CLEAR STORAGE 1 , CLEAR STORAGE 2 L BOOTSTRAP ,			L5,022026,030037,044,049,053053N00000N00001026 L6,105106,110117B101/I9I#071029C029056B026/B001/0991, L5,022029,036040,047054,061068,072/061039	001/001	117I0? 011040			1 2 3
			FORTRAN COMPILER REPLACE PHASE ONE PHASE 51				PAGE	1
SEQ PG LIN	LABEL	OP	OPERANDS	SFX CT	LOCN	INSTRUCTION	TYPE	CARI
101		JOB	FORTRAN COMPILER REPLACE PHASE ONE PHASE 51					
102		CTL	6611					
103	*							
104			E INSTRUCTIONS WHICH REFERENCE STATEMENT NUMBERS					
			TED TO THE OBJECT-TIME ADDRESSES OF THE					
106		EMENT.	SUBSCRIPT STRINGS ARE CLEANED UP.					
107	*							
108	X1	EQU			0089			
109	X2	EQU			0094			
110	х3	EQU	99		0099			
111	*							
112		F IN T	HE RESIDENT AREA					
113	*							
114	PHASID	EQU	110 PHASE ID, FOR SNAPSHOT DUMPS		0110			
115	SUBSCR	EQU	116 WM CLEARED IF SUBSCRIPT CODE NEEDED 148 BOTTOM OF SEQUENCE NUMBER TABLE - 2		0116			
116	SEQTAB	EQU	148 BOTTOM OF SEQUENCE NUMBER TABLE - 2		0148			
117	BOTFMT		154 BOTTOM OF FORMAT STRINGS OR NUMBER TABLE - 1		0154			
118	NEGARY		163 16000 - ARYSIZ		0163			
119			333 CORE DUMP SNAPSHOT		0333			
120	LOADNX		700 LOAD NEXT OVERLAY		0700			
121			707 CS AT START OF OVERLAY LOADER		0707			
122			793 EXIT FROM OVERLAY LOADER		0793			
123	CLRBOT	EQU	833 BOTTOM OF CORE TO CLEAR IN OVERLAY LOADER		0833			
124 125	* DITATE	TME DO	INTENDO					
	* RUNT	IME RO	11 TIME?					
126 127	* D T TTD	EOU	700 ARITHMETIC INTERPRETER		0700			
128	*	ьQU	/UU ARIIMMEIIC INIERPREIER		0700			
129		ORG	838			0838		
	BEGINN		X3,SX3	7	0838	M 099 S49		4
131 845			SEOTAB, *&7			M 148 858		2
132 852			KGREAT, 0			M S50 000		4
133 859			BOTFMT, X2			M 154 094		4
134 866		MCW	KGREAT,1600			M S50 W00		4
	GETSUB		FIND, 0&X2,\$ WITHIN TEN OF TOP OF SUBSCRIPT? V3M4			B S71 0!0 \$		5
136 881		CHAIN		-			MACRO	
137		BCE		1	0881	В	GEN	5
138		BCE		1	0882	В	GEN	5
139		BCE			0883		GEN	5
140		BCE		1	0884	В	GEN	5
141		BCE		1	0885	В	GEN	5
142		BCE		1	0886	В	GEN	5
143		BCE		1	0887	В	GEN	6
144		BCE		1	0888	В	GEN	6
145		BCE			0889	В	GEN	6
146 890	BOTEX	BCE	BOTTOM, 0&X2, > GREATER SIGN BELOW CODE?	8	0890	B  15 0!0 >		6
147 898		CHAIN					MACRO	

				FORTRAN COMPIL	ER REPLACE PHASE ONE P	HASE 51				PAGE	2
