAL MB$RPARM(23,CONT),0    00006100
INITIAL MB$RPARM(23,MEM),0     00006110
INITIAL MB$RPARM(23,OMONP),0    00006120
INITIAL MB$RPARM(23,QMAX),2    00006130
INITIAL MB$RPARM(23,FM10T),0   00006140
INITIAL MB$RPARM(23,FMPT),0    00006150
INITIAL MB$RPARM(23,FMINW),0   00006160
INITIAL MB$RPARM(23,INPL),0    00006170
INITIAL MH$RPARM(23,WD$IN),0   00006180
INITIAL MH$RPARM(23,RTIME),0   00006190
INITIAL MH$RPARM(23,WDOUT),0   00006200
INITIAL MH$RPARM(23,WTIME),0   00006210
INITIAL MH$RPARM(23,CORWD),0   00006220
INITIAL MH$RPARM(23,CORWD),0   00006230
INITIAL MX$RPARM(23,IINTR),0   00006240
INITIAL MX$RPARM(23,OINTR),0   00006250
INITIAL MX$RPARM(23,SOFST),0   00006260
INITIAL MX$RPARM(23,OOFS),0    00006270
INITIAL MX$RPARM(23,MOTIM),0   00006280

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* MODULES FOR SM1600 M-ARY EXAMPLE

* MODULE 24 PARAMETERS
* A/D 2 CHANNELS AT 6400 HZ

* INITIAL MR\$BPARAM(24,ACT),0
* INITIAL MR\$BPARAM(24,PRI),126
* INITIAL MR\$BPARAM(24,CONT),1
* INITIAL MB\$BPARAM(24,MEM),0
* INITIAL MB\$BPARAM(24,OMDNR),25
* INITIAL MB\$BPARAM(24,OMAX),2
* INITIAL MR\$BPARAM(24,FM10T),0
* INITIAL MR\$BPARAM(24,FMMP1),0
* INITIAL MR\$BPARAM(24,FMINW),0
* INITIAL MR\$BPARAM(24,INTPL),0
* INITIAL MH\$BPARAM(24,WDSIN),0
* INITIAL MH\$BPARAM(24,WDTIME),5
* INITIAL MH\$BPARAM(24,WDOUT),2
* INITIAL MH\$BPARAM(24,WTIME),5
* INITIAL MH\$BPARAM(24,CORWD),0
* INITIAL MH\$BPARAM(24,CO*WD),1
* INITIAL MX\$BPARAM(24,IINTR),3125
* INITIAL MX\$BPARAM(24,OINTR),3125
* INITIAL MX\$BPARAM(24,SOFST),0
* INITIAL MX\$BPARAM(24,OOFS1),0
* INITIAL MX\$BPARAM(24,MOTIM),0

* IF PREPROCESSING SM1600
* MODULE 25 PARAMETERS

* INITIAL MB\$BPARAM(25,ACT),0
* INITIAL MB\$BPARAM(25,PRI),125
* INITIAL MB\$BPARAM(25,CONT),1
* INITIAL MB\$BPARAM(25,MEM),0
* INITIAL MB\$BPARAM(25,OMDNR),24
* INITIAL MB\$BPARAM(25,OMAX),4

00006290
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00006680
00006690
00006700

INITIAL MBSBPARM(25,FMPT),0 00006710
INITIAL MBSBPARM(25,FMPT),0 00006720
INITIAL MBSBPARM(25,FMPT),0 00006730
INITIAL MBSBPARM(25,INTRL),0 00006740
INITIAL MBSBPARM(25,WDIN),1 00006750
INITIAL MBSBPARM(25,RTIME),5 00006760
INITIAL MBSBPARM(25,WDOUT),8 00006770
INITIAL MBSBPARM(25,RTIME),5 00006780
INITIAL MBSBPARM(25,CORWD),0 00006790
INITIAL MBSBPARM(25,CORWD),1 00006800
INITIAL MBSBPARM(25,INTR),3125 00006810
INITIAL MBSBPARM(25,INTR),12500 00006820
INITIAL MBSBPARM(25,SOFST),0 00006830
INITIAL MBSBPARM(25,SOFST),0 00006840
INITIAL MBSBPARM(25,MOTIM),0 00006850
INITIAL MBSBPARM(25,MOTIM),0 00006860
INITIAL MBSBPARM(25,MOTIM),0 00006870
INITIAL MBSBPARM(25,MOTIM),0 00006880
INITIAL MBSBPARM(25,MOTIM),0 00006890
INITIAL MBSBPARM(25,MOTIM),0 00006900
INITIAL MBSBPARM(25,MOTIM),0 00006910
INITIAL MBSBPARM(25,MOTIM),0 00006920
INITIAL MBSBPARM(25,MOTIM),0 00006930
INITIAL MBSBPARM(25,MOTIM),0 00006940
INITIAL MBSBPARM(25,MOTIM),0 00006950
INITIAL MBSBPARM(25,MOTIM),0 00006960
INITIAL MBSBPARM(25,MOTIM),0 00006970
INITIAL MBSBPARM(25,MOTIM),0 00006980
INITIAL MBSBPARM(25,MOTIM),0 00006990
INITIAL MBSBPARM(25,MOTIM),0 00007000
INITIAL MBSBPARM(25,MOTIM),0 00007010
INITIAL MBSBPARM(25,MOTIM),0 00007020
INITIAL MBSBPARM(25,MOTIM),0 00007030
INITIAL MBSBPARM(25,MOTIM),0 00007040
INITIAL MBSBPARM(25,MOTIM),0 00007050
INITIAL MBSBPARM(25,MOTIM),0 00007060
INITIAL MBSBPARM(25,MOTIM),0 00007070
INITIAL MBSBPARM(25,MOTIM),0 00007080
INITIAL MBSBPARM(25,MOTIM),0 00007090
INITIAL MBSBPARM(25,MOTIM),0 00007100
INITIAL MBSBPARM(25,MOTIM),0 00007110
INITIAL MBSBPARM(25,MOTIM),0 00007120

* MODULE 26 PARAMETERS

* MATCHED FILTER SM1600

INITIAL MBSBPARM(26,ACT),0
INITIAL MBSBPARM(26,PPI),124
INITIAL MBSBPARM(26,CONT),1
INITIAL MBSBPARM(26,MEM),0
INITIAL MBSBPARM(26,OMNR),28
INITIAL MBSBPARM(26,OMAX),2
INITIAL MBSBPARM(26,FMPT),0
INITIAL MBSBPARM(26,FMPT),0
INITIAL MBSBPARM(26,INTPL),0
INITIAL MBSBPARM(26,INTPL),0
INITIAL MBSBPARM(26,WDIN),5
INITIAL MBSBPARM(26,WDOUT),2
INITIAL MBSBPARM(26,RTIME),5
INITIAL MBSBPARM(26,CORWD),0
INITIAL MBSBPARM(26,CORWD),1
INITIAL MBSBPARM(26,INTR),12500
INITIAL MBSBPARM(26,INTR),12500
INITIAL MBSBPARM(26,SOFST),0
INITIAL MBSBPARM(26,SOFST),0
INITIAL MBSBPARM(26,MOTIM),0

*
*
* MODULE 27 PARAMETERS
* KEY DEMUX SM1600 M-ARY
*
*
* INITIAL MB\$BPARM(27,ACT),*0
* INITIAL MB\$BPARM(27,PRI),*123
* INITIAL MB\$BPARM(27,CONT),*1
* INITIAL MB\$BPARM(27,MEM),*0
* INITIAL MB\$BPARM(27,OMDNR),*28
* INITIAL MB\$BPARM(27,QMAX),*2
* INITIAL MR\$BPARM(27,FMIOI),*0
* INITIAL MB\$BPARM(27,FMPT),*0
* INITIAL MR\$BPARM(27,FMINW),*0
* INITIAL MR\$BPARM(27,INRL),*0
* INITIAL MH\$BPARM(27,WDSIN),*0
* INITIAL MH\$BPARM(27,RTIME),*5
* INITIAL MH\$BPARM(27,WDOU),*65
* INITIAL MH\$BPARM(27,WTIME),*5
* INITIAL MH\$BPARM(27,CORWD),*0
* INITIAL MX\$BPARM(27,IINTR),*12500
* INITIAL MX\$BPARM(27,OINTR),*12500
* INITIAL MX\$BPARM(27,SOFST),*0
* INITIAL MX\$BPARM(27,OOFS),*0
* INITIAL MX\$BPARM(27,MOTIM),*0

*
*
* MODULE 28 PARAMETERS
* CORRELATOR SM1600 .5 M-ARY WINDOW 8
*
*
* INITIAL MB\$BPARM(28,ACT),*0
* INITIAL MB\$BPARM(28,PRI),*122
* INITIAL MB\$BPARM(28,CONT),*1
* INITIAL MB\$BPARM(28,MEM),*0
* INITIAL MB\$BPARM(28,OMDNR),*29
* INITIAL MB\$BPARM(28,QMAX),*5
* INITIAL MB\$BPARM(28,FMIOI),*0
* INITIAL MB\$BPARM(28,FMPT),*0
* INITIAL MB\$BPARM(28,FMINW),*0

00007130
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00007530
00007540

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INITIAL MBSBPARM(28,INTRL),0      00007550
INITIAL MHSHPARM(28,WD SIN),0     00007560
INITIAL MHSHPARM(28,RTIME),20    00007570
INITIAL MHSHPARM(28,WDOUT),1040  00007580
INITIAL MHSHPARM(28,WT:ME),20   00007590
INITIAL MHSHPARM(28,CORWD),0     00007600
INITIAL MHSHPARM(28,CORWD),1    00007610
INITIAL MX$FPARM(28,FINTR),12500 00007620
INITIAL MX$FPARM(28,0INTR),10000000 00007630
INITIAL MX$FPARM(28,SOFST),0    00007640
INITIAL MX$FPARM(28,MOFST),0    00007650
INITIAL MX$FPARM(28,MOFST),0    00007660
INITIAL MX$FPARM(28,MOFST),0    00007670
INITIAL MX$FPARM(28,MOFST),0    00007680
INITIAL MX$FPARM(28,MOFST),0    00007690
INITIAL MX$FPARM(28,MOFST),0    00007700
INITIAL MX$FPARM(28,MOFST),0    00007710
INITIAL MX$FPARM(28,MOFST),0    00007720
INITIAL MX$FPARM(28,MOFST),0    00007730
INITIAL MX$FPARM(28,MOFST),0    00007740
INITIAL MX$FPARM(28,MOFST),0    00007750
INITIAL MX$FPARM(28,MOFST),0    00007760
INITIAL MX$FPARM(28,MOFST),0    00007770
INITIAL MX$FPARM(28,MOFST),0    00007780
INITIAL MX$FPARM(28,MOFST),0    00007790
INITIAL MX$FPARM(28,MOFST),0    00007800
INITIAL MX$FPARM(28,MOFST),0    00007810
INITIAL MX$FPARM(28,MOFST),0    00007820
INITIAL MX$FPARM(28,MOFST),0    00007830
INITIAL MX$FPARM(28,MOFST),0    00007840
INITIAL MX$FPARM(28,MOFST),0    00007850
INITIAL MX$FPARM(28,MOFST),0    00007860
INITIAL MX$FPARM(28,MOFST),0    00007870
INITIAL MX$FPARM(28,MOFST),0    00007880
INITIAL MX$FPARM(28,MOFST),0    00007890
INITIAL MX$FPARM(28,MOFST),0    00007900
INITIAL MX$FPARM(28,MOFST),0    00007910
INITIAL MX$FPARM(28,MOFST),0    00007920
INITIAL MX$FPARM(28,MOFST),0    00007930
INITIAL MX$FPARM(28,MOFST),0    00007940
INITIAL MX$FPARM(28,MOFST),0    00007950
INITIAL MX$FPARM(28,MOFST),0    00007960

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* MODULE 29 PARAMETERS
* SYMBOL PROCESSING SM .5 M-ARY WINDOW 8

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INITIAL MBSBPARM(29,ACT),0
INITIAL MBSBPARM(29,PPI),121
INITIAL MBSBPARM(29,CONT),1
INITIAL MBSBPARM(29,MEM),0
INITIAL MBSBPARM(29,OMDNR),0
INITIAL MBSBPARM(29,OMAX),2
INITIAL MBSBPARM(29,FMPT),0
INITIAL MBSBPARM(29,FMVPT),0
INITIAL MBSBPARM(29,FMINW),0
INITIAL MBSBPARM(29,INTRL),0
INITIAL MBSBPARM(29,WD SIN),0
INITIAL MHSHPARM(29,RTIME),5
INITIAL MHSHPARM(29,WDOUT),520
INITIAL MHSHPARM(29,WT:ME),5
INITIAL MHSHPARM(29,CORWD),0
INITIAL MHSHPARM(29,CORWD),1
INITIAL MX$FPARM(29,FINTR),10000000
INITIAL MX$FPARM(29,0INTR),10000000
INITIAL MX$FPARM(29,SOFST),0
INITIAL MX$FPARM(29,MOFST),0
INITIAL MX$FPARM(29,MOFST),0

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* MODULE 30 PARAMETERS

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INITIAL MH\$HPARM(31,WDOOT),0
INITIAL MH\$HPARM(31,WTIME),0
INITIAL MH\$HPARM(31,CORWD),0
INITIAL MH\$HPARM(31,CORWD),0
INITIAL MH\$HPARM(31,CORWD),0
INITIAL MX\$FPARM(31,IINTR),0
INITIAL MX\$FPARM(31,OINTR),0
INITIAL MX\$FPARM(31,MOTIM),0

00008390
00008400
00008410
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00008450
00008460
00008470
00008480

MODULE 32 PARAMETERS

INITIAL MB\$BPARAM(32,ACT),0
INITIAL MB\$BPARAM(32,PRI),0
INITIAL MB\$BPARAM(32,CONT),0
INITIAL MB\$BPARAM(32,MEM),0
INITIAL MB\$BPARAM(32,OMGR),0
INITIAL MB\$BPARAM(32,QMAX),2
INITIAL MB\$BPARAM(32,FMIOT),0
INITIAL MB\$BPARAM(32,FMPT),0
INITIAL MB\$BPARAM(32,FMINW),0
INITIAL MB\$BPARAM(32,INTRL),0
INITIAL MB\$BPARAM(32,INTRL),0
INITIAL MB\$BPARAM(32,WDOSIN),0
INITIAL MB\$BPARAM(32,RTIME),0
INITIAL MB\$BPARAM(32,WDOOT),0
INITIAL MB\$BPARAM(32,WTIME),0
INITIAL MB\$BPARAM(32,CORWD),0
INITIAL MX\$FPARM(32,IINTR),0
INITIAL MX\$FPARM(32,OINTR),0
INITIAL MX\$FPARM(32,SOFST),0
INITIAL MX\$FPARM(32,OOFTST),0
INITIAL MX\$FPARM(32,MOTIM),0

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00008670
00008680
00008690
00008700
00008710
00008720
00008730
00008740
00008750
00008760
00008770
00008780
00008790
00008800

MODULE 33 PARAMETERS

INITIAL MB\$BPARAM(33,ACT),0
INITIAL MB\$BPARAM(33,PRI),0
INITIAL MB\$BPARAM(33,CONT),0
INITIAL MB\$BPARAM(33,MEM),0

00008760
00008770
00008780
00008790
00008800

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INITIAL MB$BPARM(33,0MDNR),0
INITIAL MB$BPARM(33,0MAX),2
INITIAL MB$BPARM(33,FMIOI),0
INITIAL MB$BPARM(33,FMPT),0
INITIAL MB$BPARM(33,FMINW),0
INITIAL MB$BPARM(33,INTRL),0
INITIAL MB$BPARM(33,WD SIN),0
INITIAL MH$BPARM(33,RTIME),0
INITIAL MH$BPARM(33,WDOUT),0
INITIAL MH$BPARM(33,WTIME),0
INITIAL MH$BPARM(33,CORWD),0
INITIAL MX$BPARM(33,IINTR),0
INITIAL MX$BPARM(33,OINTR),0
INITIAL MX$BPARM(33,SOFST),0
INITIAL MX$BPARM(33,0OFST),0
INITIAL MX$BPARM(33,MOTIM),0
*
*
*
*
MODULE 34 PARAMETERS
*
*
INITIAL MB$BPARM(34,ACT),0
INITIAL MB$BPARM(34,PRI),0
INITIAL MB$BPARM(34,CONT),0
INITIAL MB$BPARM(34,MEM),0
INITIAL MB$BPARM(34,0MDNR),2
INITIAL MB$BPARM(34,FMIOI),0
INITIAL MB$BPARM(34,FMPT),0
INITIAL MB$BPARM(34,FMINW),0
INITIAL MH$BPARM(34,WD SIN),0
INITIAL MH$BPARM(34,RTIME),0
INITIAL MH$BPARM(34,WDOUT),0
INITIAL MH$BPARM(34,WTIME),0
INITIAL MH$BPARM(34,CORWD),0
INITIAL MX$BPARM(34,IINTR),0
INITIAL MX$BPARM(34,OINTR),0
INITIAL MX$BPARM(34,SOFST),0
INITIAL MX$BPARM(34,0OFST),0

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00008990
00009000
00009010
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00009140
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00009190
00009200
00009210
00009220

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INITIAL MX$FPARM(34,MOTIM),0
*
*
*
*
*
MODULE 35 PARAMETERS
*
INITIAL MB$BPARAM(35,ACT),0
INITIAL MB$BPARAM(35,PRI),0
INITIAL MB$BPARAM(35,CONT),0
INITIAL MB$BPARAM(35,MEM),0
INITIAL MB$BPARAM(35,OMDNR),0
INITIAL MB$BPARAM(35,QMAX),2
INITIAL MB$BPARAM(35,FMIOT),0
INITIAL MB$BPARAM(35,FMPT),0
INITIAL MB$BPARAM(35,FMINW),0
INITIAL MB$BPARAM(35,INTRL),0
INITIAL MH$BPARAM(35,ADSIN),0
INITIAL MH$BPARAM(35,RTIME),0
INITIAL MH$BPARAM(35,WDOU),0
INITIAL MH$BPARAM(35,WTIME),0
INITIAL MH$BPARAM(35,CORWD),0
INITIAL MH$BPARAM(35,COWD),0
INITIAL MX$BPARAM(35,IINTR),0
INITIAL MX$BPARAM(35,OINTR),0
INITIAL MX$BPARAM(35,SOFST),0
INITIAL MB$BPARAM(35,FMPT),0
INITIAL MX$BPARAM(35,MOTIM),0
*****
* MODULES FOR SR00 EXAMPLE
*****
*
*
*
*
MODULE 36 PARAMETERS
*
*
*
*
*
A/D 2 CHANNELS AT 6400 HZ
*
*
*
INITIAL MB$BPARAM(36,ACT),0
INITIAL MB$BPARAM(36,PRI),126
INITIAL MB$BPARAM(36,CONT),1
INITIAL MB$BPARAM(36,MEM),0
INITIAL MB$BPARAM(36,OMDNR),37
INITIAL MB$BPARAM(36,QMAX),2
INITIAL MB$BPARAM(36,FMIOT),0

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00009230
00009240
00009250
00009260
00009270
00009280
00009290
00009300
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00009620
00009630
00009640

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INITIAL MB\$RPARM(36,FMPT),0 00009650
INITIAL MB\$RPARM(36,FINW),0 00009660
INITIAL MB\$RPARM(36,INTPL),0 00009670
INITIAL MH\$HPARM(36,WDSIN),0 00009680
INITIAL MH\$HPARM(36,RTIME),5 00009690
INITIAL MH\$HPARM(36,WDOUT),2 00009700
INITIAL MH\$HPARM(36,WTIME),5 00009710
INITIAL MH\$HPARM(36,CORWD),0 00009720
INITIAL MH\$HPARM(36,COWD),1 00009730
INITIAL MX\$FPARM(36,IINTR),3125 00009740
INITIAL MX\$FPARM(36,COWD),1 00009750
INITIAL MX\$FPARM(36,SOFST),0 00009760
INITIAL MX\$FPARM(36,OOFS),0 00009770
INITIAL MX\$FPARM(36,MOTIM),0 00009780
* 00009790
* 00009800
* 00009810
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* 00009970
* 00009980
* 00009990
* 00010000
* 00010010
* 00010020
* 00010030
* 00010040
* 00010050
* 00010060

* MODULE 37 PARAMETERS
* IF PRE-PROCESSING SM800
*

INITIAL MB\$RPARM(37,ACT),0
INITIAL MB\$RPARM(37,PPI),125
INITIAL MB\$RPARM(37,CONT),1
INITIAL MB\$RPARM(37,MEM),0
INITIAL MB\$RPARM(37,OMAX),4
INITIAL MB\$RPARM(37,FMPT),0
INITIAL MH\$HPARM(37,FINW),0
INITIAL MH\$HPARM(37,INTPL),0
INITIAL MH\$HPARM(37,WDSIN),0
INITIAL MH\$HPARM(37,RTIME),5
INITIAL MH\$HPARM(37,WDOUT),8
INITIAL MH\$HPARM(37,WTIME),5
INITIAL MH\$HPARM(37,CORWD),0
INITIAL MH\$HPARM(37,COWD),1
INITIAL MX\$FPARM(37,IINTR),3125
INITIAL MX\$FPARM(37,SOFST),0
INITIAL MX\$FPARM(37,OOFS),0
* 00010050
* 00010060

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*
* MODULE 38 PARAMETERS
* MATCHED FILTER SM800
*
*
* INITIAL MB$PARM(38,ACT),0
* INITIAL MB$PARM(38,PRI),124
* INITIAL MB$PARM(38,CONT),1
* INITIAL MB$PARM(38,MEM),0
* INITIAL MB$PARM(38,OMDNR),44
* INITIAL MB$PARM(38,OMAX),2
* INITIAL MB$PARM(38,FMIOI),0
* INITIAL MB$PARM(38,FMPT),0
* INITIAL MB$PARM(38,FMINW),0
* INITIAL MB$PARM(38,INTRL),0
* INITIAL MB$PARM(38,WD$IN),0
* INITIAL MB$PARM(38,RTIME),5
* INITIAL MB$PARM(38,WDOUT),2
* INITIAL MB$PARM(38,WTIME),5
* INITIAL MB$PARM(38,CORWD),0
* INITIAL MB$PARM(38,COWD),1
* INITIAL MX$FPARM(38,IINTR),25000
* INITIAL MX$FPARM(38,OFST),0
* INITIAL MX$FPARM(38,OOFS),0
* INITIAL MX$FPARM(38,MOTIM),0
*
*
*
* MODULE 39 PARAMETERS
* CORRELATOR SM800 2 CO WINDOW 16
*
*
*
* INITIAL MB$PARM(39,ACT),0
* INITIAL MB$PARM(39,PRI),122
* INITIAL MB$PARM(39,CONT),1
* INITIAL MB$PARM(39,MEM),0
* INITIAL MB$PARM(39,OMDNR),41
* INITIAL MB$PARM(39,OMAX),5
* INITIAL MB$PARM(39,FMIOI),0
* INITIAL MB$PARM(39,FMPT),0
* INITIAL MB$PARM(39,FMINW),0
* INITIAL MB$PARM(39,INTRL),0
*

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00010070
00010080
00010090
00010100
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00010120
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00010170
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00010200
00010210
00010220
00010230
00010240
00010250
00010260
00010270
00010280
00010290
00010300
00010310
00010320
00010330
00010340
00010350
00010360
00010370
00010380
00010390
00010400
00010410
00010420
00010430
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00010450
00010460
00010470
00010480

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INITIAL MB\$BPARM(41,ACT),0	00010910
INITIAL MB\$BPARM(41,PRI),121	00010920
INITIAL MB\$BPARM(41,CONT),1	00010930
INITIAL MB\$BPARM(41,MEM),0	00010940
INITIAL MB\$BPARM(41,OMDNR),42	00010950
INITIAL MB\$BPARM(41,OMAX),2	00010960
INITIAL MB\$BPARM(41,FMIOI),0	00010970
INITIAL MB\$BPARM(41,FMMP),0	00010980
INITIAL MB\$BPARM(41,FMINW),0	00010990
INITIAL MB\$BPARM(41,INTRL),0	00011000
INITIAL MH\$BPARM(41,WDSIN),0	00011010
INITIAL MH\$BPARM(41,RTIME),20	00011020
INITIAL MH\$BPARM(41,WDOUT),0	00011030
INITIAL MH\$BPARM(41,WTIME),0	00011040
INITIAL MH\$BPARM(41,CORWD),0	00011050
INITIAL MH\$BPARM(41,COWD),1	00011060
INITIAL MX\$FPARM(41,IINTR),40000000	00011070
INITIAL MX\$FPARM(41,OINTR),40000000	00011080
INITIAL MX\$FPARM(41,SOFST),0	00011090
INITIAL MX\$FPARM(41,OOFS),0	00011100
INITIAL MX\$FPARM(41,MOTIM),12000	00011110
	00011120
	00011130
	00011140
	00011150
	00011160
	00011170
	00011180
	00011190
	00011200
	00011210
	00011220
	00011230
	00011240
	00011250
	00011260
	00011270
	00011280
	00011290
	00011300
	00011310
	00011320

* MODULE 42 PARAMETERS

* SYNC PROCESSING SM 2 CO

INITIAL MB\$BPARM(42,ACT),0	
INITIAL MB\$BPARM(42,PRI),120	
INITIAL MB\$BPARM(42,CONT),2	
INITIAL MB\$BPARM(42,MEM),0	
INITIAL MB\$BPARM(42,OMDNR),37	
INITIAL MB\$BPARM(42,OMAX),2	
INITIAL MB\$BPARM(42,FMIOI),0	
INITIAL MB\$BPARM(42,FMMP),0	
INITIAL MB\$BPARM(42,FMINW),0	
INITIAL MH\$BPARM(42,INTRL),41	
INITIAL MH\$BPARM(42,WDSIN),0	
INITIAL MH\$BPARM(42,RTIME),0	
INITIAL MH\$BPARM(42,WDOUT),1	
INITIAL MH\$BPARM(42,WTIME),20	

INITIAL MH\$HPARM(42,COMWD),0
INITIAL MH\$HPARM(42,COMWD),1
INITIAL MX\$FPARM(42,IINTR),6000000000
INITIAL MX\$FPARM(42,OINTR),6000000000
INITIAL MX\$FPARM(42,SOFST),0
INITIAL MX\$FPARM(42,DOFST),0
INITIAL MX\$FPARM(42,MOTIM),2000

*
* MODULE 43 PARAMETERS
* WORD PROCESSING SM 2 CO
*
*
*

INITIAL MB\$RPARM(43,ACT),0
INITIAL MB\$RPARM(43,PRI),119
INITIAL MB\$RPARM(43,CONT),2
INITIAL MB\$RPARM(43,MEM),0
INITIAL MB\$RPARM(43,OMDNR),0
INITIAL MB\$RPARM(43,QMAX),2
INITIAL MB\$RPARM(43,FMIOT),0
INITIAL MB\$RPARM(43,FMPT),0
INITIAL MB\$RPARM(43,FMINW),0
INITIAL MB\$RPARM(43,INPL),42
INITIAL MH\$HPARM(43,WDSIN),0
INITIAL MH\$HPARM(43,RTIME),0
INITIAL MH\$HPARM(43,WDOOT),2
INITIAL MH\$HPARM(43,WTIME),20
INITIAL MH\$HPARM(43,COMWD),0
INITIAL MH\$HPARM(43,COMWD),0
INITIAL MX\$FPARM(43,IINTR),6000000000
INITIAL MX\$FPARM(43,OINTR),6000000000
INITIAL MX\$FPARM(43,SOFST),0
INITIAL MX\$FPARM(43,DOFST),0
INITIAL MX\$FPARM(43,MOTIM),45000

*
* MODULE 44 PARAMETERS
* CORRELATOR SM800 .5 CO WINDOW 8
*
*
*

INITIAL MB\$BPARM(44,ACT),0
INITIAL MB\$BPARM(44,PRI),122

00011330
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00011740

INITIAL MB\$PPARM(44,CONT),1 00011750
INITIAL MB\$PPARM(44,MEM),0 00011760
INITIAL MB\$PPARM(44,OMDNR),45 00011770
INITIAL MB\$PPARM(44,QMAX),5 00011780
INITIAL MB\$PPARM(44,FMIOI),0 00011790
INITIAL MB\$PPARM(44,FMPT),0 00011800
INITIAL MB\$PPARM(44,FMINW),0 00011810
INITIAL MB\$PPARM(44,INTRL),0 00011820
INITIAL MB\$PPARM(44,WDSIN),0 00011830
INITIAL MH\$PPARM(44,RTIME),5 00011840
INITIAL MH\$PPARM(44,WDOU),16 00011850
INITIAL MH\$PPARM(44,WTIME),5 00011860
INITIAL MH\$PPARM(44,CORWD),0 00011870
INITIAL MH\$PPARM(44,COWD),1 00011880
INITIAL MX\$PPARM(44,IINTR),25000 00011890
INITIAL MX\$PPARM(44,OINTR),10000000 00011900
INITIAL MX\$PPARM(44,SOFST),0 00011910
INITIAL MX\$PPARM(44,00FST),0 00011920
INITIAL MX\$PPARM(44,MOIIM),0 00011930
* 00011940
* 00011950
* 00011960
* 00011970
* 00011980
* 00011990
INITIAL MB\$HPARM(45,ACT),0 00012000
INITIAL MB\$HPARM(45,PRI),121 00012010
INITIAL MB\$HPARM(45,CONT),1 00012020
INITIAL MB\$HPARM(45,MEM),0 00012030
INITIAL MB\$HPARM(45,OMDNR),46 00012040
INITIAL MB\$HPARM(45,QMAX),2 00012050
INITIAL MB\$HPARM(45,FMIOI),0 00012060
INITIAL MB\$HPARM(45,FMPT),0 00012070
INITIAL MB\$HPARM(45,FMINW),0 00012080
INITIAL MB\$HPARM(45,INTRL),0 00012090
INITIAL MH\$HPARM(45,WDSIN),0 00012100
INITIAL MH\$HPARM(45,RTIME),20 00012110
INITIAL MH\$HPARM(45,WDOU),0 00012120
INITIAL MH\$HPARM(45,WTIME),0 00012130
INITIAL MH\$HPARM(45,CORWD),0 00012140
INITIAL MH\$HPARM(45,COWD),1 00012150
INITIAL MX\$HPARM(45,IINTR),10000000 00012160

*
*
* MODULE 45 PARAMETERS
*
*
*

* SYMBOL PROCESSING SM .5 C0 WINDOW 8

INITIAL MX\$FPARM(45,0INTR),10000000
INITIAL MX\$FPARM(45,SOFST),0
INITIAL MX\$FPARM(45,0OFST),0
INITIAL MX\$FPARM(45,MOTIM),12000

00012170
00012180
00012190
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00012240
00012250
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00012500
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00012570
00012580

* MODULE 46 PARAMETERS
* SYNC PROCESSING SM .5 CO

INITIAL MB\$HPARM(46,ACT),0
INITIAL MB\$HPARM(46,PRI),120
INITIAL MB\$HPARM(46,CONT),2
INITIAL MB\$HPARM(46,MEM),0
INITIAL MB\$HPARM(46,OMDNR),37
INITIAL MB\$HPARM(46,OMAX),2
INITIAL MB\$HPARM(46,FMIOI),0
INITIAL MB\$HPARM(46,FMPT),0
INITIAL MB\$HPARM(46,FMINW),0
INITIAL MB\$HPARM(46,INRL),45
INITIAL MB\$HPARM(46,WDSIN),0
INITIAL MB\$HPARM(46,RTIME),0
INITIAL MB\$HPARM(46,WDOUI),1
INITIAL MB\$HPARM(46,WTIME),20
INITIAL MB\$HPARM(46,CORWD),0
INITIAL MB\$HPARM(46,COWD),1
INITIAL MX\$FPARM(46,IINTR),10000000
INITIAL MX\$FPARM(46,0INTR),10000000
INITIAL MX\$FPARM(46,SOFST),0
INITIAL MX\$FPARM(46,0OFST),0
INITIAL MX\$FPARM(46,MOTIM),2000

* MODULE 47 PARAMETERS
* WORD PROCESSING SM .5 CO

INITIAL MB\$HPARM(47,ACT),0
INITIAL MB\$HPARM(47,PRI),119
INITIAL MB\$HPARM(47,CONT),2
INITIAL MB\$HPARM(47,MEM),0
INITIAL MB\$HPARM(47,OMDNR),0

INITIAL MB\$HPARM(47,QMAX),2
 INITIAL MR\$HPARM(47,FMIOT),0
 INITIAL MR\$HPARM(47,FMPT),0
 INITIAL MB\$HPARM(47,FMINW),0
 INITIAL MB\$HPARM(47,INTRL),46
 INITIAL MH\$HPARM(47,WDSIN),0
 INITIAL MH\$HPARM(47,RTIME),0
 INITIAL MH\$HPARM(47,WDOUT),2
 INITIAL MH\$HPARM(47,WTIME),20
 INITIAL MH\$HPARM(47,CORWD),0
 INITIAL MH\$HPARM(47,COWD),1
 INITIAL MX\$FPARM(47,IINTR),10000000
 INITIAL MX\$FPARM(47,OINTR),10000000
 INITIAL MX\$FPARM(47,SOFST),0
 INITIAL MX\$FPARM(47,OOFS),0
 INITIAL MX\$FPARM(47,MOTIM),45000

MODULE 48 PARAMETERS

INITIAL MB\$HPARM(48,ACT),0
 INITIAL MB\$HPARM(48,PRI),0
 INITIAL MB\$HPARM(48,CONT),0
 INITIAL MB\$HPARM(48,MEM),0
 INITIAL MB\$HPARM(48,OMDNR),0
 INITIAL MB\$HPARM(48,QMAX),2
 INITIAL MB\$HPARM(48,FMIOT),0
 INITIAL MB\$HPARM(48,FMPT),0
 INITIAL MB\$HPARM(48,FMINW),0
 INITIAL MB\$HPARM(48,INTRL),0
 INITIAL MH\$HPARM(48,INTRL),0
 INITIAL MH\$HPARM(48,RTIME),0
 INITIAL MH\$HPARM(48,WDOUT),0
 INITIAL MH\$HPARM(48,WTIME),0
 INITIAL MH\$HPARM(48,CORWD),0
 INITIAL MH\$HPARM(48,COWD),0
 INITIAL MX\$FPARM(48,IINTR),0
 INITIAL MX\$FPARM(48,OINTR),0
 INITIAL MX\$FPARM(48,SOFST),0
 INITIAL MX\$FPARM(48,OOFS),0
 INITIAL MX\$FPARM(48,MOTIM),0



00013010
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00013250
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00013290
00013300
00013310

MODULE 49 PARAMETERS

INITIAL MB\$BPARM(49,ACT)*0
INITIAL MB\$BPARM(49,PRI)*0
INITIAL MB\$BPARM(49,CONT)*0
INITIAL MB\$BPARM(49,MEM)*0
INITIAL MB\$BPARM(49,OMDNR)*0
INITIAL MB\$BPARM(49,OMAX)*2
INITIAL MB\$BPARM(49,FMIOT)*0
INITIAL MB\$BPARM(49,FMMPT)*0
INITIAL MB\$BPARM(49,FMINW)*0
INITIAL MB\$BPARM(49,INTRL)*0
INITIAL MB\$BPARM(49,WDSIN)*0
INITIAL MB\$BPARM(49,RTIME)*0
INITIAL MB\$BPARM(49,WDOU)*0
INITIAL MB\$BPARM(49,WTIME)*0
INITIAL MB\$BPARM(49,CORWD)*0
INITIAL MB\$BPARM(49,COWMD)*0
INITIAL MX\$FPARM(49,INTR)*0
INITIAL MX\$FPARM(49,INTRI)*0
INITIAL MX\$FPARM(49,SOFST)*0
INITIAL MX\$FPARM(49,MOTIM)*0

MODULE 50 PARAMETERS

INITIAL MB\$BPARM(50,ACT)*0
INITIAL MB\$BPARM(50,PRI)*0
INITIAL MB\$BPARM(50,CONT)*0
INITIAL MB\$BPARM(50,FMMPT)*0
INITIAL MB\$BPARM(50,MEM)*0
INITIAL MB\$BPARM(50,OMDNR)*0
INITIAL MB\$BPARM(50,OMAX)*2
INITIAL MB\$BPARM(50,FMIOT)*0
INITIAL MB\$BPARM(50,FMMPT)*0
INITIAL MB\$BPARM(50,FMINW)*0
INITIAL MB\$BPARM(50,INTRL)*0


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INITIAL MB$BPARAM(55,FMMPT),0
INITIAL MB$BPARAM(55,FMINW),0
INITIAL MB$BPARAM(55,INTRL),0
INITIAL MH$HPARAM(55,WDSIN),0
INITIAL MH$HPARAM(55,RTIME),0
INITIAL MH$HPARAM(55,WDOOT),0
INITIAL MH$HPARAM(55,WTIME),0
INITIAL MH$HPARAM(55,CORWD),0
INITIAL MH$HPARAM(55,COWD),0
INITIAL MX$FPARAM(55,IINTR),0
INITIAL MX$FPARAM(55,OINTR),0
INITIAL MX$FPARAM(55,SOFST),0
INITIAL MX$FPARAM(55,OOFTS),0
INITIAL MX$FPARAM(55,MOTIM),0
*
*
*
*
MODULE 56 PARAMETERS
*
*
INITIAL MB$BPARAM(56,ACT),0
INITIAL MB$BPARAM(56,PRI),0
INITIAL MB$BPARAM(56,CONT),0
INITIAL MB$BPARAM(56,MEN),0
INITIAL MB$BPARAM(56,OMDNR),0
INITIAL MB$BPARAM(56,OMAX),2
INITIAL MB$BPARAM(56,FMIOT),0
INITIAL MB$BPARAM(56,FMMPT),0
INITIAL MB$BPARAM(56,FMINW),0
INITIAL MB$BPARAM(56,INTRL),0
INITIAL MH$HPARAM(56,WDSIN),0
INITIAL MH$HPARAM(56,RTIME),0
INITIAL MH$HPARAM(56,WDOOT),0
INITIAL MH$HPARAM(56,WTIME),0
INITIAL MH$HPARAM(56,CORWD),0
INITIAL MH$HPARAM(56,COWD),0
INITIAL MX$FPARAM(56,IINTR),0
INITIAL MX$FPARAM(56,OINTR),0
INITIAL MX$FPARAM(56,SOFST),0
INITIAL MX$FPARAM(56,OOFTS),0
INITIAL MX$FPARAM(56,MOTIM),0
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00014690
00014700
00014710
00014720
00014730
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00014970
00014980
00014990
00015000
00015010
00015020
00015030
00015040
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00015070
00015080
00015090
00015100

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INITIAL MH\$HPARM(58,WTIME)*0
INITIAL MH\$HPARM(58,CORWD)*0
INITIAL MH\$HPARM(58,COWD)*0
INITIAL MX\$FPARM(58,IINTR)*0
INITIAL MX\$FPARM(58,OINTR)*0
INITIAL MX\$FPARM(58,SOFST)*0
INITIAL MX\$FPARM(58,00FST)*0
INITIAL MX\$FPARM(58,MOTIM)*0

00015530
00015540
00015550
00015560
00015570
00015580
00015590
00015600
00015610
00015620

* MODULE 59 PARAMETERS

INITIAL MB\$BPARAM(59,ACT)*0
INITIAL MB\$BPARAM(59,PRI)*0
INITIAL MB\$BPARAM(59,CONT)*0
INITIAL MB\$BPARAM(59,MEM)*0
INITIAL MB\$BPARAM(59,OMONR)*0
INITIAL MB\$BPARAM(59,OMAX)*2
INITIAL MB\$BPARAM(59,FMIO)*0
INITIAL MB\$BPARAM(59,FMPT)*0
INITIAL MB\$BPARAM(59,FMINW)*0
INITIAL MB\$BPARAM(59,INPL)*0
INITIAL MB\$BPARAM(59,WDSIN)*0
INITIAL MB\$BPARAM(59,RTIME)*0
INITIAL MB\$BPARAM(59,WDOU)*0
INITIAL MB\$BPARAM(59,WTIME)*0
INITIAL MB\$BPARAM(59,CORWD)*0
INITIAL MB\$BPARAM(59,COWD)*0
INITIAL MX\$FPARM(59,IINTR)*0
INITIAL MX\$FPARM(59,OINTR)*0
INITIAL MX\$FPARM(59,SOFST)*0
INITIAL MX\$FPARM(59,00FST)*0
INITIAL MX\$FPARM(59,MOTIM)*0

00015630
00015640
00015650
00015660
00015670
00015680
00015690
00015700
00015710
00015720
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00015870
00015880
00015890
00015900
00015910
00015920
00015930
00015940

* MODULE 60 PARAMETERS

INITIAL MB\$BPARAM(60,ACT)*0
INITIAL MB\$BPARAM(60,PRI)*0
INITIAL MB\$BPARAM(60,CONT)*0

INITIAL MB\$PARM(60*MEM)*0 00015950
INITIAL MB\$PARM(60*OMDNR)*0 00015960
INITIAL MB\$PARM(60*OMAX)*2 00015970
INITIAL MB\$PARM(60*FMIO)*0 00015980
INITIAL MB\$PARM(60*FMPT)*0 00015990
INITIAL MB\$PARM(60*FMIN)*0 00016000
INITIAL MB\$PARM(60*INTRL)*0 00016010
INITIAL MH\$PARM(60*WDSIN)*0 00016020
INITIAL MH\$PARM(60*RTIME)*0 00016030
INITIAL MH\$PARM(60*WDOU)*0 00016040
INITIAL MH\$PARM(60*WTIME)*0 00016050
INITIAL MH\$PARM(60*CORWD)*0 00016060
INITIAL MH\$PARM(60*COUWD)*0 00016070
INITIAL MX\$PARM(60*INTR)*0 00016080
INITIAL MX\$PARM(60*OINTR)*0 00016090
INITIAL MX\$PARM(60*SOFS)*0 00016100
INITIAL MX\$PARM(60*OOFST)*0 00016110
INITIAL MX\$PARM(60*MOTIM)*0 00016120
00016130

0

LISTING OF
THE SWITCHING SYSTEM MODULE LIBRARY
(SWMODULE)

DSNAME: \$NLAL2.SWMODULE.CN1L VOLUME: CZISOF DATE: 02/02/77

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0000380

0000390
0000400

INITIAL XFSTPERD,10000000 500 MS PERIOD
INITIAL XRSTIME,34 17 SEC RUN
INITIAL XB\$CCWRI,5 SET WRITE TIME TO 250 NS
INITIAL XRSCMENT,20 SET MEMORY ACCESS TIME TO 1 USEC

* MODULES 1 THRU 17 (EXCEPT 6) ARE BASED ON BUSY HOUR

* MODULE 1 PARAMETERS
* INPUT SERVICE MODULE #1
* PLRS INPUT AND ONE 16-KILORAUD SUBSCRIBER

* INITIAL MB\$HPARM(1,ACT),0
INITIAL MB\$HPARM(1,PRIL),114
INITIAL MB\$HPARM(1,CONT),0
INITIAL MB\$HPARM(1,MEM),3
INITIAL MB\$HPARM(1,FMIOT),7
INITIAL MB\$HPARM(1,FMWP),0
INITIAL MB\$HPARM(1,FMINW),0
INITIAL MB\$HPARM(1,INTL),0
INITIAL MB\$HPARM(1,OMDNP),0
INITIAL MB\$HPARM(1,QMAX),0
INITIAL MB\$HPARM(1,WOSIN),0
INITIAL MB\$HPARM(1,RTIME),110
INITIAL MB\$HPARM(1,WOUT),83
INITIAL MB\$HPARM(1,WTIME),110
INITIAL MB\$HPARM(1,COPAD),2
INITIAL MB\$HPARM(1,COWAD),3
INITIAL MB\$HPARM(1,INTP),3560000
INITIAL MB\$HPARM(1,SOFT),0
INITIAL MB\$HPARM(1,OFFST),0
INITIAL MB\$HPARM(1,MOTIM),11000

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*
* MODULE 2 PARAMETERS
* EDIT/VALIDATION
*
*
* INITIAL MBSPPARM(2,ACT),0
* INITIAL MBSPPARM(2,PERI),115
* INITIAL MBSPPARM(2,CONT),2
* INITIAL MBSPPARM(2,MEM),3
* INITIAL MBSPPARM(2,FMIOT),0
* INITIAL MBSPPARM(2,FMMPT),0
* INITIAL MBSPPARM(2,FMINW),7
* INITIAL MBSPPARM(2,INIRL),13
* INITIAL MBSPPARM(2,OMDNR),0
* INITIAL MBSPPARM(2,OMAX),0
* INITIAL MBSPPARM(2,USIN),30
* INITIAL MBSPPARM(2,RTIME),110
* INITIAL MBSPPARM(2,WDOU),0
* INITIAL MBSPPARM(2,WTIME),110
* INITIAL MBSPPARM(2,CORWD),0
* INITIAL MBSPPARM(2,COWWD),2
* INITIAL MBSPPARM(2,INIR),3200000
* INITIAL MBSPPARM(2,INIR),3200000
* INITIAL MBSPPARM(2,SOFST),0
* INITIAL MBSPPARM(2,UFESI),0
* INITIAL MBSPPARM(2,MOTIM),55000
*

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*
* MODULE 3 PARAMETERS
* LOGGING
*
*
* INITIAL MBSPPARM(3,ACT),0
* INITIAL MBSPPARM(3,PERI),117
* INITIAL MBSPPARM(3,CONT),2
* INITIAL MBSPPARM(3,MEM),3
* INITIAL MBSPPARM(3,FMIOT),0
* INITIAL MBSPPARM(3,FMMPT),0
* INITIAL MBSPPARM(3,FMINW),0
* INITIAL MBSPPARM(3,INIRL),2
* INITIAL MBSPPARM(3,OMDNR),0
* INITIAL MBSPPARM(3,OMAX),0

```

INITIAL MHSHPARM(3,WDSIN).0 00000H30
 INITIAL MHSHPARM(3,WTIME).110 00000H40
 INITIAL MHSHPARM(3,WDOU).0 00000R50
 INITIAL MHSHPARM(3,WTIME).110 00000H60
 INITIAL MHSHPARM(3,COWD).4 00000H70
 INITIAL MHSHPARM(3,COWD).1 00000H80
 INITIAL MHSHPARM(3,COWD).1 00000H90
 INITIAL MX\$FPARM(3,INIRL).3200000 00000900
 INITIAL MX\$FPARM(3,SOINTR).3200000 00000910
 INITIAL MX\$FPARM(3,DOFST).0 00000920
 INITIAL MX\$FPARM(3,MOTIM).33000 00000930
 00000940
 00000950

* MODULE 4 PARAMETERS

* ROUTING

INITIAL MBSHPARM(4,ACT).0 00001000
 INITIAL MBSHPARM(4,PRIL).118 00001010
 INITIAL MBSHPARM(4,CONT).2 00001020
 INITIAL MBSHPARM(4,MEM).3 00001030
 INITIAL MBSHPARM(4,FMPT).0 00001040
 INITIAL MBSHPARM(4,FMPT).0 00001050
 INITIAL MBSHPARM(4,FMINW).0 00001060
 INITIAL MBSHPARM(4,INTPL).3 00001070
 INITIAL MBSHPARM(4,OMDNR).0 00001080
 INITIAL MBSHPARM(4,QMAX).0 00001090
 INITIAL MBSHPARM(4,WDSIN).0 00001100
 INITIAL MBSHPARM(4,RTIME).110 00001110
 INITIAL MBSHPARM(4,WDOU).6 00001120
 INITIAL MBSHPARM(4,WTIME).110 00001130
 INITIAL MBSHPARM(4,COR4D).0 00001140
 INITIAL MBSHPARM(4,COWD).1 00001150
 INITIAL MX\$FPARM(4,INIRL).3200000 00001160
 INITIAL MX\$FPARM(4,SOINTR).3200000 00001170
 INITIAL MX\$FPARM(4,DOFST).0 00001180
 INITIAL MX\$FPARM(4,DOFST).0 00001190
 INITIAL MX\$FPARM(4,MOTIM).33000 00001200
 00001210
 00001220
 00001230
 00001240

* MODULE 5 PARAMETERS

* OUTPUT SERVICE MODULE #1

00001250
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INITIAL MB\$HPARM(5,ACT),0
INITIAL MB\$HPARM(5,PR1),119
INITIAL MB\$HPARM(5,CONT),2
INITIAL MB\$HPARM(5,MEM),3
INITIAL MB\$HPARM(5,EM101),0
INITIAL MB\$HPARM(5,FMPT),0
INITIAL MB\$HPARM(5,FM1W),5
INITIAL MB\$HPARM(5,IN1R),14
INITIAL MB\$HPARM(5,0MDNR),0
INITIAL MB\$HPARM(5,0MAX),0
INITIAL MB\$HPARM(5,0DSIN),320
INITIAL MB\$HPARM(5,RTIME),110
INITIAL MB\$HPARM(5,WDOU),0
INITIAL MB\$HPARM(5,WTIME),110
INITIAL MB\$HPARM(5,CORWD),0
INITIAL MB\$HPARM(5,COWD),2
INITIAL MX\$FPARM(5,I1NR),57600000
INITIAL MX\$FPARM(5,0INTR),57600000
INITIAL MX\$FPARM(5,SOFST),0
INITIAL MX\$FPARM(5,0QEST),0
INITIAL MX\$FPARM(5,0OTIM),11000

*
* MODULE 6 PARAMETERS
* MEMORY MANAGEMENT
*

INITIAL MB\$HPARM(6,ACT),0
INITIAL MB\$HPARM(6,PR1),127
INITIAL MB\$HPARM(6,CONT),0
INITIAL MB\$HPARM(6,MEM),3
INITIAL MB\$HPARM(6,EM101),0
INITIAL MB\$HPARM(6,FMPT),0
INITIAL MB\$HPARM(6,FM1W),0
INITIAL MB\$HPARM(6,IN1R),0
INITIAL MB\$HPARM(6,0MDNR),0
INITIAL MB\$HPARM(6,0MAX),0
INITIAL MB\$HPARM(6,0DSIN),0
INITIAL MB\$HPARM(6,RTIME),110
INITIAL MB\$HPARM(6,WDOU),0

```

INITIAL MH$HPARM(6,WTIME),110
INITIAL MH$HPARM(6,COPWD),20
INITIAL MH$HPARM(6,COWD),14
INITIAL MX$EPARM(6,IINTR),100000
INITIAL MX$FPARM(6,OINTR),100000
INITIAL MX$FPARM(6,SOFST),0
INITIAL MX$EPARM(6,SOFST),0
INITIAL MX$FPARM(6,MOTIM),11000
*
* MODULE 7 PARAMETERS
*
* INPUT SERVICE MODULE #2
* 2 16-KILOBAUD SUBSCRIBERS
*
INITIAL MB$BPARM(7,ACT),0
INITIAL MB$BPARM(7,PHI),111
INITIAL MB$BPARM(7,CONF),0
INITIAL MB$BPARM(7,MEM),3
INITIAL MB$BPARM(7,FMIO),1
INITIAL MB$BPARM(7,FMPT),0
INITIAL MB$BPARM(7,FINW),5
INITIAL MB$BPARM(7,INTRL),0
INITIAL MB$BPARM(7,OMDNR),0
INITIAL MB$BPARM(7,WMAX),0
INITIAL MH$HPARM(7,WOSIN),0
INITIAL MH$HPARM(7,RTIME),110
INITIAL MH$HPARM(7,WDOU),320
INITIAL MH$HPARM(7,WTIME),110
INITIAL MX$FPARM(7,COPWD),2
INITIAL MX$HPARM(7,COWD),2
INITIAL MX$FPARM(7,IINTR),0
INITIAL MX$FPARM(7,OINTR),158400000
INITIAL MX$EPARM(7,SOFST),10
INITIAL MX$FPARM(7,SOFST),11000
INITIAL MX$FPARM(7,MOTIM),11000
*
* MODULE 8 PARAMETERS
*
* OUTPUT SERVICE MODULE #2
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00001670
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00001990
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00002080

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INITIAL	MBSHPARM	(8*ACT)	0	00002090
INITIAL	MBSHPARM	(8*PHI)	120	00002100
INITIAL	MBSHPARM	(8*CONT)	2	00002110
INITIAL	MBSHPARM	(8*MEM)	3	00002120
INITIAL	MBSHPARM	(8*FMIO)	4	00002130
INITIAL	MBSHPARM	(8*FMPT)	0	00002140
INITIAL	MBSHPARM	(8*FMIN)	7	00002150
INITIAL	MBSHPARM	(8*INTR)	15	00002160
INITIAL	MBSHPARM	(8*OMDNR)	0	00002170
INITIAL	MBSHPARM	(8*OMAX)	0	00002180
INITIAL	MBSHPARM	(8*WDSIN)	104	00002190
INITIAL	MBSHPARM	(8*WTIME)	110	00002200
INITIAL	MBSHPARM	(8*WDOUT)	0	00002210
INITIAL	MBSHPARM	(8*WTIME)	110	00002220
INITIAL	MBSHPARM	(8*COR)	0	00002230
INITIAL	MBSHPARM	(8*COM)	0	00002240
INITIAL	MXSFPARM	(8*INTR)	5780000	00002250
INITIAL	MXSFPARM	(8*OINTR)	5780000	00002260
INITIAL	MXSFPARM	(8*SOFS)	0	00002270
INITIAL	MXSFPARM	(8*OFFST)	0	00002280
INITIAL	MXSFPARM	(8*WTIME)	11000	00002290
INITIAL	MXSFPARM	(8*WTIME)	11000	00002300
INITIAL	MXSFPARM	(8*WTIME)	11000	00002310
INITIAL	MXSFPARM	(8*WTIME)	11000	00002320
INITIAL	MXSFPARM	(8*WTIME)	11000	00002330
INITIAL	MXSFPARM	(8*WTIME)	11000	00002340
INITIAL	MXSFPARM	(8*WTIME)	11000	00002350
INITIAL	MXSFPARM	(8*WTIME)	11000	00002360
INITIAL	MXSFPARM	(8*WTIME)	11000	00002370
INITIAL	MXSFPARM	(8*WTIME)	11000	00002380
INITIAL	MXSFPARM	(8*WTIME)	11000	00002390
INITIAL	MXSFPARM	(8*WTIME)	11000	00002400
INITIAL	MXSFPARM	(8*WTIME)	11000	00002410
INITIAL	MXSFPARM	(8*WTIME)	11000	00002420
INITIAL	MXSFPARM	(8*WTIME)	11000	00002430
INITIAL	MXSFPARM	(8*WTIME)	11000	00002440
INITIAL	MXSFPARM	(8*WTIME)	11000	00002450
INITIAL	MXSFPARM	(8*WTIME)	11000	00002460
INITIAL	MXSFPARM	(8*WTIME)	11000	00002470
INITIAL	MXSFPARM	(8*WTIME)	11000	00002480
INITIAL	MXSFPARM	(8*WTIME)	11000	00002490
INITIAL	MXSFPARM	(8*WTIME)	11000	00002500

* MODULE 9 PARAMETERS

* INPUT SERVICE MODULE #3

* 4 SUBSCRIBERS: 1 2400-BAUD, 2 1200-BAUD, 1 600-BAUD SUBSCRIBERS

* MODULE 9 PARAMETERS

* INPUT SERVICE MODULE #3

* 4 SUBSCRIBERS: 1 2400-BAUD, 2 1200-BAUD, 1 600-BAUD SUBSCRIBERS

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INITIAL MH$HPARM(9,CORWD),2 00002510
INITIAL MH$HPARM(9,COWWD),3 00002520
INITIAL MX$FPARM(9,INFR),0 00002530
INITIAL MX$EPARM(9,DINFR),79200000 00002540
INITIAL MX$FPARM(9,SOFST),1000 00002550
INITIAL MX$FPARM(9,OFFST),11000 00002560
INITIAL MX$EPARM(9,MOTIM),11000 00002570
* 00002580
* 00002590
* 00002600
* 00002610
* 00002620
* 00002630
* 00002640
* 00002650
* 00002660
INITIAL MB$HPARM(10,ACT),0 00002670
INITIAL MB$HPARM(10,PR1),121 00002680
INITIAL MB$HPARM(10,CONT),2 00002690
INITIAL MB$HPARM(10,MEM),3 00002700
INITIAL MB$HPARM(10,FM10T),4 00002710
INITIAL MB$HPARM(10,FM1M),7 00002720
INITIAL MB$HPARM(10,DMONR),0 00002730
INITIAL MB$HPARM(10,MAX),0 00002740
INITIAL MH$HPARM(10,WDSIN),104 00002750
INITIAL MH$HPARM(10,PTIME),110 00002760
INITIAL MH$HPARM(10,WDOU),0 00002770
INITIAL MH$HPARM(10,WTIME),110 00002780
INITIAL MH$HPARM(10,CORWD),0 00002790
INITIAL MH$HPARM(10,COWWD),2 00002800
INITIAL MX$FPARM(10,INFR),2890000 00002810
INITIAL MX$FPARM(10,INFR),2890000 00002820
INITIAL MX$FPARM(10,SOFST),0 00002830
INITIAL MX$FPARM(10,OFFST),0 00002840
* 00002850
* 00002860
* 00002870
* 00002880
* 00002890
* 00002900
* 00002910
* 00002920

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* MODULE 10 PARAMETERS
* OUTPUT SERVICE MODULE #3

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* INITIAL MB$HPARM(10,ACT),0

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* MODULE 11 PARAMETERS
* INPUT SERVICE MODULE #4
* 4 SUBSCRIBERS; 1 300-BAUD, 1 150-BAUD, 2 110-BAUD SUBSCRIBERS

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* INITIAL MB$HPARM(11,ACT),0

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INITIAL MBSPPARM(11,PRI),113	00002930
INITIAL MBSPPARM(11,CONT),0	00002940
INITIAL MBSPPARM(11,MEM),3	00002950
INITIAL MBSPPARM(11,EMIOI),1	00002960
INITIAL MBSPPARM(11,FMPT),0	00002970
INITIAL MBSPPARM(11,FMINW),5	00002980
INITIAL MBSPPARM(11,INTRL),0	00002990
INITIAL MBSPPARM(11,OMONR),0	00003000
INITIAL MBSPPARM(11,OMAX),0	00003010
INITIAL MBSPPARM(11,OWDSIN),0	00003020
INITIAL MBSPPARM(11,PTIME),110	00003030
INITIAL MBSPPARM(11,WDOUT),320	00003040
INITIAL MBSPPARM(11,TIME),110	00003050
INITIAL MBSPPARM(11,CORWD),2	00003060
INITIAL MBSPPARM(11,COWD),3	00003070
INITIAL MBSPPARM(11,INIRL),0	00003080
INITIAL MBSPPARM(11,INIRL),0	00003090
INITIAL MBSPPARM(11,SOFT),1250	00003100
INITIAL MBSPPARM(11,OOFSI),5500	00003110
INITIAL MBSPPARM(11,MOTIM),11000	00003120
INITIAL MBSPPARM(11,CORWD),2	00003130
INITIAL MBSPPARM(11,COWD),3	00003140
INITIAL MBSPPARM(11,INIRL),0	00003150
INITIAL MBSPPARM(11,INIRL),0	00003160
INITIAL MBSPPARM(11,INIRL),0	00003170
INITIAL MBSPPARM(11,INIRL),0	00003180
INITIAL MBSPPARM(11,INIRL),0	00003190
INITIAL MBSPPARM(11,INIRL),0	00003200
INITIAL MBSPPARM(11,INIRL),0	00003210
INITIAL MBSPPARM(11,INIRL),0	00003220
INITIAL MBSPPARM(11,INIRL),0	00003230
INITIAL MBSPPARM(11,INIRL),0	00003240
INITIAL MBSPPARM(11,INIRL),0	00003250
INITIAL MBSPPARM(11,INIRL),0	00003260
INITIAL MBSPPARM(11,INIRL),0	00003270
INITIAL MBSPPARM(11,INIRL),0	00003280
INITIAL MBSPPARM(11,INIRL),0	00003290
INITIAL MBSPPARM(11,INIRL),0	00003300
INITIAL MBSPPARM(11,INIRL),0	00003310
INITIAL MBSPPARM(11,INIRL),0	00003320
INITIAL MBSPPARM(11,INIRL),0	00003330
INITIAL MBSPPARM(11,INIRL),0	00003340