SEQ	PG LIN	LABEL	OP	OPERANDS			SFX CT	LOCN	INSTRUCTION	TYPE	CARD
148			BCE				1	0898	В	GEN	6
149			BCE				1	0899	В	GEN	6
150			BCE				1	0900	В	GEN	6
151			BCE				1	0901	В	GEN	7
152			BCE				1	0902	В	GEN	7
153			BCE				1	0903	В	GEN	7
154			BCE				1	0904	В	GEN	7
155			BCE				1	0905	В	GEN	7
156			BCE				1	0906	В	GEN	7
157	907		SBR	X2			4	0907	н 094		7
158	911	anman o	В	GETSUB	MOD OF GURGARIDAD		4	0911	В 873		8
159	915 923	GETSB2	SBR	SUBTOP,0&X2,\$	TOP OF SUBSCRIPT?		8	0915 0923	В 931 0!0 \$ Н 094		8
160 161	923 927		B	X2 GETSB2			4 4	0923	н 094 В 915		8 8
162	931	SUBTOP		0&X2			4	0927	D 0!0		8
163	935	SUBTUP	SAR	X2			4	0935	Q 094		8
164	939		BCE		WITHIN 16 OF BOTTOM OF SUBS	CRIPT?	8	0939	B 966 0!0 \$		8
165	947		CHAIN		William It of Bollon of Bobb	0111111	· ·	0,000	2 300 0.0 4	MACRO	Ü
166			BCE				1	0947	В	GEN	9
167			BCE				1	0948	В	GEN	9
168			BCE				1	0949	В	GEN	9
169			BCE				1	0950	В	GEN	9
170			BCE				1	0951	В	GEN	9
171			BCE				1	0952	В	GEN	9
172			BCE				1	0953	В	GEN	9
173			BCE				1	0954	В	GEN	10
174			BCE				1	0955	B	GEN	10
175			BCE				1	0956	В	GEN	10
176 177			BCE BCE				1 1	0957 0958	B B	GEN GEN	10 10
178			BCE				1	0959	В	GEN	10
179			BCE				1	0960	В	GEN	10
180			BCE				1	0961	В	GEN	11
181	962		В	GETSUB			4	0962	в 873		11
182	966	SUBBOT	CW	SUBSCR			4	0966	) 116		11
183	970	DEC3	MN	0&X2			4	0970	D 0!0		11
184	974		MN				1	0974	D		11
185	975		MN				1	0975	D		11
186	976		SAR	X2			4	0976	Q 094		11
187	980		SW	1&X2			4	0980	, 0!1		12
188	984		BCE	DEC1,0&X2,\$			8	0984	В   03 0!0 \$		12
189	992		MZ	*-4,2&X2			7	0992	Y 994 0!2		12
190 191	999	DEG1	В	DEC3			4	0999 1003	В 970		12 12
191	1 003 1 007	DEC1	MN SAR	0&X2 X2			4 4	1003	D 0!0 Q 094		12
193	1 007		B	GETSUB			4	1011	B 873		12
194	1 011	BOTTOM		APASS2,BOTEX&3			7	1011	M S53 893		13
195	1 022	_011011	MCW	X3,X2			7	1022	м 099 094		13
196	1 029		В	GETSUB			4	1029	в 873		13
197	1 033	PASS2X		DONE, 0&X3,			8		B S10 0?0		13

_				FORTRAN COMPILER REPLACE PHASE ONE PHASE	51				PAGE	3
SEQ	PG LIN	LABEL	OP	OPERANDS	S	FX CT	LOCN	INSTRUCTION	TYPE (	CARD
199 200 201 202 203 204	1 041 1 048 1 052 1 056 1 060 1 068 1 076 1 077 1 078 1 086	TESTWM	MCW C SBR SBR BCE BW BWZ BWZ BMZ	X3,LINK&6 0&X3 X2 X3 TARITF,1&X3,  TOP OF ARITHMETIC ASSIGNMENT PASS2X,4&X2  NOLINK,3&X2 4&X2,A277X3		7 4 4 4 8 8 1 1 8	1041 1048 1052 1056 1060 1068 1076 1077 1078 1086	M 099 /37 C 0?0 H 094 H 099 B /74 0?1   V  33 0!4 1 V V /42 0!3 K C 0!4 S56		13 13 14 14 14 14 14 14 14 15