* MODULE 12 PARAMETERS

* OUTPUT SERVICE MODULE #4

INITIAL MBSPPARM(12,ACT),0	00003150
INITIAL MBSPPARM(12,CONT),2	00003160
INITIAL MBSPPARM(12,MEM),3	00003170
INITIAL MBSPPARM(12,EMIOI),4	00003180
INITIAL MBSPPARM(12,FMPT),0	00003190
INITIAL MBSPPARM(12,FMINW),7	00003200
INITIAL MBSPPARM(12,INTRL),0	00003210
INITIAL MBSPPARM(12,OMONR),0	00003220
INITIAL MBSPPARM(12,OMAX),0	00003230
INITIAL MBSPPARM(12,OWDSIN),104	00003240
INITIAL MBSPPARM(12,PTIME),110	00003250
INITIAL MBSPPARM(12,WDOUT),320	00003260
INITIAL MBSPPARM(12,TIME),110	00003270
INITIAL MBSPPARM(12,CORWD),2	00003280
INITIAL MBSPPARM(12,COWD),3	00003290
INITIAL MBSPPARM(12,INIRL),0	00003300
INITIAL MBSPPARM(12,INIRL),0	00003310
INITIAL MBSPPARM(12,INIRL),0	00003320
INITIAL MBSPPARM(12,INIRL),0	00003330
INITIAL MBSPPARM(12,INIRL),0	00003340

INITIAL MX\$FPARM(12, IINTR), 2890000
INITIAL MX\$FPARM(12, OINTR), 2890000
INITIAL MX\$FPARM(12, SOFST), 0
INITIAL MX\$FPARM(12, OOEST), 0
INITIAL MX\$FPARM(12, MOTIM), 11000

* MODULES FOR PULLING QUEUES (MAILBOXES)

* MODULE 13 PARAMETERS

* EDIT/VALIDATION SCANNER

INITIAL MB\$PPARM(13, ACT), 0
INITIAL MB\$HPARM(13, PRI), 116
INITIAL MX\$FPARM(13, OOEST), 0
INITIAL MB\$HPARM(13, CONT), 0
INITIAL MB\$PPARM(13, MF), 3
INITIAL MB\$PPARM(13, EMIOI), 0
INITIAL MB\$HPARM(13, FMVPT), 0
INITIAL MB\$HPARM(13, FMINW), 0
INITIAL MB\$HPARM(13, INTR), 0
INITIAL MB\$HPARM(13, OMDW), 0
INITIAL MB\$HPARM(13, OMAX), 0
INITIAL MB\$HPARM(13, WDSIN), 0
INITIAL MB\$HPARM(13, RTIME), 110
INITIAL MB\$HPARM(13, WDOOT), 0
INITIAL MB\$HPARM(13, WTIME), 110
INITIAL MB\$HPARM(13, CORWD), 12
INITIAL MB\$HPARM(13, COWWD), 0
INITIAL MX\$FPARM(13, IINTR), 1000000
INITIAL MX\$FPARM(13, OINTR), 3200000
INITIAL MX\$FPARM(13, SOFST), 0
INITIAL MX\$FPARM(13, MOTIM), 1100

* MODULE 14 PARAMETERS

* OSM #1 SCANNER

INITIAL MBSHPARM(14,ACT),0	00003770
INITIAL MBSHPARM(14,APRI),123	00003780
INITIAL MBSHPARM(14,CONT),0	00003790
INITIAL MBSHPARM(14,MEM),3	00003800
INITIAL MBSHPARM(14,FMINT),4	00003810
INITIAL MBSHPARM(14,FMARI),0	00003820
INITIAL MBSHPARM(14,FMINW),0	00003830
INITIAL MBSHPARM(14,FMINW),0	00003840
INITIAL MBSHPARM(14,INTRL),0	00003850
INITIAL MBSHPARM(14,OMDNR),0	00003860
INITIAL MBSHPARM(14,OMAX),0	00003870
INITIAL MBSHPARM(14,WD SIN),0	00003880
INITIAL MBSHPARM(14,TIME),110	00003890
INITIAL MBSHPARM(14,WDOUT),0	00003900
INITIAL MBSHPARM(14,TIME),110	00003910
INITIAL MBSHPARM(14,CORWD),2	00003920
INITIAL MBSHPARM(14,COWD),0	00003930
INITIAL MBSHPARM(14,INTR),100000	00003940
INITIAL MBSHPARM(14,INTR),57600000	00003950
INITIAL MBSHPARM(14,SOFST),0	00003960
INITIAL MBSHPARM(14,OFFST),0	00003970
INITIAL MBSHPARM(14,MOIM),1100	00003980
°	00003990
°	00004000
°	00004010
°	00004020
°	00004030
°	00004040
°	00004050
INITIAL MBSHPARM(15,ACT),0	00004060
INITIAL MBSHPARM(15,APRI),124	00004070
INITIAL MBSHPARM(15,CONT),0	00004080
INITIAL MBSHPARM(15,MEM),3	00004090
INITIAL MBSHPARM(15,FMINT),4	00004100
INITIAL MBSHPARM(15,FMARI),0	00004110
INITIAL MBSHPARM(15,FMINW),0	00004120
INITIAL MBSHPARM(15,INTRL),0	00004130
INITIAL MBSHPARM(15,OMDNR),0	00004140
INITIAL MBSHPARM(15,OMAX),0	00004150
INITIAL MBSHPARM(15,WD SIN),0	00004160
INITIAL MBSHPARM(15,TIME),110	00004170
INITIAL MBSHPARM(15,WDOUT),0	00004180
INITIAL MBSHPARM(15,TIME),110	00004190
°	00004200
°	00004210
°	00004220
°	00004230
°	00004240
°	00004250
°	00004260
°	00004270
°	00004280
°	00004290
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°	00004950
°	00004960
°	00004970
°	00004980
°	00004990
°	00005000

MODULE 15 PARAMETERS

OSM #2 SCANNER

INITIAL MH\$HPARM(15,CORWD),2	00004190
INITIAL MH\$HPARM(15,CORWD),0	00004200
INITIAL MX\$FPARM(15,INTR),100000	00004210
INITIAL MX\$FPARM(15,INTR),5780000	00004220
INITIAL MX\$FPARM(15,SOFST),0	00004230
INITIAL MX\$FPARM(15,00FST),0	00004240
INITIAL MX\$FPARM(15,MOIM),1100	00004250
*	00004260
*	00004270
MODULE 16 PARAMETERS	00004280
OSM # 3 SCANNER	00004290
*	00004300
*	00004310
INITIAL MB\$HPARM(16,ACT),0	00004320
INITIAL MB\$HPARM(16,PRI),125	00004330
INITIAL MB\$HPARM(16,CONT),0	00004340
INITIAL MB\$HPARM(16,ME),3	00004350
INITIAL MB\$HPARM(16,FMJOT),4	00004360
INITIAL MB\$HPARM(16,EMMPT),0	00004370
INITIAL MB\$HPARM(16,FMINW),0	00004380
INITIAL MB\$HPARM(16,INTRL),0	00004390
INITIAL MB\$HPARM(16,OMINR),0	00004400
INITIAL MB\$HPARM(16,UMAX),0	00004410
INITIAL MB\$HPARM(16,WUSIN),0	00004420
INITIAL MB\$HPARM(16,RTIME),110	00004430
INITIAL MB\$HPARM(16,ADOUT),0	00004440
INITIAL MB\$HPARM(16,RTIME),110	00004450
INITIAL MB\$HPARM(16,CORWD),2	00004460
INITIAL MB\$HPARM(16,CORWD),0	00004470
INITIAL MX\$FPARM(16,INTR),100000	00004480
INITIAL MX\$FPARM(16,INTR),2890000	00004490
INITIAL MX\$FPARM(16,SOFST),0	00004500
INITIAL MX\$FPARM(16,00FST),0	00004510
INITIAL MX\$FPARM(16,MOIM),1100	00004520
*	00004530
*	00004540
MODULE 17 PARAMETERS	00004550
OSM #4 SCANNER	00004560
*	00004570
*	00004580
INITIAL MB\$RPARM(17,ACT),0	00004590
INITIAL MB\$RPARM(17,PRI),126	00004600

INITIAL MBSHPARM(20,ACI),0	0005450
INITIAL MBSHPARM(20,PI),114	0005460
INITIAL MBSHPARM(20,CONT),0	0005470
INITIAL MBSHPARM(20,MEM),3	0005480
INITIAL MBSHPARM(20,FMIO),7	0005490
INITIAL MBSHPARM(20,FMPI),0	0005500
INITIAL MBSHPARM(20,FMIN),0	0005510
INITIAL MBSHPARM(20,INTR),0	0005520
INITIAL MBSHPARM(20,UMIN),0	0005530
INITIAL MBSHPARM(20,QMAX),0	0005540
INITIAL MBSHPARM(20,WOSIN),0	0005550
INITIAL MBSHPARM(20,RTIME),110	0005560
INITIAL MBSHPARM(20,WDOU),108	0005570
INITIAL MBSHPARM(20,WTIME),110	0005580
INITIAL MBSHPARM(20,CORWD),2	0005590
INITIAL MBSHPARM(20,COWWD),3	0005600
INITIAL MBSHPARM(20,IINT),3180000	0005610
INITIAL MBSHPARM(20,OINT),3180000	0005620
INITIAL MBSHPARM(20,SOFST),0	0005630
INITIAL MBSHPARM(20,OFFST),0	0005640
INITIAL MBSHPARM(20,MOTIM),11000	0005650
INITIAL MBSHPARM(20,MOTIM),11000	0005660
INITIAL MBSHPARM(21,ACI),0	0005670
INITIAL MBSHPARM(21,PI),115	0005680
INITIAL MBSHPARM(21,CONT),2	0005690
INITIAL MBSHPARM(21,MEM),3	0005700
INITIAL MBSHPARM(21,FMIO),0	0005710
INITIAL MBSHPARM(21,FMPI),0	0005720
INITIAL MBSHPARM(21,FMIN),7	0005730
INITIAL MBSHPARM(21,INTR),31	0005740
INITIAL MBSHPARM(21,UMIN),0	0005750
INITIAL MBSHPARM(21,QMAX),0	0005760
INITIAL MBSHPARM(21,WOSIN),30	0005770
INITIAL MBSHPARM(21,RTIME),110	0005780
INITIAL MBSHPARM(21,WDOU),0	0005790
INITIAL MBSHPARM(21,WTIME),110	0005800
INITIAL MBSHPARM(21,CORWD),0	0005810
INITIAL MBSHPARM(21,CORWD),0	0005820
INITIAL MBSHPARM(21,CORWD),0	0005830
INITIAL MBSHPARM(21,CORWD),0	0005840
INITIAL MBSHPARM(21,CORWD),0	0005850
INITIAL MBSHPARM(21,CORWD),0	0005860

* MODULE 21 PARAMETERS

* EDIT/VALIDATION

INITIAL MHSPPARM(21,COWD),2	00005870
INITIAL MXSPARM(21,INTR),148000	00005880
INITIAL MXSPARM(21,INT),148000	00005890
INITIAL MXSPARM(21,SOFS),0	00005900
INITIAL MXSPARM(21,OOFS),0	00005910
INITIAL MXSPARM(21,MOTIM),55000	00005920
INITIAL MXSPARM(21,MOTIM),55000	00005930
INITIAL MXSPARM(21,MOTIM),55000	00005940
INITIAL MXSPARM(21,MOTIM),55000	00005950
INITIAL MXSPARM(21,MOTIM),55000	00005960
INITIAL MXSPARM(21,MOTIM),55000	00005970
INITIAL MXSPARM(21,MOTIM),55000	00005980
INITIAL MXSPARM(21,MOTIM),55000	00005990
INITIAL MXSPARM(21,MOTIM),55000	00006000
INITIAL MXSPARM(21,MOTIM),55000	00006010
INITIAL MXSPARM(21,MOTIM),55000	00006020
INITIAL MXSPARM(21,MOTIM),55000	00006030
INITIAL MXSPARM(21,MOTIM),55000	00006040
INITIAL MXSPARM(21,MOTIM),55000	00006050
INITIAL MXSPARM(21,MOTIM),55000	00006060
INITIAL MXSPARM(21,MOTIM),55000	00006070
INITIAL MXSPARM(21,MOTIM),55000	00006080
INITIAL MXSPARM(21,MOTIM),55000	00006090
INITIAL MXSPARM(21,MOTIM),55000	00006100
INITIAL MXSPARM(21,MOTIM),55000	00006110
INITIAL MXSPARM(21,MOTIM),55000	00006120
INITIAL MXSPARM(21,MOTIM),55000	00006130
INITIAL MXSPARM(21,MOTIM),55000	00006140
INITIAL MXSPARM(21,MOTIM),55000	00006150
INITIAL MXSPARM(21,MOTIM),55000	00006160
INITIAL MXSPARM(21,MOTIM),55000	00006170
INITIAL MXSPARM(21,MOTIM),55000	00006180
INITIAL MXSPARM(21,MOTIM),55000	00006190
INITIAL MXSPARM(21,MOTIM),55000	00006200
INITIAL MXSPARM(21,MOTIM),55000	00006210
INITIAL MXSPARM(21,MOTIM),55000	00006220
INITIAL MXSPARM(21,MOTIM),55000	00006230
INITIAL MXSPARM(21,MOTIM),55000	00006240
INITIAL MXSPARM(21,MOTIM),55000	00006250
INITIAL MXSPARM(21,MOTIM),55000	00006260
INITIAL MXSPARM(21,MOTIM),55000	00006270
INITIAL MXSPARM(21,MOTIM),55000	00006280

MODULE 22 PARAMETERS

LOGGING

INITIAL MBSPPARM(22,ACI),0

INITIAL MBSPPARM(22,PRI),117

INITIAL MBSPPARM(22,CONT),2

INITIAL MBSPPARM(22,MEH),3

INITIAL MBSPPARM(22,FMIOT),0

INITIAL MBSPPARM(22,FMIPT),0

INITIAL MBSPPARM(22,FMINW),0

INITIAL MBSPPARM(22,INPL),21

INITIAL MBSPPARM(22,OMONR),0

INITIAL MBSPPARM(22,OMAX),0

INITIAL MBSPPARM(22,WOSIN),0

INITIAL MBSPPARM(22,PTIME),110

INITIAL MBSPPARM(22,DOU),0

INITIAL MBSPPARM(22,WTIME),110

INITIAL MBSPPARM(22,CORWD),4

INITIAL MBSPPARM(22,COWD),1

INITIAL MXSPARM(22,INT),148000

INITIAL MXSPARM(22,INTR),148000

INITIAL MXSPARM(22,SOFS),0

INITIAL MXSPARM(22,OOFS),0

INITIAL MXSPARM(22,MOTIM),33000

MODULE 23 PARAMETERS

ROUTING

INITIAL MBSPPARM(23,ACI),0

INITIAL MBSPPARM(23,PRI),118

INITIAL MBSPPARM(23,CONT),2

INITIAL MBSPPARM(23, MEM1), 3	00006290
INITIAL MBSPPARM(23, FM10T), 0	00006300
INITIAL MBSPPARM(23, FM4PT), 0	00006310
INITIAL MBSPPARM(23, FMINW), 0	00006320
INITIAL MBSPPARM(23, INTR), 22	00006330
INITIAL MBSPPARM(23, OMJNR), 0	00006340
INITIAL MBSPPARM(23, QMAX), 0	00006350
INITIAL MBSPPARM(23, WDSIN), 0	00006360
INITIAL MBSPPARM(23, WTIME), 110	00006370
INITIAL MBSPPARM(23, WDOUI), 6	00006380
INITIAL MBSPPARM(23, WTIME), 110	00006390
INITIAL MBSPPARM(23, COWD), 0	00006400
INITIAL MBSPPARM(23, COWD), 1	00006410
INITIAL MBSPPARM(23, INTR), 1480000	00006420
INITIAL MBSPPARM(23, INTR), 1480000	00006430
INITIAL MBSPPARM(23, SOEST), 0	00006440
INITIAL MBSPPARM(23, OOFST), 0	00006450
INITIAL MBSPPARM(23, MOTIM), 33000	00006470
* * * * *	
* * * * * MODULE 24 PARAMETERS	
* * * * * OUTPUT SERVICE MODULE #1	
* * * * *	
* * * * *	
INITIAL MBSPPARM(24, ACT), 0	00006480
INITIAL MBSPPARM(24, PRI), 119	00006490
INITIAL MBSPPARM(24, CONT), 2	00006500
INITIAL MBSPPARM(24, MEM), 3	00006510
INITIAL MBSPPARM(24, FM10T), 0	00006520
INITIAL MBSPPARM(24, FM4PT), 0	00006530
INITIAL MBSPPARM(24, FMINW), 5	00006540
INITIAL MBSPPARM(24, INTR), 32	00006550
INITIAL MBSPPARM(24, OMJNR), 0	00006560
INITIAL MBSPPARM(24, QMAX), 0	00006570
INITIAL MBSPPARM(24, WDSIN), 320	00006580
INITIAL MBSPPARM(24, WTIME), 110	00006590
INITIAL MBSPPARM(24, WDOUI), 0	00006600
INITIAL MBSPPARM(24, WTIME), 110	00006610
INITIAL MBSPPARM(24, COWD), 0	00006620
INITIAL MBSPPARM(24, COWD), 1	00006630
INITIAL MBSPPARM(24, INTR), 5000000	00006640
INITIAL MBSPPARM(24, INTR), 5000000	00006650
INITIAL MBSPPARM(24, SOEST), 2	00006660
INITIAL MBSPPARM(24, OOFST), 0	00006670
INITIAL MBSPPARM(24, MOTIM), 5000000	00006680
INITIAL MBSPPARM(24, MOTIM), 5000000	00006690
INITIAL MBSPPARM(24, MOTIM), 5000000	00006700

INITIAL MXPFPARM(24,SOFST),0 00006710
 INITIAL MXPFPARM(24,OOFS1),0 00006720
 INITIAL MXPFPARM(24,MOTIM),11000 00006730
 00006740

*
 * MODULE 25 PARAMETERS
 * INPUT SERVICE MODULE #2
 * 2 16-KILOHAUD SUBSCRIBERS
 *
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 *

INITIAL MRSPARM(25,ACT),0 00006810
 INITIAL MRSPARM(25,PRI),111 00006820
 INITIAL MRSPARM(25,CONT),0 00006830
 INITIAL MRSPARM(25,MEM),3 00006840
 INITIAL MRSPARM(25,FMIOT),1 00006850
 INITIAL MRSPARM(25,FMPI),0 00006860
 INITIAL MRSPARM(25,FMINW),5 00006870
 INITIAL MRSPARM(25,INTRL),0 00006880
 INITIAL MRSPARM(25,DMONK),0 00006890
 INITIAL MRSPARM(25,QMAX),0 00006900
 INITIAL MRSPARM(25,WDSIN),0 00006910
 INITIAL MRSPARM(25,RTIME),110 00006920
 INITIAL MRSPARM(25,WDOU),320 00006930
 INITIAL MRSPARM(25,WTIME),110 00006940
 INITIAL MRSPARM(25,COWD),2 00006950
 INITIAL MRSPARM(25,COWD),2 00006960
 INITIAL MXPFPARM(25,INT9),13780000 00006970
 INITIAL MXPFPARM(25,INT9),13780000 00006980
 INITIAL MXPFPARM(25,SOFST),0 00006990
 INITIAL MXPFPARM(25,OOFS1),0 00007000
 INITIAL MXPFPARM(25,MOTIM),11000 00007010
 00007020
 00007030
 00007040

*
 * MODULE 26 PARAMETERS
 * OUTPUT SERVICE MODULE #2
 *
 *
 *
 *
 *

INITIAL MRSPARM(26,ACT),0 00007080
 INITIAL MRSPARM(26,PRI),120 00007090
 INITIAL MRSPARM(26,CONT),2 00007100
 INITIAL MRSPARM(26,MEM),3 00007110
 INITIAL MRSPARM(26,FMIOT),4 00007120

INITIAL MBSHPARM(25,FMPT),0	00007130
INITIAL MBSHPARM(26,FMIN4),7	00007140
INITIAL MBSHPARM(26,INTPL),33	00007150
INITIAL MBSHPARM(25,OMDNP),0	00007160
INITIAL MBSHPARM(26,UMAX),0	00007170
INITIAL MBSHPARM(26,WD SIN),215	00007180
INITIAL MBSHPARM(26,RTIME),110	00007190
INITIAL MBSHPARM(26,WDOUT),0	00007200
INITIAL MBSHPARM(26,RTIME),110	00007210
INITIAL MBSHPARM(26,CORWD),0	00007220
INITIAL MBSHPARM(26,CORWD),2	00007230
INITIAL MBSHPARM(26,INIR),2620000	00007240
INITIAL MBSHPARM(26,INIR),2820000	00007250
INITIAL MBSHPARM(26,SOFST),0	00007260
INITIAL MBSHPARM(26,SOFST),0	00007270
INITIAL MBSHPARM(26,MOIIM),11000	00007280
0	00007290
0	00007300
0	00007310
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0	00007560

MODULE 27 PARAMETERS

INPUT SERVICE MODULE #3

4 SUBSCRIBERS: 1 2400-BAUD, 2 1200-BAUD, 1 600-BAUD SUBSCRIBERS

INITIAL MBSHPARM(27,ACT),0	00007350
INITIAL MBSHPARM(27,PR),112	00007360
INITIAL MBSHPARM(27,CONT),0	00007370
INITIAL MBSHPARM(27,MEM),3	00007380
INITIAL MBSHPARM(27,EMIO),1	00007390
INITIAL MBSHPARM(27,FMPT),0	00007400
INITIAL MBSHPARM(27,FMIN4),5	00007410
INITIAL MBSHPARM(27,INIR),0	00007420
INITIAL MBSHPARM(27,OMDNP),0	00007430
INITIAL MBSHPARM(27,UMAX),0	00007440
INITIAL MBSHPARM(27,CORWD),0	00007450
INITIAL MBSHPARM(27,CORWD),2	00007460
INITIAL MBSHPARM(27,WD SIN),110	00007470
INITIAL MBSHPARM(27,WDOUT),320	00007480
INITIAL MBSHPARM(27,RTIME),110	00007490
INITIAL MBSHPARM(27,CORWD),2	00007500
INITIAL MBSHPARM(27,CORWD),3	00007510
INITIAL MBSHPARM(27,INIR),6880000	00007520
INITIAL MBSHPARM(27,MOIIM),6880000	00007530
INITIAL MBSHPARM(27,SOFST),0	00007540

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INITIAL MX$EPARM(27,00FST),0      0007550
INITIAL MX$FPARM(27,MOTIM),11000  0007560
*                                     0007570
*                                     0007580
* MODULE 28 PARAMETERS
* OUTPUT SERVICE MODULE #3
*
*
INITIAL MR$HPARM(28,ACT),0        0007620
INITIAL MB$HPARM(28,PRI),121      0007630
INITIAL MB$HPARM(28,CONT),2       0007640
INITIAL MR$HPARM(28,MEM),3        0007650
INITIAL MR$HPARM(28,FMIOT),4      0007660
INITIAL MR$HPARM(28,FMMPT),0      0007670
INITIAL MR$HPARM(28,FMINW),7      0007680
INITIAL MB$HPARM(28,INIRL),34     0007700
INITIAL MR$HPARM(28,OM(ON)),0     0007710
INITIAL MR$HPARM(28,UMAX),0       0007720
INITIAL MH$HPARM(28,WD$IN),215    0007730
INITIAL MH$HPARM(28,RTIME),110    0007740
INITIAL MH$HPARM(28,WDOUT),0      0007750
INITIAL MH$HPARM(28,TIME),110    0007760
INITIAL MH$HPARM(28,CORWD),0     0007770
INITIAL MH$HPARM(28,CORWD),2     0007780
INITIAL MX$EPARM(28,INTP),140000  0007790
INITIAL MX$FPARM(28,INTP),140000  0007800
INITIAL MX$FPARM(28,SOFST),0     0007810
INITIAL MX$FPARM(28,00FST),0     0007820
INITIAL MX$FPARM(28,MOTIM),11000  0007830
*                                     0007840
*                                     0007850
* MODULE 29 PARAMETERS
* INPUT SERVICE MODULE #4
* 4 SUBSCRIBERS: 1 300=BAUD, 1 150=BAUD, 2 110=BAUD SUBSCRIBERS
*
*
INITIAL MB$HPARM(29,ACT),0        0007890
INITIAL MB$HPARM(29,PRI),113     0007910
INITIAL MR$HPARM(29,CONT),0      0007920
INITIAL MB$HPARM(29,MEM),3       0007930
INITIAL MR$HPARM(29,FMIOT),1     0007940
INITIAL MB$HPARM(29,FMMPT),0     0007950
INITIAL MB$HPARM(29,FMMPT),0     0007960

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INITIAL MBSPPARM(29,EMINW),5 00007970
 INITIAL MSHPPARM(29,INTPL),0 00007980
 INITIAL M\$PPARM(29,OMONH),0 00007990
 INITIAL MBSPPARM(29,QMAX),0 00008000
 INITIAL MSHPPARM(29,ND\$IN),0 00008010
 INITIAL MSHPPARM(29,PTIME),110 00008020
 INITIAL MSHPPARM(29,WDOUI),320 00008030
 INITIAL MSHPPARM(29,WTIME),110 00008040
 INITIAL MSHPPARM(29,CORWD),2 00008050
 INITIAL MSHPPARM(29,CO,WD),3 00008060
 INITIAL MX\$FPARM(29,IINTR),6840000 00008070
 INITIAL MX\$FPARM(29,OINTR),6840000 00008080
 INITIAL MX\$FPARM(29,SOEST),0 00008090
 INITIAL MX\$FPARM(29,OOFS),0 00008100
 INITIAL MX\$FPARM(29,MOTIM),11000 00008110
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* MODULE 30 PARAMETERS
 * OUTPUT SERVICE MODULE #4

INITIAL MBSPPARM(30,ACT),0
 INITIAL MSHPPARM(30,PP1),122
 INITIAL M\$PPARM(30,CONT),2
 INITIAL MBSPPARM(30,MEB),3
 INITIAL MSHPPARM(30,FMIOT),4
 INITIAL M\$PPARM(30,FMPT),0
 INITIAL MBSPPARM(30,ENINW),7
 INITIAL MSHPPARM(30,INTPL),35
 INITIAL MSHPPARM(30,OMONH),0
 INITIAL MSHPPARM(30,QMAX),0
 INITIAL MSHPPARM(30,WDSIN),215
 INITIAL MSHPPARM(30,PTIME),110
 INITIAL MSHPPARM(30,WDOUI),0
 INITIAL MSHPPARM(30,WTIME),110
 INITIAL MSHPPARM(30,CORWD),0
 INITIAL MSHPPARM(30,CO,WD),2
 INITIAL MX\$FPARM(30,IINTR),1400000
 INITIAL MX\$FPARM(30,OINTR),1400000
 INITIAL MX\$FPARM(30,SOEST),0
 INITIAL MX\$FPARM(30,OOFS),0
 INITIAL MX\$FPARM(30,MOTIM),11000

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* MODULES FOR POLLING QUEUES (MAILBOXES)

* MODULE 31 PARAMETERS
* EDIT/VALIDATION SCANNER
*

* INITIAL MB\$HPARM(31,ACT),0
* INITIAL MB\$HPARM(31,EBL),116
* INITIAL MB\$HPARM(31,CONT),0
* INITIAL MB\$HPARM(31,MEM),3
* INITIAL MB\$HPARM(31,EMIOI),0
* INITIAL MB\$HPARM(31,FMPT),0
* INITIAL MB\$HPARM(31,FMINW),0
* INITIAL MB\$HPARM(31,INIRL),0
* INITIAL MB\$HPARM(31,OMUNP),0
* INITIAL MB\$HPARM(31,QMAX),0
* INITIAL MB\$HPARM(31,WDSIN),0
* INITIAL MH\$HPARM(31,RTIME),110
* INITIAL MH\$HPARM(31,WDOU),0
* INITIAL MH\$HPARM(31,4TIME),110
* INITIAL MH\$HPARM(31,COWD),12
* INITIAL MH\$HPARM(31,COWD),0
* INITIAL MX\$FPARM(31,INIR),100000
* INITIAL MX\$FPARM(31,MOTIM),1100

* MODULE 32 PARAMETERS
* OSM #1 SCANNER
*

* INITIAL MB\$HPARM(32,ACT),0
* INITIAL MB\$HPARM(32,PR1),123
* INITIAL MB\$HPARM(32,CONT),0
* INITIAL MB\$HPARM(32,MEM),3
* INITIAL MB\$HPARM(32,FMPT),0

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INITIAL MB\$BPARAM(32,FINW),0	0000810
INITIAL MB\$BPARAM(32,INTRL),0	0000820
INITIAL MB\$BPARAM(32,OMDNR),0	0000830
INITIAL MB\$BPARAM(32,OMAX),0	0000840
INITIAL MB\$BPARAM(32,WDSIN),0	0000850
INITIAL MB\$BPARAM(32,RTIME),110	0000860
INITIAL MB\$BPARAM(32,WDOUI),0	0000870
INITIAL MB\$BPARAM(32,WTIME),110	0000880
INITIAL MB\$BPARAM(32,CORWD),2	0000890
INITIAL MB\$BPARAM(32,COWD),0	0000900
INITIAL MX\$BPARAM(32,IINTR),100000	0000910
INITIAL MX\$BPARAM(32,OINTR),5000000	0000920
INITIAL MX\$BPARAM(32,SOEST),0	0000930
INITIAL MX\$BPARAM(32,OOFT),0	0000940
INITIAL MX\$BPARAM(32,MOTIM),1100	0000950
	0000960
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* * * MODULE 33 PARAMETERS

* * * OSM #2 SCANNER

INITIAL MB\$BPARAM(33,ACT),0	00009010
INITIAL MB\$BPARAM(33,PR1),124	00009020
INITIAL MB\$BPARAM(33,CONT),0	00009030
INITIAL MB\$BPARAM(33,SEM),3	00009040
INITIAL MB\$BPARAM(33,FM10T),4	00009050
INITIAL MB\$BPARAM(33,FMPT),0	00009060
INITIAL MB\$BPARAM(33,FMING),0	00009070
INITIAL MB\$BPARAM(33,INTRL),0	00009080
INITIAL MB\$BPARAM(33,OMDNR),0	00009090
INITIAL MB\$BPARAM(33,OMAX),0	00009100
INITIAL MB\$BPARAM(33,WDSIN),0	00009110
INITIAL MB\$BPARAM(33,WDOUI),0	00009120
INITIAL MB\$BPARAM(33,RTIME),110	00009130
INITIAL MB\$BPARAM(33,WTIME),110	00009140
INITIAL MB\$BPARAM(33,CORWD),2	00009150
INITIAL MB\$BPARAM(33,COWD),0	00009160
INITIAL MX\$BPARAM(33,IINTR),100000	00009170
INITIAL MX\$BPARAM(33,OINTR),2820000	00009180
INITIAL MX\$BPARAM(33,SOEST),0	00009190
INITIAL MX\$BPARAM(33,OOFT),0	00009200
INITIAL MX\$BPARAM(33,MOTIM),1100	00009210

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*
*
* MODULE 34 PARAMETERS
* OSM #3_SCANNER
*
*
* INITIAL MBSPPARM(34,ACTI).0
* INITIAL MBSPPARM(34,PRI).125
* INITIAL MBSPPARM(34,CONT).0
* INITIAL MBSPPARM(34,ME).3
* INITIAL MBSPPARM(34,FMLOT).4
* INITIAL MBSPPARM(34,FMPT).0
* INITIAL MBSPPARM(34,FMINW).0
* INITIAL MBSPPARM(34,INTRL).0
* INITIAL MBSPPARM(34,OMDNR).0
* INITIAL MBSPPARM(34,OMAX).0
* INITIAL MBSPPARM(34,ODSIN).0
* INITIAL MBSPPARM(34,RTIME).110
* INITIAL MBSPPARM(34,DOUI).0
* INITIAL MBSPPARM(34,WTIME).110
* INITIAL MBSPPARM(34,COMD).2
* INITIAL MBSPPARM(34,COMD).0
* INITIAL MXSFPARM(34,INTH).100000
* INITIAL MXSFPARM(34,INTR).1400000
* INITIAL MXSFPARM(34,SOFST).0
* INITIAL MXSFPARM(34,SOFT).0
* INITIAL MXSFPARM(34,MOTIM).1100
*
*
* MODULE 35 PARAMETERS
* OSM #4_SCANNER
*
*
* INITIAL MBSPPARM(35,ACTI).0
* INITIAL MBSPPARM(35,PRI).126
* INITIAL MBSPPARM(35,CONT).0
* INITIAL MBSPPARM(35,ME).3
* INITIAL MBSPPARM(35,FMLOT).4
* INITIAL MBSPPARM(35,FMPT).0
* INITIAL MBSPPARM(35,FMINW).0
* INITIAL MBSPPARM(35,INTRL).0
* INITIAL MBSPPARM(35,OMDNR).0

INITIAL MHSBPARAM(35, JMAX), 0 00009650
INITIAL MHSHPARM(35, WDSIT), 0 00009660
INITIAL MHSHPARM(35, RTIME), 110 00009670
INITIAL MHSHPARM(35, WDOUI), 0 00009680
INITIAL MHSHPARM(35, WTIME), 110 00009690
INITIAL MHSHPARM(35, COAWD), 2 00009700
INITIAL MHSHPARM(35, COAWD), 0 00009710
INITIAL MX\$FPARM(35, IINTH), 100000 00009720
INITIAL MX\$FPARM(35, OINTR), 1*00000 00009730
INITIAL MX\$FPARM(35, SOFESI), 0 00009740
INITIAL MHSBPARAM(35, FMPT), 0 00009750
INITIAL MHSBPARAM(35, MOTIM), 1100 00009760
00009770

* * * * * MODULE 36 - PARAMETERS * * * * *

INITIAL MHSBPARAM(36, ACTI), 0 00009810
INITIAL MHSHPARM(36, PRI), 0 00009820
INITIAL MHSHPARM(36, CONT), 0 00009830
INITIAL MHSHPARM(36, MENJ), 0 00009840
INITIAL MHSHPARM(36, FMLOT), 0 00009850
INITIAL MHSHPARM(36, FMPT), 0 00009860
INITIAL MHSHPARM(36, FMINW), 0 00009870
INITIAL MHSHPARM(36, INTR), 0 00009880
INITIAL MHSHPARM(36, OMDNP), 0 00009890
INITIAL MHSHPARM(36, WMAX), 0 00009900
INITIAL MHSHPARM(36, WDSIT), 0 00009910
INITIAL MHSHPARM(36, RTIME), 0 00009920
INITIAL MHSHPARM(36, WDOUI), 0 00009930
INITIAL MHSHPARM(36, WTIME), 0 00009940
INITIAL MHSHPARM(36, COAWD), 0 00009950
INITIAL MHSHPARM(36, COAWD), 0 00009960
INITIAL MHSHPARM(36, IINTH), 0 00009970
INITIAL MHSHPARM(36, OINTR), 0 00009980
INITIAL MX\$FPARM(36, SOFESI), 0 00009990
INITIAL MX\$FPARM(36, OOFST), 0 00100000
INITIAL MX\$FPARM(36, MOTIM), 0 00100010
INITIAL MX\$FPARM(36, MOTIM), 0 00100020
INITIAL MX\$FPARM(36, MOTIM), 0 00100030
INITIAL MX\$FPARM(36, MOTIM), 0 00100040
00010050
00010060

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00010080

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00010390

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MODULE 37 PARAMETERS

INITIAL M8\$PAPM(37,ACT).0

INITIAL M8\$PAPM(37,PRI).0

INITIAL M8\$PAPM(37,CONI).0

INITIAL M8\$PAPM(37,MEV).0

INITIAL M8\$PAPM(37,FMPT).0

INITIAL M8\$PAPM(37,FMPTI).0

INITIAL M8\$PAPM(37,FMINW).0

INITIAL M8\$PAPM(37,INTRL).0

INITIAL M8\$PAPM(37,WDSIN).0

INITIAL M8\$PAPM(37,RTIME).0

INITIAL M8\$PAPM(37,WDOUT).0

INITIAL M8\$PAPM(37,RTIME).0

INITIAL M8\$PAPM(37,COPWD).0

INITIAL M8\$PAPM(37,COWWD).0

INITIAL M8\$PAPM(37,FINTR).0000

INITIAL M8\$PAPM(37,SOFST).0

INITIAL M8\$PAPM(37,OFFST).0

INITIAL M8\$PAPM(37,FINTR).0000

MODULE 38 PARAMETERS

INITIAL M8\$PAPM(38,ACT).0

INITIAL M8\$PAPM(38,PRI).0

INITIAL M8\$PAPM(38,CONI).0

INITIAL M8\$PAPM(38,MEV).0

INITIAL M8\$PAPM(38,FMPT).0

INITIAL M8\$PAPM(38,FMPTI).0

INITIAL M8\$PAPM(38,FMINW).0

INITIAL M8\$PAPM(38,INTRL).0

INITIAL M8\$PAPM(38,WDSIN).0

INITIAL M8\$PAPM(38,RTIME).0

INITIAL M8\$PAPM(38,WDOUT).0

INITIAL M8\$PAPM(38,RTIME).0

INITIAL MHSHPARM(38,CORWD),0	00010490
INITIAL MHSHPARM(38,COWD),0	00010500
INITIAL MHSHPARM(38,INTR),0000	00010510
INITIAL MHSHPARM(38,INTR),0000	00010520
INITIAL MHSHPARM(38,SOFST),0	00010530
INITIAL MHSHPARM(38,SOFT),0	00010540
INITIAL MHSHPARM(38,MOIIM),0	00010550
* * * * *	
* * * * * MODULE 39 PARAMETERS	
* * * * *	
INITIAL MBSHPARM(39,ACIL),0	00010590
INITIAL MBSHPARM(39,PR1),0	00010600
INITIAL MBSHPARM(39,CONT),0	00010610
INITIAL MBSHPARM(39,CONT),0	00010620
INITIAL MBSHPARM(39,NEML),0	00010630
INITIAL MBSHPARM(39,FM1OT),0	00010640
INITIAL MBSHPARM(39,FM1PT),0	00010650
INITIAL MBSHPARM(39,FM1NW),0	00010660
INITIAL MBSHPARM(39,FM1NW),0	00010670
INITIAL MBSHPARM(39,INPL),0	00010680
INITIAL MBSHPARM(39,WDSIN),0	00010690
INITIAL MBSHPARM(39,RIME),0	00010700
INITIAL MBSHPARM(39,WDOU),0	00010710
INITIAL MBSHPARM(39,WTIME),0	00010720
INITIAL MBSHPARM(39,COWD),0	00010730
INITIAL MBSHPARM(39,COWD),0	00010740
INITIAL MBSHPARM(39,INTR),0000	00010750
INITIAL MBSHPARM(39,INTR),00000000	00010760
INITIAL MBSHPARM(39,SOFT),0	00010770
INITIAL MBSHPARM(39,SOFT),0	00010780
INITIAL MBSHPARM(39,MOIIM),0	00010790
* * * * *	
* * * * * MODULE 40 PARAMETERS	
* * * * *	
INITIAL MBSHPARM(40,ACT),0	00010830
INITIAL MBSHPARM(40,PR1),0	00010840
INITIAL MBSHPARM(40,CONT),0	00010850
INITIAL MBSHPARM(40,ME4),0	00010860
INITIAL MBSHPARM(40,FM1OT),0	00010870
INITIAL MBSHPARM(40,FM1PT),0	00010880
INITIAL MBSHPARM(40,FM1NW),0	00010890
INITIAL MBSHPARM(40,FM1NW),0	00010900

INITIAL MR\$HPARM(40,INTRL),0 00010910
INITIAL MH\$HPARM(40,DSIN),0 00010920
INITIAL MH\$HPARM(40,PTIME),0 00010930
INITIAL MH\$HPARM(40,DOUUI),0 00010940
INITIAL MH\$HPARM(40,WTIME),0 00010950
INITIAL MH\$HPARM(40,COHWD),0 00010960
INITIAL MH\$HPARM(40,COMWD),0 00010970
INITIAL MX\$FPARM(40,IINTR),0000 00010980
INITIAL MX\$FPARM(40,INTR),00000 00010990
INITIAL MX\$EPARM(40,SOESI),0 00011000
INITIAL MX\$FPARM(40,OOFST),0 00011010
INITIAL MX\$FPARM(40,MOTIM),0 00011020
00011030
00011040
00011050
00011060

* MODULE 41 PARAMETERS

INITIAL MR\$BPARM(41,ACT),0 00011070
INITIAL MR\$BPARM(41,PHI),0 00011080
INITIAL MR\$BPARM(41,CONT),0 00011090
INITIAL MR\$BPARM(41,MEM),0 00011100
INITIAL MR\$BPARM(41,EMOT),0 00011120
INITIAL MH\$HPARM(41,FMHPT),0 00011130
INITIAL MH\$HPARM(41,FMINW),0 00011140
INITIAL MH\$HPARM(41,INTRL),0 00011150
INITIAL MH\$HPARM(41,DSIN),0 00011160
INITIAL MH\$HPARM(41,PTIME),0 00011170
INITIAL MH\$HPARM(41,DOUUI),0 00011180
INITIAL MH\$HPARM(41,WTIME),0 00011190
INITIAL MH\$HPARM(41,COHWD),0 00011200
INITIAL MH\$HPARM(41,COMWD),0 00011210
INITIAL MX\$FPARM(41,IINTR),00000000 00011220
INITIAL MX\$FPARM(41,INTR),00000000 00011230
INITIAL MX\$EPARM(41,SOESI),0 00011240
INITIAL MX\$FPARM(41,OOFST),0 00011250
INITIAL MX\$FPARM(41,MOTIM),0 00011260
00011270
00011280
00011290
00011300
00011310
00011320

* MODULE 42 PARAMETERS

INITIAL MB\$BPARM(42,ACT),0

INITIAL MBSHPARM(42,PR1),0	00011330
INITIAL MBSHPARM(42,CONT),0	00011340
INITIAL MBSHPARM(42,MEM),0	00011350
INITIAL MBSHPARM(42,FMIQ),0	00011360
INITIAL MBSHPARM(42,FMPT),0	00011370
INITIAL MBSHPARM(42,FMIN),0	00011380
INITIAL MBSHPARM(42,INRL),0	00011390
INITIAL MBSHPARM(42,WD SIN),0	00011400
INITIAL MBSHPARM(42,RTIME),0	00011410
INITIAL MBSHPARM(42,WDOUT),0	00011420
INITIAL MBSHPARM(42,WTIME),0	00011430
INITIAL MBSHPARM(42,CORWD),0	00011440
INITIAL MBSHPARM(42,COMM),0	00011450
INITIAL MXSFPARM(42,INTR),0000000000	00011460
INITIAL MXSFPARM(42,INTR),0000000000	00011470
INITIAL MXSFPARM(42,SOFSL),0	00011480
INITIAL MXSFPARM(42,OOFS),0	00011490
INITIAL MXSFPARM(42,MOTIM),0	00011500
* * * * *	00011510
* * * * *	00011520
* * * * *	00011530
* * * * *	00011540
* * * * *	00011550
INITIAL MBSHPARM(43,ACT),0	00011560
INITIAL MBSHPARM(43,PR1),0	00011570
INITIAL MBSHPARM(43,CONT),0	00011580
INITIAL MBSHPARM(43,MEM),0	00011590
INITIAL MBSHPARM(43,FMIQ),0	00011600
INITIAL MBSHPARM(43,FMPT),0	00011610
INITIAL MBSHPARM(43,FMIN),0	00011620
INITIAL MBSHPARM(43,INRL),0	00011630
INITIAL MBSHPARM(43,WD SIN),0	00011640
INITIAL MBSHPARM(43,RTIME),0	00011650
INITIAL MBSHPARM(43,WDOUT),0	00011660
INITIAL MBSHPARM(43,WTIME),0	00011670
INITIAL MBSHPARM(43,CORWD),0	00011680
INITIAL MBSHPARM(43,COMM),0	00011690
INITIAL MXSFPARM(43,INTR),0000000000	00011700
INITIAL MXSFPARM(43,INTR),0000000000	00011710
INITIAL MXSFPARM(43,SOFSL),0	00011720
INITIAL MXSFPARM(43,OOFS),0	00011730
INITIAL MXSFPARM(43,MOTIM),0	00011740

* * * * * MODULE 43 PARAMETERS

INITIAL MBSHPARM(43,ACT),0	00011560
INITIAL MBSHPARM(43,PR1),0	00011570
INITIAL MBSHPARM(43,CONT),0	00011580
INITIAL MBSHPARM(43,MEM),0	00011590
INITIAL MBSHPARM(43,FMIQ),0	00011600
INITIAL MBSHPARM(43,FMPT),0	00011610
INITIAL MBSHPARM(43,FMIN),0	00011620
INITIAL MBSHPARM(43,INRL),0	00011630
INITIAL MBSHPARM(43,WD SIN),0	00011640
INITIAL MBSHPARM(43,RTIME),0	00011650
INITIAL MBSHPARM(43,WDOUT),0	00011660
INITIAL MBSHPARM(43,WTIME),0	00011670
INITIAL MBSHPARM(43,CORWD),0	00011680
INITIAL MBSHPARM(43,COMM),0	00011690
INITIAL MXSFPARM(43,INTR),0000000000	00011700
INITIAL MXSFPARM(43,INTR),0000000000	00011710
INITIAL MXSFPARM(43,SOFSL),0	00011720
INITIAL MXSFPARM(43,OOFS),0	00011730
INITIAL MXSFPARM(43,MOTIM),0	00011740

00011750
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00011770
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00011790

MODULE 44 PARAMETERS

INITIAL MBSHPARM(44,ACT)*0
INITIAL MBSHPARM(44,PHI)*0
INITIAL MBSHPARM(44,CONT)*0
INITIAL MBSHPARM(44,MEM)*0
INITIAL MBSHPARM(44,FMIOI)*0
INITIAL MBSHPARM(44,FMMP)*0
INITIAL MBSHPARM(44,FMINW)*0
INITIAL MBSHPARM(44,INIRL)*0
INITIAL MBSHPARM(44,MSIN)*0
INITIAL MBSHPARM(44,PTIME)*0
INITIAL MBSHPARM(44,DDOUI)*0
INITIAL MBSHPARM(44,TIME)*0
INITIAL MBSHPARM(44,CORWD)*0
INITIAL MBSHPARM(44,COWD)*0
INITIAL MBSHPARM(44,INTR)*0000
INITIAL MBSHPARM(44,INTK)*00000000
INITIAL MBSHPARM(44,SOFST)*0
INITIAL MBSHPARM(44,MOTIM)*0

00011990
00012000
00012010
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00012030

MODULE 45 PARAMETERS

INITIAL MBSHPARM(45,ACT)*0
INITIAL MBSHPARM(45,PHI)*0
INITIAL MBSHPARM(45,CONT)*0
INITIAL MBSHPARM(45,MEM)*0
INITIAL MBSHPARM(45,FMIOI)*0
INITIAL MBSHPARM(45,FMMP)*0
INITIAL MBSHPARM(45,FMINW)*0
INITIAL MBSHPARM(45,INIRL)*0
INITIAL MBSHPARM(45,MSIN)*0
INITIAL MBSHPARM(45,PTIME)*0
INITIAL MBSHPARM(45,DDOUI)*0
INITIAL MBSHPARM(45,TIME)*0
INITIAL MBSHPARM(45,CORWD)*0

INITIAL MHSHPARM(45,COWWD),0 00012170
INITIAL MX\$FPARM(45,IINT),00000000 00012180
INITIAL MX\$FPARM(45,OINT),00000000 00012190
INITIAL MX\$FPARM(45,SOFST),0 00012200
INITIAL MX\$FPARM(45,00FST),0 00012210
INITIAL MX\$FPARM(45,MOTIM),0 00012220
INITIAL MX\$FPARM(45,MOTIM),0 00012230
* 00012240
* 00012250
* 00012260

MODULE 46 PARAMETERS

INITIAL MBSHPARM(46,ACT),0 00012270
INITIAL MBSHPARM(46,PRI),0 00012280
INITIAL MBSHPARM(46,CONT),0 00012290
INITIAL MBSHPARM(46,MEM),0 00012300
INITIAL MBSHPARM(46,EMIOI),0 00012310
INITIAL MBSHPARM(46,FMPT),0 00012320
INITIAL MBSHPARM(46,FMINW),0 00012330
INITIAL MBSHPARM(46,FMINW),0 00012340
INITIAL MBSHPARM(46,INRL),0 00012350
INITIAL MBSHPARM(46,WD SIN),0 00012360
INITIAL MBSHPARM(46,RTIME),0 00012370
INITIAL MBSHPARM(46,DDOUI),0 00012380
INITIAL MBSHPARM(46,WTIME),0 00012390
INITIAL MBSHPARM(46,CORWD),0 00012400
INITIAL MBSHPARM(46,CORWD),0 00012410
INITIAL MBSHPARM(46,IINT),0 00012420
INITIAL MBSHPARM(46,OINT),0 00012430
INITIAL MBSHPARM(46,SOFST),0 00012440
INITIAL MBSHPARM(46,00FST),0 00012450
INITIAL MBSHPARM(46,MOTIM),0 00012460
INITIAL MBSHPARM(46,MOTIM),0 00012470
* 00012480
* 00012490
* 00012500
* 00012510
* 00012520
* 00012530
* 00012540
* 00012550
* 00012560
* 00012570
* 00012580

MODULE 47 PARAMETERS

INITIAL MBSHPARM(47,ACT),0 00012510
INITIAL MBSHPARM(47,PRI),0 00012520
INITIAL MBSHPARM(47,CONT),0 00012530
INITIAL MBSHPARM(47,MEM),0 00012540
INITIAL MBSHPARM(47,EMIOI),0 00012550
INITIAL MBSHPARM(47,FMPT),0 00012560
INITIAL MBSHPARM(47,FMINW),0 00012570
INITIAL MBSHPARM(47,FMINW),0 00012580

INITIAL MR\$HPARM(47,INRL),0 00012590
INITIAL MH\$HPARM(47,WDSIN),0 00012600
INITIAL MH\$HPARM(47,RTIME),0 00012610
INITIAL MH\$HPARM(47,WDOUT),0 00012620
INITIAL MH\$HPARM(47,WTIME),0 00012630
INITIAL MH\$HPARM(47,CO\$WD),0 00012640
INITIAL MH\$HPARM(47,CO\$WD),0 00012650
INITIAL MX\$FPARM(47,FINTR),0 00012660
INITIAL MX\$FPARM(47,0INTR),0 00012670
INITIAL MX\$FPARM(47,SOFSI),0 00012680
INITIAL MX\$FPARM(47,00FST),0 00012690
INITIAL MX\$FPARM(47,MOTIM),0 00012700
00012710
00012720
00012730
00012740

MODULE 48 PARAMETERS

INITIAL MR\$HPARM(48,ACT),0 00012750
INITIAL MR\$HPARM(48,PPJ),0 00012760
INITIAL MR\$HPARM(48,CONT),0 00012770
INITIAL MR\$HPARM(48,MFM),0 00012780
INITIAL MR\$HPARM(48,FMJOT),0 00012790
INITIAL MR\$HPARM(48,FMVPT),0 00012800
INITIAL MR\$HPARM(48,FMINW),0 00012810
INITIAL MR\$HPARM(48,INTPL),0 00012820
INITIAL MR\$HPARM(48,WDSI),0 00012830
INITIAL MR\$HPARM(48,RTIME),0 00012840
INITIAL MR\$HPARM(48,WDOUT),0 00012850
INITIAL MR\$HPARM(48,WTIME),0 00012860
INITIAL MR\$HPARM(48,CO\$WD),0 00012870
INITIAL MR\$HPARM(48,CO\$WD),0 00012880
INITIAL MX\$FPARM(48,FINTR),0 00012890
INITIAL MX\$FPARM(48,0INTR),0 00012900
INITIAL MX\$FPARM(48,SOFSI),0 00012910
INITIAL MX\$FPARM(48,00FST),0 00012920
INITIAL MX\$FPARM(48,MOTIM),0 00012930
00012940
00012950
00012960
00012970
00012980
00012990
00013000

MODULE 49 PARAMETERS

*	INITIAL MB\$RPARM(49,ACT),0	00013010
*	INITIAL MB\$RPARM(49,PR1),0	00013020
	INITIAL MB\$RPARM(49,CONT),0	00013030
	INITIAL MB\$RPARM(49,MEM),0	00013040
	INITIAL MB\$RPARM(49,FMPT),0	00013050
	INITIAL MB\$RPARM(49,FMID),0	00013060
	INITIAL MB\$RPARM(49,FMOT),0	00013070
	INITIAL MB\$RPARM(49,FMPT),0	00013080
	INITIAL MB\$RPARM(49,FMIN),0	00013090
	INITIAL MB\$RPARM(49,INIRL),0	00013100
	INITIAL MB\$RPARM(49,WD\$IN),0	00013110
	INITIAL MB\$RPARM(49,WTIME),0	00013120
	INITIAL MB\$RPARM(49,WDOUT),0	00013130
	INITIAL MB\$RPARM(49,WTIME),0	00013140
	INITIAL MB\$RPARM(49,COMWD),0	00013150
	INITIAL MB\$RPARM(49,COMWD),0	00013160
	INITIAL MX\$FPARM(49,IINTR),0	00013170
	INITIAL MX\$FPARM(49,OINTR),000	00013180
	INITIAL MX\$FPARM(49,SOEST),0	00013190
	INITIAL MX\$FPARM(49,OOEST),0	00013200
	INITIAL MX\$FPARM(49,MOTIM),0000	00013210
		00013220
*		00013230
*	MODULE 50 PARAMETERS	00013240
*		00013250
*		00013260
	INITIAL MB\$RPARM(50,ACT),0	00013270
	INITIAL MB\$RPARM(50,PR1),0	00013280
	INITIAL MB\$RPARM(50,CONT),0	00013290
	INITIAL MB\$RPARM(50,FMPT),0	00013300
	INITIAL MB\$RPARM(50,FMID),0	00013310
	INITIAL MB\$RPARM(50,FMOT),0	00013320
	INITIAL MB\$RPARM(50,FMPT),0	00013330
	INITIAL MB\$RPARM(50,FMIN),0	00013340
	INITIAL MB\$RPARM(50,INIRL),0	00013350
	INITIAL MB\$RPARM(50,WD\$IN),0	00013360
	INITIAL MB\$RPARM(50,WTIME),0	00013370
	INITIAL MB\$RPARM(50,WDOUT),0	00013380
	INITIAL MB\$RPARM(50,WTIME),0	00013390
	INITIAL MB\$RPARM(50,COMWD),0	00013400
	INITIAL MB\$RPARM(50,COMWD),0	00013410
	INITIAL MX\$FPARM(50,IINTR),000	00013420

INITIAL MX\$FPARM(50,0,INTR)*0.00
INITIAL MX\$FPARM(50,50FST)*0
INITIAL MX\$FPARM(50,00FST)*0
INITIAL MX\$FPARM(50,40IIM)*0

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00013450
00013460
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MODULE 51 PARAMETERS

INITIAL MB\$HPARM(51,ACT)*0
INITIAL MB\$HPARM(51,PRI)*0
INITIAL MB\$HPARM(51,CONT)*0
INITIAL MB\$HPARM(51,MEM)*0
INITIAL MB\$HPARM(51,FMIOT)*0
INITIAL MB\$HPARM(51,FMINW)*0
INITIAL MB\$HPARM(51,INIRL)*0
INITIAL MB\$HPARM(51,WDSIN)*0
INITIAL MB\$HPARM(51,RTIME)*0
INITIAL MB\$HPARM(51,WDOUL)*0
INITIAL MB\$HPARM(51,RTIME)*0
INITIAL MB\$HPARM(51,COPWD)*0
INITIAL MB\$HPARM(51,COWWD)*0
INITIAL MX\$FPARM(51,INTR)*0.00
INITIAL MX\$FPARM(51,0,INTR)*0.00000000
INITIAL MX\$FPARM(51,50FST)*0
INITIAL MX\$FPARM(51,00FST)*0
INITIAL MX\$FPARM(51,MOTIM)*0

00013500
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00013630
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00013670
00013680
00013690
00013700

MODULE 52 PARAMETERS

INITIAL MR\$HPARM(52,ACT)*0
INITIAL MR\$HPARM(52,PRI)*0
INITIAL MR\$HPARM(52,CONT)*0
INITIAL MR\$HPARM(52,MEM)*0
INITIAL MR\$HPARM(52,FMIOT)*0
INITIAL MR\$HPARM(52,FMINW)*0
INITIAL MR\$HPARM(52,INIRL)*0
INITIAL MR\$HPARM(52,WDSIN)*0
INITIAL MR\$HPARM(52,RTIME)*0

00013710
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00013740
00013750
00013760
00013770
00013780
00013790
00013800
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00013820
00013830
00013840

INITIAL MHSHPARM(52,WDQUIL)*0 00013850
INITIAL MHSHPARM(52,WTIME)*0 00013860
INITIAL MHSHPARM(52,CORWD)*0 00013870
INITIAL MHSHPARM(52,COWWD)*0 00013880
INITIAL MX\$FPARM(52,INTR)*000 00013890
INITIAL MX\$FPARM(52,OFST)*000 00013900
INITIAL MX\$FPARM(52,SOFSI)*0 00013910
INITIAL MX\$FPARM(52,OOFSI)*0 00013920
INITIAL MX\$FPARM(52,MOTIM)*0 00013930
INITIAL MX\$FPARM(52,MOTIM)*0 00013940

*
* MODULE 53 PARAMETERS

INITIAL MRSHPARM(53,ACT)*0 00013950
INITIAL MRSHPARM(53,PRIL)*0 00013960
INITIAL MRSHPARM(53,CORIT)*0 00013970
INITIAL MRSHPARM(53,MEM)*0 00013980
INITIAL MRSHPARM(53,FMIOI)*0 00013990
INITIAL MRSHPARM(53,FM*PT)*0 00014000
INITIAL MRSHPARM(53,FMINW)*0 00014010
INITIAL MRSHPARM(53,INPL)*0 00014020
INITIAL MRSHPARM(53,WDUSIN)*0 00014030
INITIAL MRSHPARM(53,WTIME)*0 00014040
INITIAL MRSHPARM(53,WDQUIL)*0 00014050
INITIAL MRSHPARM(53,WTIME)*0 00014060
INITIAL MRSHPARM(53,WTIME)*0 00014070
INITIAL MRSHPARM(53,WTIME)*0 00014080
INITIAL MRSHPARM(53,WTIME)*0 00014090
INITIAL MRSHPARM(53,WTIME)*0 00014100
INITIAL MRSHPARM(53,CORWD)*0 00014110
INITIAL MRSHPARM(53,COWWD)*0 00014120
INITIAL MX\$FPARM(53,INTR)*00000000 00014130
INITIAL MX\$FPARM(53,OFST)*0 00014140
INITIAL MX\$FPARM(53,SOFSI)*0 00014150
INITIAL MX\$FPARM(53,OOFSI)*0 00014160
INITIAL MX\$FPARM(53,MOTIM)*00000000 00014170
INITIAL MX\$FPARM(53,MOTIM)*00000000 00014180

*
* MODULE 54 PARAMETERS

INITIAL MHSHPARM(54,ACT)*0 00014190
INITIAL MHSHPARM(54,PRIL)*0 00014200
INITIAL MHSHPARM(54,CORIT)*0 00014210
INITIAL MHSHPARM(54,MEM)*0 00014220
INITIAL MHSHPARM(54,FMIOI)*0 00014230
INITIAL MHSHPARM(54,FM*PT)*0 00014240
INITIAL MHSHPARM(54,FMINW)*0 00014250
INITIAL MHSHPARM(54,INPL)*0 00014260

AD-A040 284

ROCKWELL INTERNATIONAL NEWPORT BEACH CALIF COLLINS G--ETC F/G 9/2
AN ARCHITECTURAL STUDY OF SIGNAL PROCESSING SYSTEMS AND SWITCHES--ETC(U)
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The microfiche card contains a grid of frames. The frames contain various technical diagrams and text, including job numbers and system names. The text is oriented vertically in the frames. Some of the visible text includes:

- SNLR1501 JOB 2386 SYSTEMS
- SNLR1502 JOB 2386 SYSTEMS
- SNLR1503 JOB 2386 SYSTEMS
- SNLR1504 JOB 2386 SYSTEMS
- SNLR1505 JOB 2386 SYSTEMS
- SNLR1506 JOB 2386 SYSTEMS
- SNLR1507 JOB 2386 SYSTEMS
- SNLR1508 JOB 2386 SYSTEMS
- SNLR1509 JOB 2386 SYSTEMS
- SNLR1510 JOB 2386 SYSTEMS
- SNLR1511 JOB 2386 SYSTEMS
- SNLR1512 JOB 2386 SYSTEMS
- SNLR1513 JOB 2386 SYSTEMS
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- SNLR1541 JOB 2386 SYSTEMS
- SNLR1542 JOB 2386 SYSTEMS
- SNLR1543 JOB 2386 SYSTEMS
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- SNLR1546 JOB 2386 SYSTEMS
- SNLR1547 JOB 2386 SYSTEMS
- SNLR1548 JOB 2386 SYSTEMS
- SNLR1549 JOB 2386 SYSTEMS
- SNLR1550 JOB 2386 SYSTEMS

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INITIAL MR\$HPARM(54,FM,IOI),0 00014270
 INITIAL MR\$HPARM(54,FM,OPT),0 00014280
 INITIAL MR\$HPARM(54,FM,INW),0 00014290
 INITIAL MR\$HPARM(54,IN,IRL),0 00014300
 INITIAL MR\$HPARM(54,WD,SN),0 00014310
 INITIAL MR\$HPARM(54,RTIME),0 00014320
 INITIAL MR\$HPARM(54,WD,DU),0 00014330
 INITIAL MR\$HPARM(54,RTIME),0 00014340
 INITIAL MR\$HPARM(54,COPWD),0 00014350
 INITIAL MR\$HPARM(54,COWD),0 00014360
 INITIAL MX\$FPARM(54,INTN),0 00014370
 INITIAL MX\$FPARM(54,INTN),0 00014380
 INITIAL MX\$FPARM(54,SOFST),0 00014390
 INITIAL MX\$FPARM(54,SOFT),0 00014400
 INITIAL MX\$FPARM(54,SOFT),0 00014410
 INITIAL MX\$FPARM(54,MOTIM),0 00014420
 *
 * MODULE 55 PARAMETERS
 *
 *
 *
 *
 INITIAL MR\$HPARM(55,ACT),0 00014430
 INITIAL MR\$HPARM(55,PRJ),0 00014440
 INITIAL MR\$HPARM(55,PRJ),0 00014450
 INITIAL MR\$HPARM(55,CONT),0 00014460
 INITIAL MR\$HPARM(55,PRJ),0 00014470
 INITIAL MR\$HPARM(55,PRJ),0 00014480
 INITIAL MR\$HPARM(55,CONT),0 00014490
 INITIAL MR\$HPARM(55,REM),0 00014500
 INITIAL MR\$HPARM(55,FM,IOI),0 00014510
 INITIAL MR\$HPARM(55,FM,IOI),0 00014520
 INITIAL MR\$HPARM(55,FM,INW),0 00014530
 INITIAL MR\$HPARM(55,IN,IRL),0 00014540
 INITIAL MR\$HPARM(55,WD,SN),0 00014550
 INITIAL MR\$HPARM(55,RTIME),0 00014560
 INITIAL MR\$HPARM(55,WD,DU),0 00014570
 INITIAL MR\$HPARM(55,RTIME),0 00014580
 INITIAL MR\$HPARM(55,COPWD),0 00014590
 INITIAL MR\$HPARM(55,COWD),0 00014600
 INITIAL MX\$FPARM(55,INTN),0 00014610
 INITIAL MX\$FPARM(55,INTN),0 00014620
 INITIAL MX\$FPARM(55,SOFST),0 00014630
 INITIAL MX\$FPARM(55,SOFT),0 00014640
 INITIAL MX\$FPARM(55,SOFT),0 00014650
 INITIAL MX\$FPARM(55,MOTIM),0 00014660
 *
 * MODULE 56 PARAMETERS
 *



* 00014690
 * INITIAL MBSHPARM(56,ACT),0
 INITIAL MBSHPARM(56,PHI),0
 INITIAL MBSHPARM(56,CONT),0
 INITIAL MBSHPARM(56,MEM),0
 INITIAL MBSHPARM(56,FMPT),0
 INITIAL MBSHPARM(56,FMINW),0
 INITIAL MBSHPARM(56,INTRL),0
 INITIAL MBSHPARM(56,WD\$IN),0
 INITIAL MBSHPARM(56,RTIME),0
 INITIAL MBSHPARM(56,WD\$DUI),0
 INITIAL MBSHPARM(56,WD\$TIME),0
 INITIAL MBSHPARM(56,CO\$WD),0
 INITIAL MBSHPARM(56,CO\$WDI),0
 INITIAL MBSHPARM(56,II\$INTR),0
 INITIAL MBSHPARM(56,SO\$EST),0
 INITIAL MBSHPARM(56,MO\$TIM),0
 * 00014700
 * 00014710
 * 00014720
 * 00014730
 * 00014740
 * 00014750
 * 00014760
 * 00014770
 * 00014780
 * 00014790
 * 00014800
 * 00014810
 * 00014820
 * 00014830
 * 00014840
 * 00014850
 * 00014860
 * 00014870
 * 00014880
 * 00014890
 * 00014900

* MODULE 57 PARAMETERS

* 00014910
 * 00014920
 * 00014930
 * 00014940
 * 00014950
 * 00014960
 * 00014970
 * 00014980
 * 00014990
 * 00015000
 * 00015010
 * 00015020
 * 00015030
 * 00015040
 * 00015050
 * 00015060
 * 00015070
 * 00015080
 * 00015090
 * 00015100

* INITIAL MBSHPARM(57,ACT),0
 INITIAL MBSHPARM(57,PHI),0
 INITIAL MBSHPARM(57,CONT),0
 INITIAL MBSHPARM(57,MEM),0
 INITIAL MBSHPARM(57,FMPT),0
 INITIAL MBSHPARM(57,FMINW),0
 INITIAL MBSHPARM(57,INTRL),0
 INITIAL MBSHPARM(57,WD\$IN),0
 INITIAL MBSHPARM(57,RTIME),0
 INITIAL MBSHPARM(57,WD\$DUI),0
 INITIAL MBSHPARM(57,WD\$TIME),0
 INITIAL MBSHPARM(57,CO\$WD),0
 INITIAL MBSHPARM(57,CO\$WDI),0
 INITIAL MBSHPARM(57,II\$INTR),0
 INITIAL MBSHPARM(57,MO\$TIM),0

INITIAL MX\$PARM(57,\$OFST),0 00015110
INITIAL MX\$PARM(57,\$OFST),0 00015120
INITIAL MX\$PARM(57,\$MOTIM),0 00015130
00015140
00015150
00015160
00015170

MODULE 58 PARAMETERS

INITIAL MR\$BPARM(58,\$ACT),0 00015180
INITIAL MR\$BPARM(58,\$PRI),0 00015190
00015200
INITIAL MR\$BPARM(58,\$CONT),0 00015210
INITIAL MR\$BPARM(58,\$MEM),0 00015220
INITIAL MR\$BPARM(58,\$FMIOI),0 00015230
INITIAL MR\$BPARM(58,\$FMIMPT),0 00015240
INITIAL MR\$BPARM(58,\$FMINW),0 00015250
INITIAL MR\$BPARM(58,\$INIRL),0 00015260
INITIAL MR\$BPARM(58,\$DSIN),0 00015270
INITIAL MR\$BPARM(58,\$RTIME),0 00015280
INITIAL MR\$BPARM(58,\$WDOUT),0 00015290
INITIAL MR\$BPARM(58,\$WTIME),0 00015300
INITIAL MR\$BPARM(58,\$CORWD),0 00015310
INITIAL MR\$BPARM(58,\$COWD),0 00015320
INITIAL MR\$PARM(58,\$INTR),0 00015330
INITIAL MX\$PARM(58,\$OINTR),0 00015340
INITIAL MX\$PARM(58,\$OFST),0 00015350
INITIAL MX\$PARM(58,\$OFST),0 00015360
INITIAL MX\$PARM(58,\$MOTIM),0 00015370
00015380
00015390

MODULE 59 PARAMETERS

INITIAL MR\$BPARM(59,\$ACT),0 00015420
INITIAL MR\$BPARM(59,\$PRI),0 00015430
00015440
INITIAL MR\$BPARM(59,\$CONT),0 00015450
INITIAL MR\$BPARM(59,\$MEM),0 00015460
INITIAL MR\$BPARM(59,\$FMIOI),0 00015470
INITIAL MR\$BPARM(59,\$FMIMPT),0 00015480
INITIAL MR\$BPARM(59,\$FMINW),0 00015490
INITIAL MR\$BPARM(59,\$INIRL),0 00015500
INITIAL MR\$BPARM(59,\$DSIN),0 00015510
INITIAL MR\$BPARM(59,\$WTIME),0 00015520

```
INITIAL MH$HPARM(59,WDQUIL).0 00015530
INITIAL MH$HPARM(59,WTIME).0 00015540
INITIAL MH$HPARM(59,CORWD).0 00015550
INITIAL MH$HPARM(59,COMWU).0 00015560
INITIAL MX$FPARM(59,IINTR).0 00015570
INITIAL MX$FPARM(59,OINTR).0 00015580
INITIAL MX$FPARM(59,SOFEST).0 00015590
INITIAL MX$FPARM(59,UOFS).0 00015610
INITIAL MX$FPARM(59,MOTIM).0 00015620
*
* MODULE 60 PARAMETERS
*
INITIAL MB$HPARM(60,ACT).0 00015630
INITIAL MB$HPARM(60,PRJ).0 00015640
INITIAL MB$HPARM(60,CONT).0 00015650
INITIAL MB$HPARM(60,MEM).0 00015660
INITIAL MB$HPARM(60,FMIOI).0 00015680
INITIAL MB$HPARM(60,FMPT).0 00015690
INITIAL MB$HPARM(60,FMINW).0 00015700
INITIAL MB$HPARM(60,INIRL).0 00015710
INITIAL MB$HPARM(60,WDQUIL).0 00015720
INITIAL MB$HPARM(60,WDIN).0 00015730
INITIAL MB$HPARM(60,WTIME).0 00015740
INITIAL MB$HPARM(60,CORWD).0 00015750
INITIAL MB$HPARM(60,COMWU).0 00015760
INITIAL MX$FPARM(60,IINTR).0 00015770
INITIAL MX$FPARM(60,OINTR).0 00015780
INITIAL MX$FPARM(60,SOFEST).0 00015790
INITIAL MX$FPARM(60,UOFS).0 00015800
INITIAL MX$FPARM(60,MOTIM).0 00015810
INITIAL MX$FPARM(60,ACT).0 00015820
INITIAL MX$FPARM(60,PRJ).0 00015830
INITIAL MX$FPARM(60,CONT).0 00015840
INITIAL MX$FPARM(60,MEM).0 00015850
INITIAL MX$FPARM(60,FMIOI).0 00015860
```

Appendix L-5a
RUN1

LISTING OF
SIGNAL PROCESSING SIMULATION RUN #1
(\$NLA1601)

*** CONFIGURATION PARAMETERS ***
 NOTE: REFER TO MODULE SETUP FOR MODULE IDENTIFICATION

MODULE NR	ACTIVE	PRIORITY	TYPE CONTROL	MEMORY TYPE	START/OUTPUT MODIFIER	EXECUTION MODIFIER	I/O DATA MODIFIER	INTERLOCK MODULE NR.	OUTPUT TO MODULE NR.	MAX Q LENTG
ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
1	0	126	1	0	0	0	0	0	2	2
2	0	125	1	0	0	0	0	0	3	4
3	0	124	1	0	0	0	0	0	5	4
4	0	123	1	0	0	0	0	0	5	2
5	0	122	1	0	0	0	0	0	6	5
6	0	121	1	0	0	0	0	0	7	2
7	0	120	2	0	0	0	0	6	2	2
8	0	119	2	0	0	0	0	7	0	2
9	0	0	0	0	0	0	0	0	0	2
10	0	0	0	0	0	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	2
12	1	126	1	0	0	0	0	0	13	2
13	1	125	1	0	0	0	0	0	14	4
14	1	124	1	0	0	0	0	0	15	2
15	1	122	1	0	0	0	0	0	17	5
16	1	123	1	0	0	0	0	0	15	2
17	1	121	1	0	0	0	0	0	18	2
18	1	120	2	0	0	0	0	17	13	2
19	1	119	2	0	0	0	0	18	0	2
20	0	124	1	0	0	0	0	0	0	2
21	0	122	1	0	0	0	0	0	0	2
22	0	0	0	0	0	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	2
24	0	126	1	0	0	0	0	0	0	2
25	0	125	1	0	0	0	0	0	25	2
26	0	124	1	0	0	0	0	0	24	4
27	0	123	1	0	0	0	0	0	28	2
28	0	122	1	0	0	0	0	0	28	2
29	0	121	1	0	0	0	0	0	29	5
30	0	0	0	0	0	0	0	0	0	2
31	0	0	0	0	0	0	0	0	0	2
32	0	0	0	0	0	0	0	0	0	2
33	0	0	0	0	0	0	0	0	0	2
34	0	0	0	0	0	0	0	0	0	2
35	0	0	0	0	0	0	0	0	0	2
36	0	0	0	0	0	0	0	0	0	2
37	0	126	1	0	0	0	0	0	0	2
38	0	125	1	0	0	0	0	0	0	2
39	0	124	1	0	0	0	0	0	0	2
40	0	123	1	0	0	0	0	0	0	2
41	0	122	1	0	0	0	0	0	0	2
42	0	121	1	0	0	0	0	0	0	2

*
 BYTE MATRIX BPARM

43	0	120	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
44	0	124	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
45	0	121	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
49	0	125	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
50	0	124	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
51	0	123	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
52	0	122	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
53	0	121	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
54	0	123	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
55	0	122	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
56	0	126	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
57	0	123	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
58	0	121	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5
59	0	120	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
60	0	119	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2

MODULE NR. WORDS INPUT READ TIME NR. WORDS OUTPUT WRITE TIME COMMON MEMORY STORAGE USE NR. READS NR. WRITES

* HALFWORD MATRIX HPARM

ROW/COLUMN	1	2	3	4	5	6
1	0	5	2	5	0	1
2	0	5	8	5	0	1
3	0	5	2	5	0	1
4	0	5	1	5	0	1
5	0	5	16	5	0	1
6	0	20	0	0	0	1
7	0	0	1	20	0	1
8	0	0	2	20	0	1
ROWS 9-11, COLUMNS 1-6 ARE ZERO						
12	0	5	2	5	0	1
13	0	5	8	5	0	1
14	0	5	2	5	0	1
15	0	5	16	5	0	1
16	0	5	1	5	0	1
17	0	20	0	0	0	1
18	0	0	1	20	0	1
19	0	0	2	20	0	1
20	0	0	17	5	0	0
21	0	0	18	5	0	0
ROWS 22-23, COLUMNS 1-6 ARE ZERO						
24	0	5	2	5	0	1
25	1	5	8	5	0	1
26	0	5	2	5	0	1
27	0	5	65	5	0	1
28	0	20	10*0	20	0	1
29	0	5	520	5	0	1
ROWS 30-36, COLUMNS 1-6 ARE ZERO						
37	0	6	12	5	0	0
38	0	0	3	5	0	0
39	0	0	33	5	0	0
40	0	0	1	5	0	0
41	0	0	34	5	0	0
42	0	0	1	5	0	0
43	0	0	1	5	0	0
44	0	0	17	5	0	0
45	0	0	18	5	0	0
ROWS 46-48, COLUMNS 1-6 ARE ZERO						
49	0	0	12	5	0	0
50	0	0	2	5	0	0
51	0	0	10*1	5	0	0
52	0	0	65	5	0	0
53	0	0	521	5	0	0
54	0	0	17	5	0	0
55	0	0	1	5	0	0
56	0	0	3	5	0	0
57	0	20	10*1	20	0	0
58	0	0	9	15	0	0
59	8	15	2	5	0	0
60	121	15	3	5	0	0

MODULE NR START CYCLE TIME OUTPUT PERIOD EXECUTION PERIOD START OFFSET OUTPUT OFFSET

FULLWORD MATRIX FPARM

ROW/COLUMN	1	2	3	4	5
1	3125	3125	0	0	0
2	3125	12500	0	0	0
3	12500	12500	0	0	0
4	12500	12500	0	0	0
5	12500	100000000	0	0	0
6	100000000	100000000	12000	0	0
7	100000000	100000000	2000	0	0
8	100000000	1500000000	45000	0	0
ROWS 9-11, COLUMNS 1-5 ARE ZERO					
12	3125	3125	0	0	0
13	3125	2000000	0	0	0
14	2000000	2000000	0	0	0
15	2000000	100000000	0	0	0
16	12500	2000000	0	0	0
17	100000000	100000000	12000	0	0
18	100000000	100000000	2000	0	0
19	100000000	1500000000	45000	0	0
20	2000000	400000000	0	0	0
21	400000000	400000000	0	0	0
ROWS 22-23, COLUMNS 1-5 ARE ZERO					
24	3125	3125	0	0	0
25	3125	12500	0	0	0
26	12500	12500	0	0	0
27	12500	12500	0	0	0
28	12500	100000000	0	0	0
29	100000000	100000000	0	0	0
ROWS 30-36, COLUMNS 1-5 ARE ZERO					
37	25000	25000	0	0	0
38	25000	25000	0	0	0
39	25000	400000000	0	0	0
40	12500	25000	0	0	0
41	400000000	400000000	0	0	0
42	600000000	600000000	0	0	0
43	600000000	600000000	0	0	0
44	25000	100000000	0	0	0
45	100000000	100000000	0	0	0
ROWS 46-48, COLUMNS 1-5 ARE ZERO					
49	12500	12500	0	0	0
50	12500	12500	0	0	0
51	12500	100000000	0	0	0
52	12500	12500	0	0	0
53	100000000	100000000	0	0	0
54	12500	100000000	0	0	0
55	12500	12500	0	0	0
56	3125	3125	0	0	0
57	12500	100000000	0	0	0
58	100000000	100000000	0	0	0
59	100000000	1500000000	2000	0	0
60	1500000000	1500000000	45000	0	0

**** PERFORMANCE CHARACTERISTICS ****

TOTAL ELAPSED TIME OF RUN = 14000000.

** INPUT/OUTPUT AVERAGE TIMES BY BLOCK TRANSMISSION **

MODULE NR	AVG TIME INPUT	AVG TIME OUTPUT	INTERNAL READ	INTERNAL WRITE	AVG TIME NEXTMSTR (INTR - (AVG I/O'S * MOTIM))	TIME DIFFERENCE
12	0	55	0	35	0	3035
13	0	185	0	35	0	2905
14	0	75	0	54	18	199871
15	0	480	0	25	0	199495
16	0	40	0	26	1	12434
17	0	0	0	130	87	9987870
18	0	25	0	100	25	9997875
19	0	0	0	25	0	9954975

ROWS 1-11, COLUMNS 1-6 ARE ZERO

ROWS 20-61, COLUMNS 1-6 ARE ZERO

** INTERLOCK MODULES **

START MODULE	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	TOTAL I/O	TOTAL (ALL) MODULE TIMES
12	0	0	0	0	0	0	0	403145	0
13	0	0	0	0	0	0	0	169580	0
14	0	0	0	0	0	0	0	9020	0
15	0	0	0	0	0	0	0	2255	0
16	0	0	0	0	0	0	0	32565	0
17	18	19	0	0	0	0	0	410	71000
18	0	0	0	0	0	0	0	150	47000
19	0	0	0	0	0	0	0	25	45000

ROWS 1-11, COLUMNS 1-9 ARE ZERO

ROWS 20-60, COLUMNS 1-9 ARE ZERO

* FULLWORD MATRIX LOCKS

** CALL MODULES **

CALLER MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MOD I/O TOTALS	CALLER MOD I/O TOTALS	CALLER MOD TIME TOTALS
---------------	----------------	----------------	----------------	----------------	----------------	------------------------	-----------------------	------------------------

FULLWORD MATRIX CALLS

ROW/COLUMN	1	2	3	4	5	6	7	8	9
12	0	0	0	0	0	0	0	403145	0
13	18	12	0	0	0	0	246370	169580	0
14	13	0	0	0	0	0	12765	9020	0
15	16	14	0	0	0	0	7935	2255	0
16	0	0	0	0	0	0	0	32565	0
17	15	0	0	0	0	0	480	260	24000
18	17	0	0	0	0	0	0	125	2000
19	0	0	0	0	0	0	0	25	45000

ROWS 1-11, COLUMNS 1-9 ARE ZERO

ROWS 20-60, COLUMNS 1-9 ARE ZERO

** BUS TIME, ACCUMULATION BY MODULE **
 NOTE: LAST 2 MODULES = CONTROL MODULE = TOTALS

MODULE NR	TIME UTILIZED	PERCENT OF TOTAL (XXXX = XX.XX%)
-----------	---------------	----------------------------------

FULLWORD MATRIX TIME

ROW/COLUMN	1	2
12	201580	143
13	117520	83
14	3130	2
15	2150	1
16	28690	20
17	50	0
18	50	0
19	25	0

ROWS 1-11, COLUMNS 1-2 ARE ZERO

ROW/COLUMN	1	2
61	149100	106
62	502295	358

ROWS 20-60, COLUMNS 1-2 ARE ZERO

** COMMON MEMORY USE STATISTICS (PERCENT OF BUS TIME)

I/O DATA TRANSFER TOTALS .00%
 INTERNAL DATA TRANSFER TOTALS 1.82%
 TOTAL COMMON MEMORY USAGE 1.82%

** WAIT STATISTICS OF MODULE STARTS AND OUTPUT STARTS **
 OUTPUT QUEUE EQUAL 60 + MODULE NR.

QUEUE	MAXIMUM CONTENTS	AVERAGE CONTENTS	TOTAL ENTRIES	ZERO ENTRIES	PERCENT ZEROS	AVERAGE TIME/TRANS	S AVERAGE TIME/TRANS	TABLE NUMBER	CURRENT CONTENTS
12	1	.000	4480	4480	100.0	.000	.000		
13	1	.000	4480	4411	98.4	2.541	165.000		
14	1	.000	70	70	100.0	.000	.000		
15	1	.000	70	69	98.5	6.714	470.000		
16	1	.000	1120	1051	93.8	1.232	20.000		
17	1	.000	2	2	100.0	.000	.000		
18	1	.000	1	1	100.0	.000	.000		
19	1	.000	1	1	100.0	.000	.000		
72	1	.000	4479	4479	100.0	.000	.000		
73	1	.000	69	69	100.0	.000	.000		
74	1	.000	69	69	100.0	.000	.000		
75	1	.000	1	1	100.0	.000	.000		
76	1	.000	69	69	100.0	.000	.000		
77	1	.000	1	1	100.0	.000	.000		
78	1	.000	1	1	100.0	.000	.000		

S AVERAGE TIME/TRANS = AVERAGE TIME/TRANS EXCLUDING ZERO ENTRIES

** UTILIZATION STATISTICS OF NEXTMASTER AND BUS **

FACILITY	NUMBER ENTRIES	AVERAGE TIME/TRAN	TOTAL TIME	UNAVAIL. TIME	PERCENT AVAILABILITY	CURRENT STATUS	TRANSACTION NUMBER SEIZING	PERCENT AVAILABILITY	SEIZING	PREEMPTING
NXTMS	34870	10.862	.027		100.0		24			
BUS	34869	14.405	.035		100.0		8			

FULLWORD MATRIX ISTOPR

ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
12	0	0	246345	4479	0	0	156800	4480	0	13438
13	0	0	12765	69	0	0	156815	4480	690	5032
14	0	0	5175	69	0	0	3845	70	3795	208
15	0	0	480	1	0	0	1775	70	0	86
16	0	0	2760	69	0	0	29805	1120	1450	1189
17	0	0	0	0	0	0	260	2	175	2
18	0	0	25	1	0	0	100	1	50	2
19	0	0	0	0	0	0	25	1	0	1
61	0	0	0	0	0	0	0	0	347770	14912

ROWS 1-11, COLUMNS 1-10 ARE ZERO

ROWS 20-60, COLUMNS 1-10 ARE ZERO

ROW/COLUMN 11

ROWS 1-16, COLUMNS 11-11 ARE ZERO

17 24000

18 2000

19 45000

ROWS 20-61, COLUMNS 11-11 ARE ZERO

***** TOTAL RUN TIME (INCLUDING ASSEMBLY) = 1.24 MINUTES *****

0

LISTING OF
SIGNAL PROCESSING SIMULATION RUN #2
(NLA1602)

Appendix L-5b
RUN2

*** CONFIGURATION PARAMETERS ***
 NOTE: REFER TO MODULE SETUP FOR MODULE IDENTIFICATION

MODULE NR	ACTIVE	PRIORITY	TYPE CONTROL	MEMORY TYPE	START/OUTPUT MODIFIER	EXECUTION MODIFIER	I/O DATA MODIFIER	INTERLOCK MODULE NR.	OUTPUT TO MODULE NR.	MAX Q LENTG
ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
1	0	126	1	0	0	0	0	0	2	2
2	0	125	1	0	0	0	0	0	3	4
3	0	124	1	0	0	0	0	0	5	2
4	0	123	1	0	0	0	0	0	5	2
5	0	122	1	0	0	0	0	0	6	5
6	0	121	1	0	0	0	0	0	7	2
7	0	120	2	0	0	0	0	6	2	2
8	0	119	2	0	0	0	0	7	0	2
9	0	0	0	0	0	0	0	0	0	2
10	0	0	0	0	0	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	2
12	0	126	1	0	0	0	0	0	13	2
13	0	125	1	0	0	0	0	0	14	4
14	0	124	1	0	0	0	0	0	15	2
15	0	122	1	0	0	0	0	0	17	5
16	0	123	1	0	0	0	0	0	15	2
17	0	121	1	0	0	0	0	0	18	2
18	0	120	2	0	0	0	0	17	13	2
19	0	119	2	0	0	0	0	18	0	2
20	0	124	1	0	0	0	0	0	0	2
21	0	122	1	0	0	0	0	0	0	2
22	0	0	0	0	0	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	2
24	0	126	1	0	0	0	0	0	25	2
25	0	125	1	0	0	0	0	0	24	4
26	0	124	1	0	0	0	0	0	28	2
27	0	123	1	0	0	0	0	0	28	2
28	0	122	1	0	0	0	0	0	29	5
29	0	121	1	0	0	0	0	0	0	2
30	0	0	0	0	0	0	0	0	0	2
31	0	0	0	0	0	0	0	0	0	2
32	0	0	0	0	0	0	0	0	0	2
33	0	0	0	0	0	0	0	0	0	2
34	0	0	0	0	0	0	0	0	0	2
35	0	0	0	0	0	0	0	0	0	2
36	1	126	1	0	0	0	0	0	37	2
37	1	125	1	0	0	0	0	0	38	4
38	1	124	1	0	0	0	0	0	44	2
39	1	122	1	0	0	0	0	0	41	5
40	1	123	1	0	0	0	0	0	44	2
41	0	121	1	0	0	0	0	0	0	2
42	0	120	2	0	0	0	0	41	37	2
43	0	119	2	0	0	0	0	42	0	2
44	1	122	1	0	0	0	0	0	45	5
45	1	121	1	0	0	0	0	0	46	2
46	1	120	2	0	0	0	0	45	37	2

• BYTE MATRIX BPARM

46	1	120	2	0	0	0	0	0	45	37	2
47	1	119	2	0	0	0	0	0	46	0	2
48	0	0	0	0	0	0	0	0	0	0	2
49	0	125	1	0	0	0	0	0	0	50	2
50	0	124	1	0	0	0	0	0	0	57	2
51	0	123	1	0	0	0	0	0	0	0	2
52	0	122	1	0	0	0	0	0	0	57	2
53	0	121	1	0	0	0	0	0	0	0	2
54	0	123	1	0	0	0	0	0	0	0	2
55	0	122	1	0	0	0	0	0	0	0	2
56	0	126	1	0	0	0	0	0	0	49	2
57	0	123	1	0	0	0	0	0	0	53	5
58	0	121	1	1	0	0	0	0	0	0	2
59	0	120	2	1	0	0	0	0	58	0	2
60	0	119	2	1	0	0	0	0	59	0	2

MODULE NR. WORDS INPUT READ TIME NR. WORDS OUTPUT WRITE TIME COMMON MEMORY STORAGE USE NR. READS NR. WRITES

HALFWORD MATRIX HPARM

ROW/COLUMN	1	2	3	4	5	6
1	0	5	2	5	0	1
2	0	5	2	5	0	1
3	0	5	2	5	0	1
4	0	5	1	5	0	1
5	0	5	16	5	0	1
6	0	20	0	5	0	1
7	0	0	1	20	0	1
8	0	0	2	20	0	1
ROWS 9-11, COLUMNS 1-6 ARE ZERO						
12	0	5	2	5	0	1
13	0	5	8	5	0	1
14	0	5	2	5	0	1
15	0	5	16	5	0	1
16	0	5	1	5	0	1
17	0	20	0	0	0	1
18	0	0	1	20	0	1
19	0	0	2	20	0	1
20	0	0	17	5	0	0
21	0	0	18	5	0	0
ROWS 22-23, COLUMNS 1-6 ARE ZERO						
24	0	5	2	5	0	1
25	1	5	8	5	0	1
26	0	5	2	5	0	1
27	0	5	65	5	0	1
28	0	20	1040	20	0	1
29	0	5	520	5	0	1
ROWS 30-35, COLUMNS 1-6 ARE ZERO						
36	0	5	2	5	0	1
37	0	5	8	5	0	1
38	0	5	2	5	0	1
39	0	5	32	5	0	1
40	0	5	1	5	0	1
41	0	20	0	0	0	1
42	0	0	1	20	0	1
43	0	0	2	20	0	0
44	0	5	16	5	0	1
45	0	20	0	0	0	1
46	0	0	1	20	0	1
47	0	0	2	20	0	1
48	0	0	0	0	0	0
49	0	0	12	5	0	0
50	0	0	2	5	0	0
51	0	0	1041	5	0	0
52	0	0	65	5	0	0
53	0	0	521	5	0	0
54	0	0	17	5	0	0
55	0	0	1	5	0	0
56	0	0	3	5	0	0
57	0	20	1041	20	0	0
58	0	0	9	15	0	0
59	8	15	2	5	0	0
60	121	15	3	5	0	0

MODULE NR	START CYCLE TIME	OUTPUT PERIOD	EXECUTION PERIOD	START OFFSET	OUTPUT OFFSET
FULLWORD MATRIX FPARM					
ROW/COLUMN	1	2	3	4	5
1	3125	3125	0	0	0
2	3125	12500	0	0	0
3	12500	12500	0	0	0
4	12500	12500	0	0	0
5	12500	10000000	0	0	0
6	10000000	10000000	12000	0	0
7	10000000	10000000	2000	0	0
8	10000000	150000000	45000	0	0
ROWS 9-11, COLUMNS 1-5 ARE ZERO					
12	3125	3125	0	0	0
13	3125	200000	0	0	0
14	200000	200000	0	0	0
15	200000	10000000	0	0	0
16	12500	200000	0	0	0
17	10000000	10000000	12000	0	0
18	10000000	10000000	2000	0	0
19	10000000	150000000	45000	0	0
20	200000	40000000	0	0	0
21	40000000	40000000	0	0	0
ROWS 22-23, COLUMNS 1-5 ARE ZERO					
24	3125	3125	0	0	0
25	3125	12500	0	0	0
26	12500	12500	0	0	0
27	12500	12500	0	0	0
28	12500	10000000	0	0	0
29	10000000	10000000	0	0	0
ROWS 30-35, COLUMNS 1-5 ARE ZERO					
36	3125	3125	0	0	0
37	3125	25000	0	0	0
38	25000	25000	0	0	0
39	25000	40000000	0	0	0
40	12500	25000	0	0	0
41	40000000	40000000	12000	0	0
42	600000000	600000000	2000	0	0
43	600000000	600000000	45000	0	0
44	25000	10000000	0	0	0
45	10000000	10000000	12000	0	0
46	10000000	10000000	2000	0	0
47	10000000	10000000	45000	0	0
48	0	0	0	0	0
49	12500	12500	0	0	0
50	12500	12500	0	0	0
51	12500	10000000	0	0	0
52	12500	12500	0	0	0
53	10000000	10000000	0	0	0
54	12500	10000000	0	0	0
55	12500	12500	0	0	0
56	3125	3125	0	0	0
57	12500	10000000	0	0	0
58	10000000	10000000	0	0	0
59	10000000	150000000	2000	0	0
60	150000000	150000000	45000	0	0

**** PERFORMANCE CHARACTERISTICS ****

TOTAL ELAPSED TIME OF RUN = 14000000.

** INPUT/OUTPUT AVERAGE TIMES BY BLOCK TRANSMISSION **

MODULE NR	AVG TIME INPUT	AVG TIME OUTPUT	INTERNAL READ	INTERNAL WRITE	AVG TIME NEXTMSTR (INTR - (AVG I/O'S + MOTIM))	TIME DIFFERENCE
36	0	55	0	35	0	3035
37	0	185	0	35	0	2905
38	0	75	0	54	18	24871
39	0	0	0	0	0	0
40	0	40	0	37	6	12423
44	0	480	0	25	0	24495
45	0	0	0	142	92	9987858
46	0	25	0	100	25	9997875
47	0	50	0	25	0	9954925

• FULLWORD MATRIX IAVG

ROW/COLUMN 1 2 3 4 5 6

ROWS 1-35, COLUMNS 1-6 ARE ZERO

ROWS 41-43, COLUMNS 1-6 ARE ZERO

ROWS 48-61, COLUMNS 1-6 ARE ZERO

** INTERLOCK MODULES **

START MODULE	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	TOTAL I/O	TOTAL (ALL) MODULE TIMES
36	0	0	0	0	0	0	0	403145	0
37	0	0	0	0	0	0	0	260230	0
38	0	0	0	0	0	0	0	72705	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	64360	0
44	46	47	0	0	0	0	0	14620	0
45	46	47	0	0	0	0	0	485	71000
46	47	0	0	0	0	0	0	200	47000
47	0	0	0	0	0	0	0	75	45000

• FULLWORD MATRIX LOCKS

ROW/COLUMN 1 2 3 4 5 6 7 8 9

ROWS 1-35, COLUMNS 1-9 ARE ZERO

ROWS 41-43, COLUMNS 1-9 ARE ZERO

ROWS 48-60, COLUMNS 1-9 ARE ZERO

** CALL MODULES **

CALLER MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MOD I/O TOTALS	CALLER MOD I/O TOTALS	CALLER MOD TIME TOTALS
---------------	----------------	----------------	----------------	----------------	----------------	------------------------	-----------------------	------------------------

FULLWORD MATRIX CALLS

ROW/COLUMN	1	2	3	4	5	6	7	8	9
36	0	0	0	0	0	0	0	403145	0
37	46	36	0	0	0	0	246370	260230	0
38	37	0	0	0	0	0	103415	72705	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	64360	0
44	40	38	0	0	0	0	64285	14620	0
45	44	0	0	0	0	0	480	285	24000
46	45	0	0	0	0	0	0	125	2000
47	0	0	0	0	0	0	0	75	45000

** BUS TIME, ACCUMULATION BY MODULE **
 NOTE: LAST 2 MODULES = CONTROL MODULE = TOTALS

MODULE NR	TIME UTILIZED	PERCENT OF TOTAL (XXXX = XX.XX%)
-----------	---------------	----------------------------------

FULLWORD MATRIX TIMT

ROW/COLUMN	1	2
36	201580	143
37	156720	11
38	25180	17
39	0	0
40	33590	23
44	14400	10
45	50	0
46	50	0
47	75	0
61	173600	124
62	605245	432

** COMMON MEMORY USE STATISTICS (PERCENT OF BUS TIME)

I/O DATA TRANSFER TOTALS .00%
 INTERNAL DATA TRANSFER TOTALS 2.00%
 TOTAL COMMON MEMORY USAGE 2.00%

** WAIT STATISTICS OF MODULE STARTS AND OUTPUT STARTS **
 OUTPUT QUEUE EQUAL 60 * MODULE NR.

QUEUE	MAXIMUM CONTENTS	AVERAGE CONTENTS	TOTAL ENTRIES	ZERO ENTRIES	PERCENT ZEROS	AVERAGE TIME/TRANS	AVERAGE \$ TIME/TRANS	TABLE NUMBER	CURRENT CONTENTS
36	1	.000	4480	4480	100.0	.000	.000		
37	1	.006	4480	3921	87.5	20.588	165.000		
38	1	.000	560	560	100.0	.000	.000		
40	1	.000	1120	561	50.0	9.982	20.000		
44	1	.000	560	559	99.8	.839	470.000		
45	1	.000	2	2	100.0	.000	.000		
46	1	.000	1	1	100.0	.000	.000		
47	1	.000	1	1	100.0	.000	.000		
96	1	.000	4479	4479	100.0	.000	.000		
97	1	.000	559	559	100.0	.000	.000		
98	1	.000	559	559	100.0	.000	.000		
100	1	.000	559	559	100.0	.000	.000		
104	1	.000	1	1	100.0	.000	.000		
105	1	.000	1	1	100.0	.000	.000		
106	1	.000	1	1	100.0	.000	.000		
107	1	.000	1	1	100.0	.000	.000		

AVERAGE TIME/TRANS = AVERAGE TIME/TRANS EXCLUDING ZERO ENTRIES

** UTILIZATION STATISTICS OF NEXTMASTER AND BUS **

FACILITY	NUMBER ENTRIES	AVERAGE TIME/TRAN	-AVERAGE TOTAL TIME	UTILIZATION DURING- UNAVAIL. TIME	CURRENT STATUS	PERCENT AVAILABILITY	TRANSACTION NUMBER SEIZING	PREEMPTING
NXTMS	43692	11.024	.034			100.0	24	
BUS	43691	13.853	.043			100.0	21	

FULLWORD MATRIX ISTOPR

ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
	ROWS 1-35, COLUMNS 1-10 ARE ZERO									
36	0	0	246345	4479	0	0	156800	4480	0	13438
37	0	0	103415	559	0	0	156815	4480	5590	8952
38	0	0	41925	559	0	0	30780	560	30745	1678
39	0	0	0	0	0	0	0	0	0	0
40	0	0	22360	559	0	0	42000	1120	11180	1679
	ROWS 41-43, COLUMNS 1-10 ARE ZERO									
44	0	0	480	1	0	0	14140	560	115	576
45	0	0	0	0	0	0	285	2	185	2
46	0	0	25	1	0	0	100	1	50	2
47	0	0	50	1	0	0	25	1	0	3
	ROWS 48-60, COLUMNS 1-10 ARE ZERO									
61	0	0	0	0	0	0	0	0	781385	17362

ROW/COLUMN 11

45	24000	ROWS 1-44, COLUMNS 11-11 ARE ZERO								
46	2000									
47	45000	ROWS 48-61, COLUMNS 11-11 ARE ZERO								

***** TOTAL RUN TIME (INCLUDING ASSEMBLY) = 1.53 MINUTES *****

LISTING OF
SIGNAL PROCESSING SIMULATION RUN #3
(\$NLA1603)

Appendix L-5c
RUN3

C GUR P TER ***

NOTE: REFER TO MODULE SETUP FOR MODULE IDENTIFICATION

MODULE NR ACTIVE PRIORITY TYPE CONTROL MEMORY TYPE START/OUTPUT MODIFIER EXECUTION MODIFIER I/O DATA MODIFIER INTERLOCK MODULE NR. OUTPUT TO MODULE NR. MAX Q LENTG

ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
1	1	126	1	0	0	0	0	0	2	2
2	1	125	1	0	0	0	0	0	3	4
3	1	124	1	0	0	0	0	0	5	2
4	1	123	1	0	0	0	0	0	5	2
5	1	122	1	0	0	0	0	0	6	5
6	1	121	1	0	0	0	0	0	7	2
7	1	120	2	0	0	0	0	6	2	2
8	1	119	2	0	0	0	0	7	0	2
9	0	0	0	0	0	0	0	0	0	2
10	0	0	0	0	0	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	2
12	0	0	0	0	0	0	0	0	0	2
13	0	126	1	0	0	0	0	0	0	2
14	0	125	1	0	0	0	0	0	0	2
15	0	124	1	0	0	0	0	0	0	2
16	0	123	1	0	0	0	0	0	0	2
17	0	122	1	0	0	0	0	0	0	2
18	0	120	1	0	0	0	0	0	0	2
19	0	119	1	0	0	0	0	0	0	2
20	0	124	1	0	0	0	0	0	0	2
21	0	122	1	0	0	0	0	0	0	2
22	0	0	0	0	0	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	2
24	0	0	0	0	0	0	0	0	0	2
25	0	0	0	0	0	0	0	0	0	2
26	0	0	0	0	0	0	0	0	0	2
27	0	0	0	0	0	0	0	0	0	2
28	0	0	0	0	0	0	0	0	0	2
29	0	0	0	0	0	0	0	0	0	2
30	0	0	0	0	0	0	0	0	0	2
31	0	0	0	0	0	0	0	0	0	2
32	0	0	0	0	0	0	0	0	0	2
33	0	0	0	0	0	0	0	0	0	2
34	0	0	0	0	0	0	0	0	0	2
35	0	0	0	0	0	0	0	0	0	2
36	0	0	0	0	0	0	0	0	0	2
37	0	126	1	0	0	0	0	0	0	2
38	0	125	1	0	0	0	0	0	0	2
39	0	124	1	0	0	0	0	0	0	2
40	0	123	1	0	0	0	0	0	0	2
41	0	122	1	0	0	0	0	0	0	2
42	0	121	1	0	0	0	0	0	0	2
43	0	120	1	0	0	0	0	0	0	2
44	0	124	1	0	0	0	0	0	0	2
45	0	121	1	0	0	0	0	0	0	2
46	0	0	0	0	0	0	0	0	0	2
47	0	0	0	0	0	0	0	0	0	2
48	0	0	0	0	0	0	0	0	0	2
49	0	125	1	0	0	0	0	0	50	2
50	0	124	1	0	0	0	0	0	57	2
51	0	123	1	0	0	0	0	0	0	2
52	0	122	1	0	0	0	0	0	57	2

53	0	121	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
54	0	123	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
55	0	122	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
56	0	126	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	2
57	0	123	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53	5
58	0	121	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
59	0	120	2	1	0	0	0	0	0	0	0	0	0	0	0	58	0	0	0	2
60	0	119	2	1	0	0	0	0	0	0	0	0	0	0	0	59	0	0	0	2

MODULE NR. INPUT NR. WORDS READ TIME NR. WORDS OUTPUT WRITE TIME COMMON MEMORY STORAGE USE NR. READS NR. WRITES

• HALFWORD MATRIX HPARM

ROW/COLUMN	1	2	3	4	5	6
1	0	5	2	5	0	1
2	0	5	8	5	0	1
3	0	5	2	5	0	1
4	0	5	1	5	0	1
5	0	5	16	5	0	1
6	0	20	0	0	0	1
7	0	0	1	20	0	1
8	0	0	2	20	0	1
ROWS 9-12, COLUMNS 1-6 ARE ZERO						
13	0	0	11	5	0	0
14	0	0	3	5	0	0
15	0	0	17	5	0	0
16	0	0	1	5	0	0
17	0	0	18	5	0	0
18	0	0	2	5	0	0
19	0	0	3	5	0	0
20	0	0	17	5	0	0
21	0	0	18	5	0	0
ROWS 22-36, COLUMNS 1-6 ARE ZERO						
37	0	6	12	5	0	0
38	0	0	3	5	0	0
39	0	0	33	5	0	0
40	0	0	1	5	0	0
41	0	0	34	5	0	0
42	0	0	1	5	0	0
43	0	0	1	5	0	0
44	0	0	17	5	0	0
45	0	0	18	5	0	0
ROWS 46-48, COLUMNS 1-6 ARE ZERO						
49	0	0	12	5	0	0
50	0	0	2	5	0	0
51	0	0	1041	5	0	0
52	0	0	65	5	0	0
53	0	0	521	5	0	0
54	0	0	17	5	0	0
55	0	0	1	5	0	0
56	0	0	3	5	0	0
57	0	20	1041	20	0	0
58	0	0	9	15	0	0
59	8	15	2	5	0	0
60	121	15	3	5	0	0

MODULE START CYCLE TIME OUTPUT EXECUTION START OUTPUT
 NR PERIOD PERIOD PERIOD PERIOD PERIOD PERIOD PERIOD PERIOD PERIOD PERIOD
 OFFSET OFFSET OFFSET OFFSET OFFSET OFFSET OFFSET OFFSET OFFSET OFFSET

FULLWORD MATRIX FPARM

ROW/COLUMN	1	2	3	4	5
1	3125	3125	0	0	0
2	3125	12500	0	0	0
3	12500	12500	0	0	0
4	12500	12500	0	0	0
5	12500	10000000	0	0	0
6	10000000	10000000	12000	0	0
7	10000000	10000000	2000	0	0
8	10000000	150000000	45000	0	0
		ROWS 9-12, COLUMNS 1-5 ARE ZERO			
13	200000	200000	0	0	0
14	200000	200000	0	0	0
15	200000	10000000	0	0	0
16	12500	200000	0	0	0
17	10000000	10000000	0	0	0
18	150000000	150000000	0	0	0
19	150000000	150000000	0	0	0
20	200000	40000000	0	0	0
21	40000000	40000000	0	0	0
		ROWS 22-36, COLUMNS 1-5 ARE ZERO			
37	25000	25000	0	0	0
38	25000	25000	0	0	0
39	25000	40000000	0	0	0
40	12500	25000	0	0	0
41	40000000	40000000	0	0	0
42	600000000	600000000	0	0	0
43	600000000	600000000	0	0	0
44	25000	10000000	0	0	0
45	10000000	10000000	0	0	0
		ROWS 46-48, COLUMNS 1-5 ARE ZERO			
49	12500	12500	0	0	0
50	12500	12500	0	0	0
51	12500	10000000	0	0	0
52	12500	12500	0	0	0
53	10000000	10000000	0	0	0
54	12500	10000000	0	0	0
55	12500	12500	0	0	0
56	3125	3125	0	0	0
57	12500	10000000	0	0	0
58	10000000	10000000	0	0	0
59	10000000	150000000	2000	0	0
60	150000000	150000000	45000	0	0

**** PERFORMANCE CHARACTERISTICS ****

TOTAL ELAPSED TIME OF RUN = 14000000.

** INPUT/OUTPUT AVERAGE TIMES BY BLOCK TRANSMISSION **

MODULE NR	AVG TIME INPUT	AVG TIME OUTPUT	INTERNAL READ	INTERNAL WRITE	AVG TIME NEXTMSTR	TIME DIFFERENCE
ROW/COLUMN	1	2	3	4	5	6
1	0	55	0	35	0	3035
2	0	185	0	38	0	2902
3	0	75	0	54	18	12371
4	0	70	0	54	27	12376
5	0	480	0	25	0	11995
6	0	0	0	142	92	9987858
7	0	25	0	100	25	9997875
8	0	0	0	25	0	9954975

ROWS 9-61, COLUMNS 1-6 ARE ZERO

** INTERLOCK MODULES **

START MODULE	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	TOTAL I/O	TOTAL (ALL) MODULE TIMES
ROW/COLUMN	1	2	3	4	5	6	7	8	9
1	0	0	0	0	0	0	0	403145	0
2	0	0	0	0	0	0	0	380615	0
3	0	0	0	0	0	0	0	145505	0
4	0	0	0	0	0	0	0	139925	0
5	0	0	0	0	0	0	0	28620	0
6	7	8	0	0	0	0	0	435	71000
7	8	0	0	0	0	0	0	150	47000
8	0	0	0	0	0	0	0	25	45000

ROWS 9-60, COLUMNS 1-9 ARE ZERO

** CALL MODULES **

CALLER CALLING CALLING CALLING CALLING CALLING CALLING CALLER
MODULE MODULE MODULE MODULE MODULE MODULE MODULE MOD
I/O TOTALS I/O TOTALS I/O TOTALS I/O TOTALS I/O TOTALS I/O TOTALS

FULLWORD MATRIX CALLS

ROW/COLUMN	1	2	3	4	5	6	7	8	9
1	0	0	0	0	0	0	0	403145	0
2	7	1	0	0	0	0	246370	380615	0
3	2	0	0	0	0	0	207015	145505	0
4	0	0	0	0	0	0	0	139925	0
5	4	3	0	0	0	0	162255	28620	0
6	5	0	0	0	0	0	480	285	24000
7	6	0	0	0	0	0	0	125	2000
8	0	0	0	0	0	0	0	25	45000

ROWS 9-60, COLUMNS 1-9 ARE ZERO

** BUS TIME, ACCUMULATION BY MODULE **
NOTE: LAST 2 MODULES = CONTROL MODULE = TOTALS

MODULE TIME PERCENT (XXXX = XX.XX%)
NR UTILIZED OF TOTAL

FULLWORD MATRIX TIME

ROW/COLUMN	1	2
1	201580	143
2	201520	143
3	50380	35
4	39190	27
5	28400	20
6	50	0
7	50	0
8	25	0

ROWS 9-60, COLUMNS 1-2 ARE ZERO

61	201600	144
62	722795	516

** COMMON MEMORY USE STATISTICS (PERCENT OF BUS TIME)

I/O DATA TRANSFER TOTALS .008
INTERNAL DATA TRANSFER TOTALS 2.20%
TOTAL COMMON MEMORY USAGE 2.20%

** WAIT STATISTICS OF MODULE STARTS AND OUTPUT STARTS **
 OUTPUT QUEUE EQUAL 60 + MODULE NR.

QUEUE	MAXIMUM CONTENTS	AVERAGE CONTENTS	TOTAL ENTRIES	ZERO ENTRIES	PERCENT ZEROS	AVERAGE TIME/TRANS	SAVERAGE TIME/TRANS	TABLE NUMBER	CURRENT CONTENTS
1	1	.000	4480	4480	100.0	.000	.000		
2	1	.013	4480	3361	75.0	41.213	165.000		
3	1	.000	1120	1120	100.0	.000	.000		
4	1	.000	1120	1120	100.0	.000	.000		
5	1	.000	1120	1119	99.9	.419	470.000		
6	1	.000	2	2	100.0	.000	.000		
7	1	.000	1	1	100.0	.000	.000		
8	1	.000	1	1	100.0	.000	.000		
61	1	.000	4479	4479	100.0	.000	.000		
62	1	.000	1119	1119	100.0	.000	.000		
63	1	.000	1119	1119	100.0	.000	.000		
64	1	.000	1119	1119	100.0	.000	.000		
65	1	.000	1	1	100.0	.000	.000		
66	1	.000	1	1	100.0	.000	.000		
67	1	.000	1	1	100.0	.000	.000		
SAVERAGE TIME/TRANS = AVERAGE TIME/TRANS EXCLUDING ZERO ENTRIES									

** UTILIZATION STATISTICS OF NEXTMASTER AND BUS **

FACILITY	NUMBER ENTRIES	AVERAGE TIME/TRAN	-AVERAGE UTILIZATION DURING-				CURRENT STATUS	PERCENT AVAILABILITY	TRANSACTION NUMBER	
			TOTAL TIME	AVAIL. TIME	UNAVAIL. TIME	SEIZING			PREEMPTING	
NATMS	53770	11.145	.042				100.0	12		
BUS	53769	13.443	.051				100.0	24		

FULLWORD MATRIX ISTOPR

ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
1	0	0	246345	4479	0	0	156800	4480	0	13438
2	0	0	207015	1119	0	0	173600	4480	11190	13432
3	0	0	83925	1119	0	0	61580	1120	61545	3358
4	0	0	78330	1119	0	0	61595	1120	61545	2239
5	0	0	480	1	0	0	28140	1120	115	1136
6	0	0	0	0	0	0	285	2	185	2
7	0	0	25	1	0	0	100	1	50	2
8	0	0	0	0	0	0	25	1	0	1
61	0	0	0	0	0	0	0	0	1293770	20162

ROW/COLUMN 11

6	24000
7	2000
8	45000

***** TOTAL RUN TIME (INCLUDING ASSEMBLY) = 1.85 MINUTES *****

LISTING OF
SIGNAL PROCESSING SIMULATION RUN #4
(\$NLA1604)

**** CONFIGURATION PARAMETERS ****
 NOTE: REFER TO MODULE SETUP FOR MODULE IDENTIFICATION

MODULE NR	ACTIVE	PRIORITY	TYPE CONTROL	MEMORY TYPE	START/OUTPUT MODIFIER	EXECUTION MODIFIER	I/O DATA MODIFIER	INTERLOCK MODULE NR.	OUTPUT TO MODULE NR.	MAX Q LENTG
ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
1	1	126	1	0	0	0	0	0	2	2
2	1	125	1	0	0	0	0	0	3	4
3	1	124	1	0	0	0	0	0	5	2
4	1	123	1	0	0	0	0	0	5	2
5	1	122	1	0	0	0	0	0	6	5
6	1	121	1	0	0	0	0	0	7	2
7	1	120	1	0	0	0	0	0	2	2
8	1	119	2	0	0	0	0	7	0	2
9	0	0	0	0	0	0	0	0	0	2
10	0	0	0	0	0	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	2
12	0	0	0	0	0	0	0	0	0	2
13	0	126	1	0	0	0	0	0	0	2
14	0	125	1	0	0	0	0	0	0	2
15	0	124	1	0	0	0	0	0	0	2
16	0	123	1	0	0	0	0	0	0	2
17	0	122	1	0	0	0	0	0	0	2
18	0	120	1	0	0	0	0	0	0	2
19	0	119	1	0	0	0	0	0	0	2
20	0	124	1	0	0	0	0	0	0	2
21	0	122	1	0	0	0	0	0	0	2
22	0	0	0	0	0	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	2
24	0	0	0	0	0	0	0	0	0	2
25	0	0	0	0	0	0	0	0	0	2
26	0	0	0	0	0	0	0	0	0	2
27	0	0	0	0	0	0	0	0	0	2
28	0	0	0	0	0	0	0	0	0	2
29	0	0	0	0	0	0	0	0	0	2
30	0	0	0	0	0	0	0	0	0	2
31	0	0	0	0	0	0	0	0	0	2
32	0	0	0	0	0	0	0	0	0	2
33	0	0	0	0	0	0	0	0	0	2
34	0	0	0	0	0	0	0	0	0	2
35	0	0	0	0	0	0	0	0	0	2
36	0	0	0	0	0	0	0	0	0	2
37	0	126	1	0	0	0	0	0	0	2
38	0	125	1	0	0	0	0	0	0	2
39	0	124	1	0	0	0	0	0	0	2
40	0	123	1	0	0	0	0	0	0	2
41	0	122	1	0	0	0	0	0	0	2
42	0	121	1	0	0	0	0	0	0	2
43	0	120	1	0	0	0	0	0	0	2
44	0	124	1	0	0	0	0	0	0	2
45	0	121	1	0	0	0	0	0	0	2
46	0	0	0	0	0	0	0	0	0	2
47	0	0	0	0	0	0	0	0	0	2
48	0	0	0	0	0	0	0	0	0	2

• BYTE MATRIX BPARM

49	0	125	1	0	0	0	0	0	0	0	0	50	2
50	0	124	1	0	0	0	0	0	0	0	0	57	2
51	0	123	1	0	0	0	0	0	0	0	0	0	2
52	0	122	1	0	0	0	0	0	0	0	0	57	2
53	0	121	1	0	0	0	0	0	0	0	0	0	2
54	0	123	1	0	0	0	0	0	0	0	0	0	2
55	0	122	1	0	0	0	0	0	0	0	0	0	2
56	0	126	1	0	0	0	0	0	0	0	0	49	2
57	0	123	1	0	0	0	0	0	0	0	0	53	5
58	0	121	1	1	0	0	0	0	0	0	0	0	2
59	0	120	2	1	0	0	0	0	0	0	58	0	2
60	0	119	2	1	0	0	0	0	0	0	59	0	2

MODULE NR WORDS INPUT READ TIME NR WORDS OUTPUT WRITE TIME COMMON MEMORY STORAGE USE NR. READS NR. WRITES

HALFWORD MATRIX HPARM

ROW/COLUMN	1	2	3	4	5	6
1	0	5	2	5	0	1
2	0	5	8	5	0	1
3	0	5	2	5	0	1
4	0	5	1	5	0	1
5	0	5	16	5	0	1
6	0	5	8	5	0	1
7	0	20	1	20	0	1
8	0	0	2	20	0	1
ROWS 9-12, COLUMNS 1-6 ARE ZERO						
13	0	0	11	5	0	0
14	0	0	3	5	0	0
15	0	0	17	5	0	0
16	0	0	1	5	0	0
17	0	0	18	5	0	0
18	0	0	2	5	0	0
19	0	0	3	5	0	0
20	0	0	17	5	0	0
21	0	0	18	5	0	0
ROWS 22-36, COLUMNS 1-6 ARE ZERO						
37	0	6	12	5	0	0
38	0	0	3	5	0	0
39	0	0	33	5	0	0
40	0	0	1	5	0	0
41	0	0	34	5	0	0
42	0	0	1	5	0	0
43	0	0	1	5	0	0
44	0	0	17	5	0	0
45	0	0	18	5	0	0
ROWS 46-48, COLUMNS 1-6 ARE ZERO						
49	0	0	12	5	0	0
50	0	0	2	5	0	0
51	0	0	1041	5	0	0
52	0	0	65	5	0	0
53	0	0	521	5	0	0
54	0	0	17	5	0	0
55	0	0	1	5	0	0
56	0	0	3	5	0	0
57	0	20	1041	20	0	0
58	0	0	9	15	0	0
59	8	15	2	5	0	0
60	121	15	3	5	0	0

MODULE START OUTPUT EXECUTION START OUTPUT
 NR CYCLE TIME PERIOD PERIOD PERIOD OFFSET OFFSET

* FULLWORD MATRIX FPARM

ROW/COLUMN	1	2	3	4	5
1	3125	3125	0	0	0
2	3125	1250	0	0	0
3	1250	1250	0	0	0
4	1250	1250	0	0	0
5	1250	10000000	0	0	0
6	10000000	10000000	12000	0	0
7	10000000	10000000	2000	0	0
8	10000000	150000000	45000	0	0
		ROWS 9-12, COLUMNS 1-5 ARE ZERO			
13	200000	200000	0	0	0
14	200000	200000	0	0	0
15	200000	10000000	0	0	0
16	1250	200000	0	0	0
17	10000000	10000000	0	0	0
18	150000000	150000000	0	0	0
19	150000000	150000000	0	0	0
20	200000	40000000	0	0	0
21	40000000	40000000	0	0	0
		ROWS 22-36, COLUMNS 1-5 ARE ZERO			
37	25000	25000	0	0	0
38	25000	25000	0	0	0
39	25000	40000000	0	0	0
40	12500	25000	0	0	0
41	40000000	40000000	0	0	0
42	600000000	600000000	0	0	0
43	600000000	600000000	0	0	0
44	25000	10000000	0	0	0
45	10000000	10000000	0	0	0
		ROWS 46-48, COLUMNS 1-5 ARE ZERO			
49	12500	12500	0	0	0
50	12500	12500	0	0	0
51	12500	10000000	0	0	0
52	12500	12500	0	0	0
53	10000000	10000000	0	0	0
54	12500	10000000	0	0	0
55	12500	12500	0	0	0
56	3125	3125	0	0	0
57	12500	10000000	0	0	0
58	10000000	10000000	0	0	0
59	10000000	150000000	2000	0	0
60	150000000	150000000	45000	0	0

**** PERFORMANCE CHARACTERISTICS ****

TOTAL ELAPSED TIME OF RUN = 14000000.

** INPUT/OUTPUT AVERAGE TIMES BY BLOCK TRANSMISSION **

MODULE NR	AVG TIME INPUT	AVG TIME OUTPUT	INTERNAL READ	INTERNAL WRITE	AVG TIME DIFFERENCE NEXTMSTR (INTR - (AVG I/O'S + MOTIM))
1	0	55	0	35	0
2	0	185	0	38	0
3	0	75	0	54	18
4	0	70	0	54	27
5	0	485	0	25	0
6	0	315	0	115	19
7	0	70	0	145	80
8	0	0	0	35	9997785
					9954965

ROWS 9-61, COLUMNS 1-6 ARE ZERO

** INTERLOCK MODULES **

START MODULE	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	TOTAL I/O	TOTAL (ALL) MODULE TIMES
1	0	0	0	0	0	0	0	403145	0
2	0	0	0	0	0	0	0	380615	0
3	0	0	0	0	0	0	0	145505	0
4	0	0	0	0	0	0	0	139925	0
5	0	0	0	0	0	0	0	28535	0
6	0	0	0	0	0	0	0	545	24000
7	8	0	0	0	0	0	0	395	49000
8	0	0	0	0	0	0	0	35	45000

ROWS 9-60, COLUMNS 1-9 ARE ZERO

** CALL MODULES **

CALLER MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MOD I/O TOTALS	CALLER MOD I/O TOTALS	CALLER MOD TIME TOTALS
1	0	0	0	0	0	0	403145	0
2	7	1	0	0	0	246415	380615	0
3	2	0	0	0	0	207015	145505	0
4	0	0	0	0	0	0	139925	0
5	4	3	0	0	0	162255	28535	0
6	5	0	0	0	0	485	545	24000
7	6	0	0	0	0	315	360	4000
8	0	0	0	0	0	0	35	45000

* FULLWORD MATRIX CALLS

ROWS 9-60, COLUMNS 1-9 ARE ZERO

** BUS TIME, ACCUMULATION BY MODULE **
NOTE: LAST 2 MODULES = CONTROL MODULE = TOTALS

MODULE NR TIME UTILIZED PERCENT (XXXX = XX.XX%) OF TOTAL

* FULLWORD MATRIX TIMT

ROW/COLUMN	1	2
1	201580	143
2	201520	143
3	50380	35
4	39190	27
5	28160	20
6	250	0
7	75	0
8	25	0
ROWS 9-60, COLUMNS 1-2 ARE ZERO		
61	201630	144
62	722810	516

** COMMON MEMORY USE STATISTICS (PERCENT OF BUS TIME)

I/O DATA TRANSFER TOTALS .00%
INTERNAL DATA TRANSFER TOTALS 2.20%
TOTAL COMMON MEMORY USAGE 2.20%

 ** WAIT STATISTICS OF MODULE STARTS AND OUTPUT STARTS **
 OUTPUT QUEUE EQUAL 60 + MODULE NR.

QUEUE	MAXIMUM CONTENTS	AVERAGE CONTENTS	TOTAL ENTRIES	ZERO ENTRIES	PERCENT ZEROS	AVERAGE TIME/TRANS	AVERAGE TIME/TRANS	TABLE NUMBER	CURRENT CONTENTS
1	1	.000	4480	4480	100.0	.000	.000		
2	1	.013	4480	3361	75.0	41.213	165.000		
3	1	.000	1120	1120	100.0	.000	.000		
4	1	.000	1120	1120	100.0	.000	.000		
5	1	.000	1120	1119	99.9	.424	475.000		
6	1	.000	2	2	100.0	.000	.000		
7	1	.000	2	2	100.0	.000	.000		
8	1	.000	1	1	100.0	.000	.000		
61	1	.000	4479	4479	100.0	.000	.000		
62	1	.000	1119	1119	100.0	.000	.000		
63	1	.000	1119	1119	100.0	.000	.000		
64	1	.000	1119	1119	100.0	.000	.000		
65	1	.000	1	1	100.0	.000	.000		
66	1	.000	1	1	100.0	.000	.000		
67	1	.000	1	1	100.0	.000	.000		

AVERAGE TIME/TRANS = AVERAGE TIME/TRANS EXCLUDING ZERO ENTRIES

** UTILIZATION STATISTICS OF NEXTMASTER AND BUS **

FACILITY	NUMBER ENTRIES	AVERAGE TIME/TRAN	-AVERAGE UTILIZATION DURING-	UNAVAIL. TIME	CURRENT STATUS	PERCENT AVAILABILITY	TRANSACTION NUMBER SEIZING	PREEMPTING
NXTMS	53782	11.149	TOTAL TIME	.042		100.0	27	
BUS	53781	13.440		.051		100.0	26	

FULLWORD MATRIX ISTOPR

ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
1	0	0	246345	4479	0	0	156800	4480	0	13438
2	0	0	207015	1119	0	0	173600	4480	11190	13432
3	0	0	83925	1119	0	0	61580	1120	61545	3358
4	0	0	78330	1119	0	0	61595	1120	61545	2239
5	0	0	485	1	0	0	28050	1120	0	1136
6	0	0	315	1	0	0	230	2	195	10
7	0	0	70	1	0	0	290	2	240	3
8	0	0	0	0	0	0	35	1	0	1
61	0	0	ROWS 9-60, COLUMNS 1-10 ARE ZERO	0	0	0	0	0	1295280	20165

ROW/COLUMN 11

6	24000	ROWS 1-5, COLUMNS 11-11 ARE ZERO
7	4000	
8	45000	ROWS 9-61, COLUMNS 11-11 ARE ZERO

***** TOTAL RUN TIME (INCLUDING ASSEMBLY) = 1.85 MINUTES *****

** UTILIZATION STATISTICS OF NEXTMASTER AND BUS **

FACILITY	NUMBER ENTRIES	AVERAGE TIME/TRAN	-AVERAGE UTILIZATION DURING-		CURRENT STATUS	PERCENT AVAILABILITY	TRANSACTION NUMBER SEIZING	PREEMPTING
			TOTAL TIME	UNAVAIL. TIME				
NXTMS	53782	11.149	.042			100.0	27	
BUS	53781	13.440	.051			100.0	26	

FULLWORD MATRIX ISTOP

ROW/COLUMN	1	2	3	4	5	6	7	8	9	1
1	0	0	246345	4479	0	0	156800	4480	0	1343
2	0	0	207015	1119	0	0	173600	4480	11190	1343
3	0	0	83925	1119	0	0	61580	1120	61545	335
4	0	0	78330	1119	0	0	61595	1120	61545	223
5	0	0	485	1	0	0	28050	1120	0	113
6	0	0	315	1	0	0	230	2	195	1
7	0	0	70	1	0	0	290	2	240	
8	0	0	0	0	0	0	35	1	0	
61	0	0	0	0	0	0	0	0	0	1295280
										2016

ROW/COLUMN 11

ROWS 1-5, COLUMNS 11-11 ARE ZERO
 6 24000
 7 4000
 8 45000
 ROWS 9-61, COLUMNS 11-11 ARE ZERO

***** TOTAL RUN TIME (INCLUDING ASSEMBLY) = 1.85 MINUTES *****

Appendix L-5e
RUN5

LISTING OF
SIGNAL PROCESSING SIMULATION RUN #5
(\$NLA1605)

**** CONFIGURATION PARAMETERS ****
 NOTE: REFER TO MODULE SETUP FOR MODULE IDENTIFICATION

MODULE NR	ACTIVE	PRIORITY	TYPE CONTROL	MEMORY TYPE	START/OUTPUT MODIFIER	EXECUTION MODIFIER	I/O DATA MODIFIER	INTERLOCK MODULE NR.	OUTPUT TO MODULE NR.	MAX Q LENGT
ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
1	0	126	1	0	0	0	0	0	2	2
2	0	125	1	0	0	0	0	0	3	4
3	0	124	1	0	0	0	0	0	5	2
4	0	123	1	0	0	0	0	0	5	2
5	0	122	1	0	0	0	0	0	6	5
6	0	121	1	0	0	0	0	0	7	2
7	0	120	2	0	0	0	0	6	2	2
8	0	119	2	0	0	0	0	7	0	2
9	0	0	0	0	0	0	0	0	0	2
10	0	0	0	0	0	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	2
12	0	0	0	0	0	0	0	0	0	2
13	0	126	1	0	0	0	0	0	0	2
14	0	125	1	0	0	0	0	0	0	2
15	0	124	1	0	0	0	0	0	0	2
16	0	123	1	0	0	0	0	0	0	2
17	0	122	1	0	0	0	0	0	0	2
18	0	120	1	0	0	0	0	0	0	2
19	0	119	1	0	0	0	0	0	0	2
20	0	124	1	0	0	0	0	0	0	2
21	0	122	1	0	0	0	0	0	0	2
22	0	0	0	0	0	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	2
24	1	126	1	0	0	0	0	0	25	2
25	1	125	1	0	0	0	0	0	24	4
26	1	124	1	0	0	0	0	0	28	2
27	1	123	1	0	0	0	0	0	28	2
28	1	122	1	0	0	0	0	0	29	5
29	1	121	1	0	0	0	0	0	0	2
30	0	0	0	0	0	0	0	0	0	2
31	0	0	0	0	0	0	0	0	0	2
32	0	0	0	0	0	0	0	0	0	2
33	0	0	0	0	0	0	0	0	0	2
34	0	0	0	0	0	0	0	0	0	2
35	0	0	0	0	0	0	0	0	0	2
36	0	0	0	0	0	0	0	0	0	2
37	0	126	1	0	0	0	0	0	0	2
38	0	125	1	0	0	0	0	0	0	2
39	0	124	1	0	0	0	0	0	0	2
40	0	123	1	0	0	0	0	0	0	2
41	0	122	1	0	0	0	0	0	0	2
42	0	121	1	0	0	0	0	0	0	2
43	0	120	1	0	0	0	0	0	0	2
44	0	124	1	0	0	0	0	0	0	2
45	0	121	1	0	0	0	0	0	0	2
46	0	0	0	0	0	0	0	0	0	2
47	0	0	0	0	0	0	0	0	0	2
48	0	0	0	0	0	0	0	0	0	2

* BYTE MATRIX BPARM

49	0	125	1	0	0	0	0	0	0	0	0	0	0	0	50	2
50	0	124	1	0	0	0	0	0	0	0	0	0	0	0	57	2
51	0	123	1	0	0	0	0	0	0	0	0	0	0	0	0	2
52	0	122	1	0	0	0	0	0	0	0	0	0	0	57	2	
53	0	121	1	0	0	0	0	0	0	0	0	0	0	0	0	2
54	0	123	1	0	0	0	0	0	0	0	0	0	0	0	0	2
55	0	122	1	0	0	0	0	0	0	0	0	0	0	0	0	2
56	0	126	1	0	0	0	0	0	0	0	0	0	0	49	2	
57	0	123	1	0	0	0	0	0	0	0	0	0	0	53	5	
58	0	121	1	1	0	0	0	0	0	0	0	0	0	0	0	2
59	0	120	2	1	0	0	0	0	0	0	0	0	0	58	2	
60	0	119	2	1	0	0	0	0	0	0	0	0	0	59	2	

MODULE NR. INPUT NR. WORDS READ TIME NR. WORDS OUTPUT WRITE TIME COMMON MEMORY STORAGE USE NR. READS NR. WRITES

HALFWORD MATRIX HPARM

ROW/COLUMN	1	2	3	4	5	6
1	0	5	2	5	0	1
2	0	5	8	5	0	1
3	0	5	2	5	0	1
4	0	5	1	5	0	1
5	0	5	16	5	0	1
6	0	20	0	0	0	1
7	0	0	1	20	0	1
8	0	0	2	20	0	1
ROWS 9-12, COLUMNS 1-6 ARE ZERO						
13	0	0	11	5	0	0
14	0	0	3	5	0	0
15	0	0	17	5	0	0
16	0	0	1	5	0	0
17	0	0	18	5	0	0
18	0	0	2	5	0	0
19	0	0	3	5	0	0
20	0	0	17	5	0	0
21	0	0	18	5	0	0
ROWS 22-23, COLUMNS 1-6 ARE ZERO						
24	0	5	2	5	0	1
25	1	5	8	5	0	1
26	0	5	2	5	0	1
27	0	5	65	5	0	1
28	0	5	1040	5	0	1
29	0	5	520	5	0	1
ROWS 30-36, COLUMNS 1-6 ARE ZERO						
37	0	6	12	5	0	0
38	0	0	3	5	0	0
39	0	0	33	5	0	0
40	0	0	1	5	0	0
41	0	0	34	5	0	0
42	0	0	1	5	0	0
43	0	0	1	5	0	0
44	0	0	17	5	0	0
45	0	0	18	5	0	0
ROWS 46-48, COLUMNS 1-6 ARE ZERO						
49	0	0	12	5	0	0
50	0	0	2	5	0	0
51	0	0	1041	5	0	0
52	0	0	65	5	0	0
53	0	0	521	5	0	0
54	0	0	17	5	0	0
55	0	0	1	5	0	0
56	0	0	3	5	0	0
57	0	20	1041	20	0	0
58	0	0	9	15	0	0
59	8	15	2	5	0	0
60	121	15	3	5	0	0

MODULE START OUTPUT EXECUTION START OUTPUT
 NR CYCLE TIME PERIOD PERIOD PERIOD OFFSET OFFSET

• FULLWORD MATRIX FPARM

ROW/COLUMN	1	2	3	4	5
1	3125	3125	0	0	0
2	3125	12500	0	0	0
3	12500	12500	0	0	0
4	12500	12500	0	0	0
5	12500	10000000	0	0	0
6	10000000	10000000	12000	0	0
7	10000000	10000000	2000	0	0
8	10000000	150000000	45000	0	0
ROWS 9-12, COLUMNS 1-5 ARE ZERO					
13	200000	200000	0	0	0
14	200000	200000	0	0	0
15	200000	10000000	0	0	0
16	12500	200000	0	0	0
17	10000000	10000000	0	0	0
18	150000000	150000000	0	0	0
19	150000000	150000000	0	0	0
20	200000	40000000	0	0	0
21	40000000	40000000	0	0	0
ROWS 22-23, COLUMNS 1-5 ARE ZERO					
24	3125	3125	0	0	0
25	3125	12500	0	0	0
26	12500	12500	0	0	0
27	12500	12500	0	0	0
28	12500	10000000	0	0	0
29	10000000	10000000	0	0	0
ROWS 30-36, COLUMNS 1-5 ARE ZERO					
37	25000	25000	0	0	0
38	25000	25000	0	0	0
39	25000	40000000	0	0	0
40	12500	25000	0	0	0
41	40000000	40000000	0	0	0
42	600000000	600000000	0	0	0
43	600000000	600000000	0	0	0
44	25000	10000000	0	0	0
45	10000000	10000000	0	0	0
ROWS 46-48, COLUMNS 1-5 ARE ZERO					
49	12500	12500	0	0	0
50	12500	12500	0	0	0
51	12500	10000000	0	0	0
52	12500	12500	0	0	0
53	10000000	10000000	0	0	0
54	12500	10000000	0	0	0
55	12500	12500	0	0	0
56	3125	3125	0	0	0
57	12500	10000000	0	0	0
58	10000000	10000000	0	0	0
59	10000000	150000000	2000	0	0
60	150000000	150000000	45000	0	0

**** PERFORMANCE CHARACTERISTICS ****

TOTAL ELAPSED TIME OF RUN = 14000000.

** INPUT/OUTPUT AVERAGE TIMES BY BLOCK TRANSMISSION **

MODULE NR	AVG TIME INPUT	AVG TIME OUTPUT	INTERNAL READ	INTERNAL WRITE	AVG TIME DIFFERENCE NEXTMSTR (INTR - (AVG I/O'S * MOTIM))
24	0	55	0	35	0
25	23	185	0	27	0
26	0	75	0	54	18
27	0	756	0	54	0
28	0	17695	0	35	0
29	0	10815	0	132	0

ROWS 1-23, COLUMNS 1-6 ARE ZERO

ROWS 30-61, COLUMNS 1-6 ARE ZERO

** INTERLOCK MODULES **

START MODULE	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	TOTAL I/O	TOTAL (ALL) MODULE TIMES
24	0	0	0	0	0	0	0	403145	0
25	0	0	0	0	0	0	0	436655	0
26	0	0	0	0	0	0	0	145520	0
27	0	0	0	0	0	0	0	907630	0
28	0	0	0	0	0	0	0	56990	0
29	0	0	0	0	0	0	0	11080	0

ROWS 1-23, COLUMNS 1-9 ARE ZERO

ROWS 30-60, COLUMNS 1-9 ARE ZERO

** CALL MODULES **

CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MOD I/O TOTALS	CALLING MOD I/O TOTALS	CALLER MOD I/O TOTALS	CALLER MOD I/O TOTALS
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FULLWORD MATRIX CALLS

ROW/COLUMN	1	2	3	4	5	6	7	8	9
24	0	0	0	0	0	0	207015	403145	0
25	0	0	0	0	0	0	246345	436655	0
26	0	0	0	0	0	0	0	145520	0
27	0	0	0	0	0	0	0	907630	0
28	27	26	0	0	0	0	929960	56990	0
29	0	0	0	0	0	0	17695	11080	0

ROWS 1-23, COLUMNS 1-9 ARE ZERO

ROWS 30-60, COLUMNS 1-9 ARE ZERO

** BUS TIME, ACCUMULATION BY MODULE **
 NOTE: LAST 2 MODULES = CONTROL MODULE = TOTALS

MODULE NR	TIME UTILIZED	PERCENT OF TOTAL (XXXX = XX.XX%)
-----------	---------------	----------------------------------

FULLWORD MATRIX TIME

ROW/COLUMN	1	2
24	201580	143
25	246320	175
26	50380	35
27	75350	539
28	38400	27
29	5250	3
61	201600	144
62	1498800	1070

ROWS 1-23, COLUMNS 1-2 ARE ZERO

ROWS 30-60, COLUMNS 1-2 ARE ZERO

** COMMON MEMORY USE STATISTICS (PERCENT OF BUS TIME)

I/O DATA TRANSFER TOTALS	.00%
INTERNAL DATA TRANSFER TOTALS	2.20%
TOTAL COMMON MEMORY USAGE	2.20%

** WAIT STATISTICS OF MODULE STARTS AND OUTPUT STARTS **
 OUTPUT QUEUE EQUAL 60 + MODULE NR.

QUEUE	MAXIMUM CONTENTS	AVERAGE CONTENTS	TOTAL ENTRIES	ZERO ENTRIES	PERCENT ZEROS	AVERAGE TIME/TRANS	\$AVERAGE TIME/TRANS	TABLE NUMBER	CURRENT CONTENTS
24	1	.000	4480	4480	100.0	.000	.000		
25	1	.013	4480	3361	75.0	41.213	165.000		
26	1	.000	1120	1120	100.0	.000	.000		
27	1	.000	1120	1120	100.0	.000	.000		
28	2	.001	1120	1118	99.8	20.437	11445.000		
29	1	.000	2	2	100.0	.000	.000		
84	1	.000	4479	4479	100.0	.000	.000		
85	1	.000	1119	1119	100.0	.000	.000		
86	1	.000	1119	1119	100.0	.000	.000		
87	1	.000	1119	1119	100.0	.000	.000		
88	1	.000	1	1	100.0	.000	.000		
89	1	.000	1	1	100.0	.000	.000		

\$AVERAGE TIME/TRANS = AVERAGE TIME/TRANS EXCLUDING ZERO ENTRIES

** UTILIZATION STATISTICS OF NEXTMASTER AND BUS **

FACILITY	NUMBER ENTRIES	AVERAGE TIME/TRAN	-AVERAGE TOTAL TIME	UTILIZATION DURING UNAVAIL. TIME	CURRENT STATUS	PERCENT AVAILABILITY	TRANSACTION NUMBER SEIZING	PREEMPTING
NXTMS	131407	5.212	.048			100.0	23	
BUS	131406	11.406	.107			100.0	14	

FULLWORD MATRIX ISTOPR

ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
24	0	0	0	0	0	0	0	0	0	13438
25	106400	4480	207015	1119	0	0	123240	4480	11190	17912
26	0	0	83925	1119	0	0	61595	1120	61545	3358
27	0	0	846035	1119	0	0	61595	1120	61545	73855
28	0	0	17695	1	0	0	39295	1120	785	2160
29	0	0	10815	1	0	0	265	2	595	522
61	0	0	0	0	0	0	0	0	1318820	20162

ROWS 1-23, COLUMNS 1-10 ARE ZERO

ROWS 1-61, COLUMNS 11-11 ARE ZERO

***** TOTAL RUN TIME (INCLUDING ASSEMBLY) = 2.55 MINUTES *****

LISTING OF
SIGNAL PROCESSING SIMULATION RUN #6

(\$NLA1606)

Appendix L-5f
RUN6

***** CONFIGURATION PARAMETERS *****
 NOTE: REFER TO MODULE SETUP FOR MODULE IDENTIFICATION

MODULE NR	ACTIVE	PRIORITY	TYPE CONTROL	MEMORY TYPE	START/OUTPUT MODIFIER	EXECUTION MODIFIER	I/O DATA MODIFIER	INTERLOCK MODULE NR.	OUTPUT TO MODULE NR.	MAX Q LENTG
ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
1	0	126	1	0	0	0	0	0	2	2
2	0	125	1	0	0	0	0	0	3	4
3	0	124	1	0	0	0	0	0	5	2
4	0	123	1	0	0	0	0	0	5	2
5	0	122	1	0	0	0	0	0	6	5
6	0	121	1	0	0	0	0	0	7	2
7	0	120	2	0	0	0	0	6	2	2
8	0	119	2	0	0	0	0	7	0	2
9	0	0	0	0	0	0	0	0	0	2
10	0	0	0	0	0	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	2
12	0	0	0	0	0	0	0	0	0	2
13	0	126	1	0	0	0	0	0	0	2
14	0	125	1	0	0	0	0	0	0	2
15	0	124	1	0	0	0	0	0	0	2
16	0	123	1	0	0	0	0	0	0	2
17	0	122	1	0	0	0	0	0	0	2
18	0	120	1	0	0	0	0	0	0	2
19	0	119	1	0	0	0	0	0	0	2
20	0	124	1	0	0	0	0	0	0	2
21	0	122	1	0	0	0	0	0	0	2
22	0	0	0	0	0	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	2
24	1	126	1	0	0	0	0	0	25	2
25	1	125	1	0	0	0	0	0	24	4
26	1	124	1	0	0	0	0	0	28	2
27	1	123	1	0	0	0	0	0	28	2
28	1	122	1	0	0	0	0	0	29	2
29	1	121	1	0	0	0	0	0	0	2
30	0	0	0	0	0	0	0	0	0	2
31	0	0	0	0	0	0	0	0	0	2
32	0	0	0	0	0	0	0	0	0	2
33	0	0	0	0	0	0	0	0	0	2
34	0	0	0	0	0	0	0	0	0	2
35	0	0	0	0	0	0	0	0	0	2
36	0	0	0	0	0	0	0	0	0	2
37	0	126	1	0	0	0	0	0	0	2
38	0	125	1	0	0	0	0	0	0	2
39	0	124	1	0	0	0	0	0	0	2
40	0	123	1	0	0	0	0	0	0	2
41	0	122	1	0	0	0	0	0	0	2
42	0	121	1	0	0	0	0	0	0	2
43	0	120	1	0	0	0	0	0	0	2
44	0	124	1	0	0	0	0	0	0	2
45	0	121	1	0	0	0	0	0	0	2
46	0	0	0	0	0	0	0	0	0	2
47	0	0	0	0	0	0	0	0	0	2
48	0	0	0	0	0	0	0	0	0	2

* BYTE MATRIX BPARAM

MODULE NR NR WORDS INPUT READ TIME NR WORDS OUTPUT WRITE TIME COMMON MEMORY STORAGE USE NR. READS NR. WRITES

* HALFWORD MATRIX HPARM

ROW/COLUMN	1	2	3	4	5	6
1	0	5	2	5	0	1
2	0	5	8	5	0	1
3	0	5	2	5	0	1
4	0	5	1	5	0	1
5	0	5	16	5	0	1
6	0	20	0	0	0	1
7	0	0	1	20	0	1
8	0	0	2	20	0	1
ROWS 9-12, COLUMNS 1-6 ARE ZERO						
13	0	0	11	5	0	0
14	0	0	3	5	0	0
15	0	0	17	5	0	0
16	0	0	1	5	0	0
17	0	0	18	5	0	0
18	0	0	2	5	0	0
19	0	0	3	5	0	0
20	0	0	17	5	0	0
21	0	0	18	5	0	0
ROWS 22-23, COLUMNS 1-6 ARE ZERO						
24	0	5	2	5	0	1
25	1	5	8	5	0	1
26	0	5	2	5	0	1
27	0	5	65	5	0	1
28	0	20	1040	20	0	1
29	0	5	520	5	0	1
ROWS 30-36, COLUMNS 1-6 ARE ZERO						
37	0	6	12	5	0	0
38	0	0	3	5	0	0
39	0	0	33	5	0	0
40	0	0	1	5	0	0
41	0	0	34	5	0	0
42	0	0	1	5	0	0
43	0	0	1	5	0	0
44	0	0	17	5	0	0
45	0	0	18	5	0	0
ROWS 46-48, COLUMNS 1-6 ARE ZERO						
49	0	0	12	5	0	0
50	0	0	2	5	0	0
51	0	0	1041	5	0	0
52	0	0	65	5	0	0
53	0	0	521	5	0	0
54	0	0	17	5	0	0
55	0	0	1	5	0	0
56	0	0	3	5	0	0
57	0	20	1041	20	0	0
58	0	0	9	15	0	0
59	8	15	2	5	0	0
60	121	15	3	5	0	0

MODULE START OUTPUT EXECUTION START OUTPUT
 NR CYCLE TIME PERIOD PERIOD OFFSET OFFSET

FULLWORD MATRIX FRAPM

ROW/COLUMN	1	2	3	4	5
1	3125	3125	0	0	0
2	3125	1250	0	0	0
3	1250	1250	0	0	0
4	1250	1250	0	0	0
5	1250	10000000	0	0	0
6	10000000	10000000	12000	0	0
7	10000000	10000000	2000	0	0
8	10000000	150000000	45000	0	0
ROWS 9-12, COLUMNS 1-5 ARE ZERO					
13	200000	200000	0	0	0
14	200000	200000	0	0	0
15	200000	10000000	0	0	0
16	1250	200000	0	0	0
17	10000000	10000000	0	0	0
18	150000000	150000000	0	0	0
19	150000000	150000000	0	0	0
20	200000	40000000	0	0	0
21	400000000	400000000	0	0	0
ROWS 22-23, COLUMNS 1-5 ARE ZERO					
24	3125	3125	0	0	0
25	3125	1250	0	0	0
26	1250	1250	0	0	0
27	1250	1250	0	0	0
28	1250	10000000	0	0	0
29	10000000	10000000	0	0	0
ROWS 30-36, COLUMNS 1-5 ARE ZERO					
37	25000	25000	0	0	0
38	25000	25000	0	0	0
39	25000	40000000	0	0	0
40	1250	25000	0	0	0
41	40000000	40000000	0	0	0
42	600000000	600000000	0	0	0
43	600000000	600000000	0	0	0
44	25000	10000000	0	0	0
45	100000000	100000000	0	0	0
ROWS 46-48, COLUMNS 1-5 ARE ZERO					
49	12500	12500	0	0	0
50	12500	12500	0	0	0
51	12500	10000000	0	0	0
52	12500	12500	0	0	0
53	100000000	100000000	0	0	0
54	12500	10000000	0	0	0
55	12500	12500	0	0	0
56	3125	3125	0	0	0
57	12500	10000000	0	0	0
58	100000000	100000000	0	0	0
59	100000000	150000000	2000	0	0
60	150000000	150000000	45000	0	0

**** PERFORMANCE CHARACTERISTICS ****

TOTAL ELAPSED TIME OF RUN = 14000000.

** INPUT/OUTPUT AVERAGE TIMES BY BLOCK TRANSMISSION **

MODULE NR	AVG TIME INPUT	AVG TIME OUTPUT	INTERNAL READ	INTERNAL WRITE	AVG TIME NEXTMSTR (INTR - (AVG I/O'S + MOTIM))
24	0	55	0	35	0
25	23	215	0	31	0
26	0	105	0	54	18
27	0	1734	0	54	0
28	0	34820	0	50	1
29	0	26035	0	147	15

ROWS 1-23, COLUMNS 1-6 ARE ZERO

ROWS 30-61, COLUMNS 1-6 ARE ZERO

** INTERLOCK MODULES **

START MODULE	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	INTERLOCK	TOTAL I/O	TOTAL (ALL) MODULE TIMES
24	0	0	0	0	0	0	0	0	403145	0
25	0	0	0	0	0	0	0	0	487195	0
26	0	0	0	0	0	0	0	0	179090	0
27	0	0	0	0	0	0	0	0	2002955	0
28	0	0	0	0	0	0	0	0	94920	0
29	0	0	0	0	0	0	0	0	26330	0

ROWS 1-23, COLUMNS 1-9 ARE ZERO

ROWS 30-60, COLUMNS 1-9 ARE ZERO

•• CALL MODULES ••

CALLER MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MODULE	CALLING MOD I/O TOTALS	CALLER MOD I/O TOTALS	CALLER MOD TIME TOTALS
---------------	----------------	----------------	----------------	----------------	----------------	------------------------	-----------------------	------------------------

• FULLWORD MATRIX CALLS

ROW/COLUMN	1	2	3	4	5	6	7	8	9
24	0	0	0	0	0	0	240585	403145	0
25	0	0	0	0	0	0	246345	487195	0
26	0	0	0	0	0	0	0	179090	0
27	0	0	0	0	0	0	0	2002955	0
28	26	0	0	0	0	0	2058855	94920	0
29	0	0	0	0	0	0	38820	26330	0

ROWS 1-23, COLUMNS 1-9 ARE ZERO
 ROWS 30-60, COLUMNS 1-9 ARE ZERO

•• BUS TIME, ACCUMULATION BY MODULE ••
 NOTE: LAST 2 MODULES = CONTROL MODULE = TOTALS

MODULE NR	TIME UTILIZED	PERCENT OF TOTAL
-----------	---------------	------------------

• FULLWORD MATRIX TIMT

ROW/COLUMN	1	2
24	201540	143
25	246320	175
26	83950	59
27	1846375	1314
28	54000	38
29	5250	3
61	201600	144
62	2639075	1885

ROWS 1-23, COLUMNS 1-2 ARE ZERO
 ROWS 30-60, COLUMNS 1-2 ARE ZERO

•• COMMON MEMORY USE STATISTICS (PERCENT OF BUS TIME)

I/O DATA TRANSFER TOTALS	.00%
INTERNAL DATA TRANSFER TOTALS	2.20%
TOTAL COMMON MEMORY USAGE	2.20%

** WAIT STATISTICS OF MODULE STARTS AND OUTPUT STARTS **
 OUTPUT QUEUE EQUAL 60 * MODULE NR.

QUEUE	MAXIMUM CONTENTS	AVERAGE CONTENTS	TOTAL ENTRIES	ZERO ENTRIES	PERCENT ZEROS	AVERAGE TIME/TRANS	SAVERAGE TIME/TRANS	TABLE NUMBER	CURRENT CONTENTS
24	1	.000	4480	4480	100.0	.000	.000		
25	1	.015	4480	3361	75.0	48.706	195.000		
26	1	.000	1120	1120	100.0	.000	.000		
27	1	.000	1120	1120	100.0	.000	.000		
28	4	.005	1120	1116	99.6	71.861	20121.250		
29	1	.000	2	2	100.0	.000	.000		
84	1	.000	4479	4479	100.0	.000	.000		
85	1	.000	1119	1119	100.0	.000	.000		
86	1	.000	1119	1119	100.0	.000	.000		
87	1	.000	1119	1119	100.0	.000	.000		
88	1	.000	1	1	100.0	.000	.000		
89	1	.000	1	1	100.0	.000	.000		

SAVERAGE TIME/TRANS = AVERAGE TIME/TRANS EXCLUDING ZERO ENTRIES

** UTILIZATION STATISTICS OF NEXTMASTER AND BUS **

FACILITY	NUMBER ENTRIES	AVERAGE TIME/TRANS	TOTAL TIME	UNAVAIL. TIME	UTILIZATION DURING- UNAVAIL. TIME	CURRENT STATUS	PERCENT AVAILABILITY	TRANSACTION NUMBER SEIZING	PREEMPTING
NXTMS	131407	5.975	.056				100.0	21	
BUS	131406	20.083	.188				100.0	6	

FULLWORD MATRIX ISTOP

ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
24	0	0	246345	4479	0	0	156800	4480	0	13438
25	106400	4480	240585	1119	0	0	140210	4480	11190	17912
26	0	0	117495	1119	0	0	61595	1120	61545	3358
27	0	0	1941360	1119	0	0	61595	1120	61795	73855
28	0	0	38820	1	0	0	56100	1120	2295	2160
29	0	0	26035	1	0	0	295	2	8030	522
61	0	0	0	0	0	0	0	0	1441195	20162

ROWS 1-23, COLUMNS 1-10 ARE ZERO

ROWS 30-60, COLUMNS 1-10 ARE ZERO

***** TOTAL RUN TIME (INCLUDING ASSEMBLY) = 2.55 MINUTES *****

LISTING OF
SWITCHING SYSTEM SIMULATION PEAK HOUR LOAD
(\$NLA1201)

Appendix L-6a
Peak Hour

\$ \$ \$ \$	NN	LL	AAAAA	11	2222222222	000000	11
\$ \$ \$ \$ \$ \$ \$ \$	NNN	LL	AAAAAAAAA	111	222222222222	00000000	111
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	NNNN	LL	AA	1111	22	00	1111
\$ \$ \$ \$ \$ \$	NN NN	LL	AA	11	22	00	11
\$ \$ \$ \$ \$ \$	NN NN	LL	AA	11	22	00	11
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	NN NN	LL	AA	11	22	00	11
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	NN NN	LL	AAAAAAAAA	111	22	00	111
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	NN NN	LL	AAAAAAAAA	111	22	00	111
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	NN NN	LL	AAAAAAAAA	111	22	00	111
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	NN NN	LL	AA	11	22	00	11
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	NN NN	LL	AA	11	22	00	11
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	NN NN	LL	AA	11	22	00	11
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	NN NN	LL	AAAAAAAAA	111	222222222222	00000000	111111
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	NN NN	LL	AAAAAAAAA	11111	222222222222	000000	111111

JJ	0000000000	BHHHHHHHH	3333333333	2222222222	6666666666	44
JJ	000000000000	BHHHHHHHHHH	333333333333	222222222222	666666666666	444
JJ	00	HH	33	22	66	4444
JJ	00	HH	33	22	66	4444
JJ	00	HH	33	22	66	4444
JJ	00	HH	33	22	66	4444
JJ	00	HH	333	22	6666666666	4444
JJ	00	HH	333	22	666666666666	4444
JJ	00	HH	33	22	66	4444444444
JJ	00	HH	33	22	66	4444444444
JJ	00	HH	33	22	66	4444444444
JJ	00	HH	3333333333	222222222222	666666666666	44
JJ	000000000000	BHHHHHHHHHH	3333333333	222222222222	666666666666	44
JJ	0000000000	BHHHHHHHHHH	3333333333	222222222222	666666666666	44

SSSSSSSSSS	YY	YY	SSSSSSSSSS	MM	SSSSSSSSSS	GGGGGGGGGG
SSSSSSSSSSSS	YY	YY	SSSSSSSSSSSS	MM	SSSSSSSSSSSS	GGGGGGGGGGGG
SS	SS	SS	SS	MM	SS	GG
SS	SS	SS	SS	MM	SS	GG
SS	SS	SS	SS	MM	SS	GG
SSSSSSSSSSSS	YY	YY	SSSSSSSSSSSS	MM	SSSSSSSSSSSS	GGGG
SSSSSSSSSSSS	YY	YY	SSSSSSSSSSSS	MM	SSSSSSSSSSSS	GGGG
SS	SS	SS	SS	MM	SS	GG
SS	SS	SS	SS	MM	SS	GG
SSSSSSSSSSSS	YY	YY	SSSSSSSSSSSS	MM	SSSSSSSSSSSS	GGGGGGGGGGGG
SSSSSSSSSSSS	YY	YY	SSSSSSSSSSSS	MM	SSSSSSSSSSSS	GGGGGGGGGGGG

**** CONFIGURATION PARAMETERS ****
 NOTE: REFER TO MODULE SETUP FOR MODULE IDENTIFICATION

MODULE NR	ACTIVE	PRIORITY	TYPE CONTROL	MEMORY TYPE	START/OUTPUT MODIFIER	EXECUTION MODIFIER	I/O DATA MODIFIER	INTERLOCK MODULE NR.	OUTPUT TO MODULE NR.	MAX Q LENGT
BYTE MATRIX HP4PM										
1	1	2	3	4	5	6	7	8	9	10
1	1	114	0	3	7	0	0	0	0	0
2	1	115	2	3	0	0	7	13	0	0
3	1	117	2	3	0	0	0	2	0	0
4	1	118	2	3	0	0	0	3	0	0
5	1	119	2	3	0	0	5	14	0	0
6	1	127	0	3	0	0	0	0	0	0
7	1	111	0	3	1	0	5	0	0	0
8	1	120	2	3	4	0	7	15	0	0
9	1	112	0	3	1	0	5	0	0	0
10	1	121	2	3	4	0	7	16	0	0
11	1	113	0	3	1	0	5	0	0	0
12	1	122	2	3	4	0	7	17	0	0
13	1	116	0	3	0	0	0	0	0	0
14	1	123	0	3	4	0	0	0	0	0
15	1	124	0	3	4	0	0	0	0	0
16	1	125	0	3	4	0	0	0	0	0
17	1	126	0	3	4	0	0	0	0	0
ROWS 14-17, COLUMNS 1-10 ARE ZERO										
20	0	114	0	3	7	0	0	0	0	0
21	0	115	2	3	0	0	7	31	0	0
22	0	117	2	3	0	0	0	2	0	0
23	0	118	2	3	0	0	0	3	0	0
24	0	119	2	3	0	0	5	32	0	0
25	0	111	0	3	1	0	5	0	0	0
26	0	120	2	3	4	0	7	33	0	0
27	0	112	0	3	1	0	5	0	0	0
28	0	121	2	3	4	0	7	34	0	0
29	0	113	0	3	1	0	5	0	0	0
30	0	122	2	3	4	0	7	35	0	0
31	0	116	0	3	0	0	0	0	0	0
32	0	123	0	3	2	0	0	0	0	0
33	0	124	0	3	4	0	0	0	0	0
34	0	125	0	3	4	0	0	0	0	0
35	0	126	0	3	4	0	0	0	0	0
ROWS 30-35, COLUMNS 1-10 ARE ZERO										

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MODULE START CYCLE TIME OUTPUT PERIOD EXECUTION PERIOD START OFFSET OUTPUT OFFSET

9 FULLWORD MATRIX FPAR4

ROW/COLUMN	1	2	3	4	5
1	3560000	3560000	11000	0	0
2	3200000	3200000	55000	0	0
3	3200000	3200000	33000	0	0
4	3200000	3200000	33000	0	0
5	57600000	57600000	11000	0	0
6	1000000	1000000	11000	0	0
7	0	1544000000	11000	10	11000
8	5740000	5740000	11000	0	0
9	0	792000000	11000	1000	11000
10	2890000	2890000	11000	0	0
11	0	742000000	11000	1250	5500
12	2590000	2590000	11000	0	0
13	1060000	3200000	1100	0	0
14	1000000	576000000	1100	0	0
15	1000000	5740000	1100	0	0
16	1000000	2890000	1100	0	0
17	100600	2890000	1100	0	0
18-19	ROWS 18-19, COLUMNS 1-5 ARE ZERO				
20	3420000	3420000	11000	0	0
21	2300000	2300000	55000	0	0
22	2300000	2300000	33000	0	0
23	2300000	2300000	33000	0	0
24	12800000	12800000	11000	0	0
25	35200000	35200000	11000	0	0
26	4860000	4860000	11000	0	0
27	17600000	17600000	11000	0	0
28	2440000	2440000	11000	0	0
29	17600000	17600000	11000	0	0
30	2440000	2440000	11000	0	0
31	1000000	2300000	1100	0	0
32	1000000	12800000	1100	0	0
33	1000000	4860000	1100	0	0
34	1000000	2440000	1100	0	0
35	1000000	2440000	1100	0	0

ROWS 30-35, COLUMNS 1-5 ARE ZERO

*** PERFORMANCE CHARACTERISTICS ***

TOTAL ELAPSED TIME OF RUN = 340000000.

** INPUT/OUTPUT AVERAGE TIMES BY BLOCK TRANSMISSION **

MODULE NO	AVG TIME INPUT	AVG TIME OUTPUT	INTERNAL READ	INTERNAL WRITE	AVG TIME NEXTWSTR (INTR - (AVG I/O'S + MUTIM))	TIME DIFFERENCE
1	0	10631	335	374	0	3537600
2	1541	0	0	285	99	3136174
3	0	0	470	114	0	3166412
4	0	590	0	117	0	3155193
5	40006	0	0	230	0	57546704
6	0	0	3753	1702	0	13545
7	0	31022	0	0	12	-42022
8	13033	0	0	237	0	5754430
9	0	24035	0	0	0	-15035
10	13001	0	0	240	0	2852373
11	0	36040	0	0	1	-47040
12	13143	0	0	253	0	2865004
13	0	0	2908	0	12	93902
14	0	0	244	0	2	46051
15	0	0	244	0	1	48051
16	0	0	250	0	2	98050
17	0	0	246	0	1	98054

ROWS 14-17, COLUMNS 1-6 ARE ZERO

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** CPU TIME ACCUMULATED BY MODULE **
 ** LAST 7 MODULES = CUMULATIVE TOTALS **

MODULE No. TIME UTILIZED PERCENT (XXXX = XX.XXX) OF TOTAL

• FULLWORD MATRIX TIME

ROW/COLUMN 1 2

1	933340	27
2	365470	10
3	60750	1
4	45330	2
5	173075	5
6	1329400	34
7	25750	0
8	79415	23
9	47150	1
10	147175	43
11	204495	6
12	153355	45
13	402900	137
14	752350	23
15	747240	23
16	776320	22
17	772600	22

62 ROWS 14-21, COLUMNS 1-2 ARE ZERO
 739

** MEMORY USE STATISTICS (PERCENT OF BUS TIME)

I/O DATA TRANSFER TOTALS 1.61%
 INTERNAL DATA TRANSFER TOTALS 6.27%
 TOTAL MEMORY USAGE 7.89%

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** WAIT STATISTICS OF MODULE STARTS AND OUTPUT STARTS **
 OUTPUT QUEUE EQUAL 50 * MODULE NR.

QUEUE	MAXIMUM CONTENTS	AVERAGE CONTENTS	TOTAL ENTRIES	ZERO ENTRIES	PERCENT ZEROS	AVERAGE TIME/TRANS	AVERAGE TIME/TRANS	TABLE NUMBER	CURRENT CONTENTS
1	1	.000	95	95	98.9	81.155	7791.000		.000
2	1	.000	106	106	100.0	.000	.000		.000
3	1	.000	106	106	100.0	.000	.000		.000
4	1	.000	106	106	100.0	.000	.000		.000
5	1	.000	5	5	100.0	.000	.000		.000
6	1	.000	3401	3401	100.0	.000	.000		.000
9	1	.000	61	61	100.0	.000	.000		.000
10	1	.000	119	119	100.0	.000	.000		.000
12	1	.000	124	124	100.0	.000	.000		.000
13	1	.000	3401	3401	100.0	.000	.000		.000
14	1	.000	3445	3445	100.0	.000	.000		.000
15	1	.000	3423	3423	100.0	.000	.000		.000
16	1	.000	3384	3384	100.0	.000	.000		.000
17	1	.000	3360	3360	100.0	.000	.000		.000
51	1	.000	42	42	100.0	.000	.000		.000
52	1	.000	106	106	100.0	.000	.000		.000
53	1	.000	106	106	100.0	.000	.000		.000
54	1	.000	106	106	100.0	.000	.000		.000
55	1	.000	5	5	100.0	.000	.000		.000
56	1	.000	3400	3400	100.0	.000	.000		.000
57	1	.000	1	1	100.0	.000	.000		.000
58	1	.000	61	61	100.0	.000	.000		.000
59	1	.000	2	2	100.0	.000	.000		.000
70	1	.000	119	119	100.0	.000	.000		.000
71	1	.000	6	6	100.0	.000	.000		.000
72	1	.000	124	124	100.0	.000	.000		.000
73	1	.000	106	106	100.0	.000	.000		.000
74	1	.000	5	5	100.0	.000	.000		.000
75	1	.000	61	61	100.0	.000	.000		.000
76	1	.000	119	119	100.0	.000	.000		.000
77	1	.000	124	124	100.0	.000	.000		.000

AVERAGE TIME/TRANS = AVERAGE TIME/TRANS EXCLUDING ZERO ENTRIES

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UTILIZATION STATISTICS OF NEXTMASTER AND BUS

FACILITY NUMBER AVERAGE UTILIZATION NUMBER PERCENT TRANSACTION NUMBER
 UTILIZATION TIME/TRAFFIC AVAILABLE TIME SEIZING PREEMPTING
 BUS 233356 114.999 .078 100.0 11

FULLWORD MATRIX LISTING

ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
1	0	0	978073	92	32236	96	35945	96	45185	116
2	905340	106	0	0	0	0	30245	106	315095	3178
3	0	0	0	0	49836	106	12535	106	15	530
4	0	0	73153	106	0	0	12451	106	40	742
5	200330	5	0	0	0	0	1150	5	1035	1505
6	0	0	0	0	1276730	3400	576720	3400	115	115601
7	0	0	31022	1	0	0	0	0	2732	224
8	843670	61	0	0	0	0	14490	61	2230	6519
9	0	0	44070	2	0	0	0	0	0	410
10	1592441	114	0	0	0	0	29325	114	2169	12885
11	0	0	216545	6	0	0	0	0	3220	1813
12	1629744	124	0	0	0	0	31395	124	1567	13599
13	0	0	0	0	9084885	3400	0	0	504100	40401
14	0	0	0	0	65454	3445	0	0	14674	6890
15	0	0	0	0	653303	3423	0	0	13003	6846
16	0	0	0	0	847430	3384	0	0	14571	6768
17	0	0	0	0	827236	3360	0	0	10468	6720

ROWS TOTAL: COLUMNS 1-10 ARE ZERO

ROW/COLUMN 11

1	1050000
2	5000000
3	4000000
4	3000000
5	2500000
6	37400000
7	0
8	671000
9	0
10	1304000
11	0
12	1364000
13	3740000
14	3749500
15	3745300
16	372400
17	3690000

ROWS 1-11: COLUMNS 11-11 ARE ZERO

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LISTING OF
SWITCHING SYSTEM SIMULATION PEAK SECOND LOAD
(\$NLA1202)

**** CONFIGURATION PARAMETERS ****
 NOTE: REFER TO MODULE SETUP FOR MODULE IDENTIFICATION

MODULE NR	ACTIVE	PRIORITY	TYPE CONTROL	MEMORY TYPE	START/OUTPUT MODIFIER	EXECUTION MODIFIER	I/O DATA MODIFIER	INTERLOCK MODULE NR.	OUTPUT TO MODULE NR.	MAX Q LENTG
6										
20	1	114	0	3	0	0	0	0	0	0
21	1	115	2	3	0	0	0	0	0	0
22	1	117	2	3	0	0	0	0	0	0
23	1	118	2	3	0	0	0	0	0	0
24	1	119	2	3	0	0	0	0	0	0
25	1	111	0	3	1	0	0	0	0	0
26	1	120	2	3	4	0	0	0	0	0
27	1	112	0	3	1	0	0	0	0	0
28	1	121	2	3	4	0	0	0	0	0
29	1	113	0	3	1	0	0	0	0	0
30	1	122	2	3	4	0	0	0	0	0
31	1	116	0	3	0	0	0	0	0	0
32	1	123	0	3	4	0	0	0	0	0
33	1	124	0	3	4	0	0	0	0	0
34	1	125	0	3	4	0	0	0	0	0
35	1	126	0	3	4	0	0	0	0	0

MODULE NR	NR WORDS INPUT	READ TIME	NR WORDS OUTPUT	WRITE TIME	COMMON MEMORY STORAGE USE NR. READS	NR. WRITES
6						
20	0	110	0	110	20	14
21	30	110	0	110	2	3
22	0	110	0	110	4	2
23	0	110	6	110	0	1
24	320	110	0	110	0	2
25	0	110	320	110	2	2
26	215	110	0	110	0	2
27	0	110	320	110	2	3
28	215	110	0	110	0	2
29	0	110	320	110	2	3

HALFWORD MATRIX HPARM

30	110	110	0	110	0	2
31	0	110	0	110	12	0
32	0	110	0	110	2	0
33	0	110	0	110	2	0
34	0	110	0	110	2	0
35	0	110	0	110	2	0

ROWS 36-60, COLUMNS 1-6 ARE ZERO

MODULE NR	START CYCLE TIME	OUTPUT PERIOD	EXECUTION PERIOD	START OFFSET	OUTPUT OFFSET
-----------	------------------	---------------	------------------	--------------	---------------

* FULLWORD MATRIX FPARM

ROW/COLUMN	1	2	3	4	5
6	100000	100000	11000	0	0
20	3180000	3180000	11000	0	0
21	1480000	1480000	55000	0	0
22	1480000	1480000	33000	0	0
23	1480000	1480000	33000	0	0
24	5000000	5000000	11000	0	0
25	13780000	13780000	11000	0	0
26	2820000	2820000	11000	0	0
27	6880000	6880000	11000	0	0
28	1400000	1400000	11000	0	0
29	6880000	6880000	11000	0	0
30	1400000	1400000	11000	0	0
31	1000000	1480000	1100	0	0
32	1000000	5000000	1100	0	0
33	1000000	2820000	1100	0	0
34	1000000	1400000	1100	0	0
35	1000000	1400000	1100	0	0

ROWS 1-5, COLUMNS 1-5 ARE ZERO
 ROWS 7-19, COLUMNS 1-5 ARE ZERO
 ROWS 36-60, COLUMNS 1-5 ARE ZERO

**** PERFORMANCE CHARACTERISTICS ****

TOTAL ELAPSED TIME OF RUN = 200000000.

** INPUT/OUTPUT AVERAGE TIMES BY BLOCK TRANSMISSION **

MODULE NR	AVG TIME INPUT	AVG TIME OUTPUT	INTERNAL READ	INTERNAL WRITE	AVG TIME NEXTMSTR	TIME DIFFERENCE
ROW/COLUMN	1	2	3	4	5	6
6	0	0	3791	1777	0	83432
ROWS 1-5, COLUMNS 1-6 ARE ZERO						
20	0	15076	354	373	12	3153197
21	4476	0	0	258	19	1420266
22	0	0	511	129	0	1446360
23	0	787	0	122	3	1446091
24	34791	0	0	254	1	4953955
25	0	49057	3841	258	13	13715844
26	27407	0	0	260	1	2781333
27	0	40443	512	389	6	6827656
28	28873	0	0	272	1	1359855
29	0	47212	520	498	7	6820770
30	26667	0	0	257	0	1362076
31	0	0	3250	0	41	95650
32	0	0	257	0	2	98643
33	0	0	257	0	1	98643
34	0	0	259	0	2	98641
35	0	0	256	0	1	98644
ROWS 36-61, COLUMNS 1-6 ARE ZERO						

** INTERLOCK MODULES **
 START INTERLOCK INTERLOCK INTERLOCK INTERLOCK INTERLOCK INTERLOCK INTERLOCK INTERLOCK TOTAL TOTAL (ALL) I/O MODULE TIMES

• FULLWORD MATRIX LOCKS

ROW/COLUMN	1	2	3	4	5	6	7	8	9
6	0	0	0	0	0	0	0	11137649	22000000
	ROWS 1-5, COLUMNS 1-9 ARE ZERO								
20	0	0	0	0	0	0	0	939075	748000
21	0	23	0	0	0	0	0	848495	16335000
22	0	0	0	0	0	0	0	209311	8910000
23	0	0	0	0	0	0	0	122786	4455000
24	0	0	0	0	0	0	0	1471935	462000
25	0	0	0	0	0	0	0	948640	176000
26	0	0	0	0	0	0	0	1964472	781000
27	0	0	0	0	0	0	0	1167564	429000
28	0	0	0	0	0	0	0	3876345	1463000
29	0	0	0	0	0	0	0	1025070	363000
30	0	0	0	0	0	0	0	3715647	1518000
31	21	22	23	0	0	0	0	7348654	18535000
32	24	0	0	0	0	0	0	1976544	2621300
33	26	0	0	0	0	0	0	2495239	3049200
34	28	0	0	0	0	0	0	4393643	3653100
35	30	0	0	0	0	0	0	4236923	3752100
	ROWS 36-60, COLUMNS 1-9 ARE ZERO								

• CALL MODULES **

CALLED CALLING CALLING CALLING CALLING CALLING CALLING CALLING CALLING CALLING CALLING CALLING CALLING CALLING CALLING CALLING
 MODULE MODULE MODULE MODULE MODULE MODULE MODULE MODULE MODULE MODULE MODULE MODULE MODULE MODULE MODULE MODULE
 I/O TOTALS I/O TOTALS I/O TOTALS I/O TOTALS I/O TOTALS I/O TOTALS I/O TOTALS I/O TOTALS I/O TOTALS I/O TOTALS I/O TOTALS I/O TOTALS I/O TOTALS I/O TOTALS

• FULLWORD MATRIX CALLS

ROW/COLUMN	1	2	3	4	5	6	7	8	9
6	0	0	0	0	0	0	0	11137649	22000000
	ROWS 1-5, COLUMNS 1-9 ARE ZERO								
20	0	0	0	0	0	0	0	939075	748000
21	0	0	0	0	0	0	0	639184	7425000
22	0	0	0	0	0	0	0	86525	4455000
23	0	0	0	0	0	0	0	122786	4455000
24	0	0	0	0	0	0	0	1471935	462000
25	0	0	0	0	0	0	0	948640	176000
26	0	0	0	0	0	0	0	1964472	781000
27	0	0	0	0	0	0	0	1167564	429000
28	0	0	0	0	0	0	0	3876345	1463000
29	0	0	0	0	0	0	0	1025070	363000
30	0	0	0	0	0	0	0	3715647	1518000
31	0	0	0	0	0	0	0	6500159	2200000
32	0	0	0	0	0	0	0	504609	2159300
33	0	0	0	0	0	0	0	530767	2268200
34	0	0	0	0	0	0	0	517298	2190100
35	0	0	0	0	0	0	0	521276	2234100
	ROWS 36-60, COLUMNS 1-9 ARE ZERO								

** BUS TIME, ACCUMULATION BY MODULE **
 NOTE: LAST 2 MODULES = CONTROL MODULE
 = TOTALS

MODULE NR TIME UTILIZED PERCENT (XXXX = XX.XX%)
 OF TOTAL

* FULLWORD MATRIX TIMT

ROW/COLUMN 1 2

6 7820000 ROWS 1-5, COLUMNS 1-2 ARE ZERO
 390

20 771880 ROWS 7-19, COLUMNS 1-2 ARE ZERO
 38

21 463565 23

22 77625 3

23 108675 5

24 130110 65

25 752905 37

26 1729140 86

27 975660 48

28 3318555 165

29 818600 40

30 3311195 165

31 2760000 137

32 451490 22

33 474260 23

34 457930 22

35 467130 23

62 2605920 ROWS 36-61, COLUMNS 1-2 ARE ZERO
 1302

** COMMON MEMORY USE STATISTICS (PERCENT OF BUS TIME)

I/O DATA TRANSFER TOTALS 6.66%
 INTERNAL DATA TRANSFER TOTALS 6.36%
 TOTAL COMMON MEMORY USAGE 13.03%

** WAIT STATISTICS OF MODULE STARTS AND OUTPUT STARTS **
 OUTPUT QUEUE EQUAL 60 + MODULE NR.

QUEUE	MAXIMUM CONTENTS	AVERAGE CONTENTS	TOTAL ENTRIES	ZERO ENTRIES	PERCENT ZEROS	AVERAGE TIME/TRANS	SAVERAGE TIME/TRANS	TABLE NUMBER	CURRENT CONTENTS
6	1	.000	2001	2001	100.0	.000	.000		
20	1	.000	68	68	100.0	.000	.000		
21	1	.000	135	135	100.0	.000	.000		
22	1	.000	135	135	100.0	.000	.000		
23	1	.000	135	135	100.0	.000	.000		
24	1	.000	42	42	100.0	.000	.000		
25	1	.000	16	16	100.0	.000	.000		
26	1	.000	71	71	100.0	.000	.000		
27	1	.000	39	39	100.0	.000	.000		
28	1	.000	133	133	100.0	.000	.000		
29	1	.000	33	33	100.0	.000	.000		
30	1	.000	138	138	100.0	.000	.000		
31	1	.000	2001	2001	100.0	.000	.000		
32	1	.000	1963	1963	100.0	.000	.000		
33	1	.000	2062	2062	100.0	.000	.000		
34	1	.000	1991	1991	100.0	.000	.000		
35	1	.000	2031	2031	100.0	.000	.000		
66	1	.000	2000	2000	100.0	.000	.000		
80	1	.000	59	59	100.0	.000	.000		
81	1	.000	135	135	100.0	.000	.000		
82	1	.000	135	135	100.0	.000	.000		
83	1	.000	135	135	100.0	.000	.000		
84	1	.000	42	42	100.0	.000	.000		
85	1	.000	18	17	94.4	1092.111	19658.000		
86	1	.000	71	71	100.0	.000	.000		
87	1	.000	28	28	100.0	.000	.000		
88	1	.000	133	133	100.0	.000	.000		
89	1	.000	21	21	100.0	.000	.000		
90	1	.000	138	138	100.0	.000	.000		
91	1	.000	135	135	100.0	.000	.000		
92	1	.000	42	42	100.0	.000	.000		
93	1	.000	71	71	100.0	.000	.000		
94	1	.000	133	133	100.0	.000	.000		
95	1	.000	138	138	100.0	.000	.000		

SAVERAGE TIME/TRANS = AVERAGE TIME/TRANS EXCLUDING ZERO ENTRIES

** UTILIZATION STATISTICS OF NEXTMASTER AND BUS **

FACILITY	NUMBER ENTRIES	-AVERAGE UTILIZATION DURING-			CURRENT STATUS	PERCENT AVAILABILITY	TRANSACTION NUMBER	
		AVERAGE TIME/TRAN	TOTAL AVAIL. TIME	UNAVAIL. TIME			SEIZING	PREEMPTING
NXTMS	226610	35.923	.040		100.0		29	
BUS	226609	114.999	.130		100.0		31	

FULLWORD MATRIX ISTOPR

ROW/COLUMN	1	2	3	4	5	6	7	8	9	10
6	0	0	0	0	7582194	2000	3555455	2000	528	68001
	ROWS 1-5, COLUMNS 1-10 ARE ZERO									
	ROWS 7-19, COLUMNS 1-10 ARE ZERO									
20	0	0	889528	59	24132	68	25415	68	87102	6712
21	604339	135	0	0	0	0	34845	135	78265	4031
22	0	0	0	0	69045	135	17480	135	110	675
23	0	0	106267	135	0	0	16519	135	3140	945
24	1461240	42	0	0	0	0	10695	42	12252	11314
25	0	0	883040	18	61460	16	4140	16	88213	6547
26	1945957	71	0	0	0	0	18515	71	26652	15036
27	0	0	1132407	28	19977	39	15180	39	54997	8484
28	3840120	133	0	0	0	0	36225	133	30128	28857
29	0	0	991454	21	17171	33	16445	33	56912	7120
30	3680112	138	0	0	0	0	35535	138	7829	28793
31	0	0	0	0	6500159	2000	0	0	990739	24001
32	0	0	0	0	504609	1963	0	0	8175	3926
33	0	0	0	0	530767	2062	0	0	7961	4124
34	0	0	0	0	517298	1991	0	0	8129	3982
35	0	0	0	0	521276	2031	0	0	7320	4062
	ROWS 36-61, COLUMNS 1-10 ARE ZERO									

ROW/COLUMN 11

6	22000000	ROWS 1-5, COLUMNS 11-11 ARE ZERO								
	ROWS 7-19, COLUMNS 11-11 ARE ZERO									
20	748000									
21	7425000									
22	4455000									
23	4455000									
24	462000									
25	176000									
26	781000									
27	429000									
28	1463000									
29	363000									
30	1518000									
31	2200000									
32	2159300									
33	2268200									
34	2190100									
35	2234100									
	ROWS 36-61, COLUMNS 11-11 ARE ZERO									

**** TOTAL RUN TIME (INCLUDING ASSEMBLY) = 2.89 MINUTES ****