	1 093		BE BWZ	4&X2,A2//X3 PASS2X ADDLNK,3&X2,B		, 5 8	1086 1093 1098	B   33 S V /17 0!3 B		15 15 15
210 211	1 106 1 113	BUMPX2	SBR B	X2,3&X2 TESTWM		7	1106 1113	H 094 0!3 В  68		15 15
212 213 214	1 117 1 124 1 131	ADDLNK LINK	MCW MZ SBR	4&X2,X1 WHY NOT JUST MA 4&X2,LINK&6 ??? *-6,*&6 X1 TAG 4&X2,0		7 7 7	1117 1124 1131	M 0!4 089 Y /24 /36 H 0!4 000		15 16 16
215 216 217	1 138 1 142 1 149	NOLINK	B MCW MA	BUMPX2 4&X2,X1 NEGARY,X1		4 7 7	1138 1142 1149	B /06 M 0!4 089 # 163 089		16 16 16
218 219	1 156 1 163 1 170		MCW MCW	0&X1,X1 X1,4&X2		7 7	1156 1163	M 0   0 089 M 089 0!4		16 17 17
221 222	1 174 1 182	TARITF	В	BUMPX2 *&5,2&X3 NEED TO LOOK FOR BRANCH TO ARITF? PASS2X		4 8 4	1170 1174 1182	B /06 V /86 0?2 1 B  33		17 17
	1 186 1 190 1 194	FARITF	C SBR C	0&X3 FIND THE BRANCH TO ARITF X3 4&X3,BARITF&3 BRANCH TO ARITHMETIC INTERPRETEF	R?	4 4 7	1186 1190 1194	С 0?0 Н 099 С 0?4 S60		17 17 17
227	1 201 1 206 1 210	DONE	BE B MCW	PASS2X YES FARITF NO, LOOK AGAIN SX3,X3		5 4 7	1201 1206 1210	B  33 S B /86 M S49 099		18 18 18
229 230 231	1 217 1 222 1 229 1 236		BSS SBR SBR LCA	SNAPSH, C LOADXX&3,934 CLEARL&3,GMWM LOAD52,PHASID		5 7 7 7	1217 1222 1229 1236	B 333 C H 796 934 H 710 S96 L S70 110		18 18 18 19
	1 243 1 249 1 250	SX3 KGREAT	B DCW DCW	LOADNX #3 @>@ GREATER THAN SIGN		4 3 1	1243 1249 1250	в 700		19 19 19
236 237 238 239	1 253 1 256 1 257 1 270	APASS2 A277X3 BARITF LOAD52	DSA B	PASS2X 277&X3 ARITF @LOAD 52B&C@		3 3 4 10	1253 1256 1257 1270	33 2G7 B 700		19 19 19 20
240 241	1 270 1 271 1 279 1 287	FIND	BCE BCE SBR	BOTEX,0&X2,> GREATER SIGN BELOW CODE? SUBTOP,0&X2,\$ TOP OF SUBSCRIPT?	V3M4 V3M4 V3M4	8 8 4	1271 1279 1287	B 890 0!0 > B 931 0!0 \$ H 094		20 20 20 20
243 244 245 246	1 291 1 296	GMWM	BIN DCW EX END	FIND, @}@ BEGINN	V3M4	5 1	1291 1296	B 838 / 000 080	GMARK	20 20 21

phase-51.51.asc	T	ue Jul	15	5 00:1	0:50	20	08			4
	FORTRAN	COMPILER		REPLACE	PHASE	ONE		PHASE	51	

SYMBOL	ADDRESS												
A277X3	1256	ADDLNK	1117	APASS2	1253	ARITF	700	BARITF	1257	BEGINN	838	BOTEX	890
BOTFMT	154	BOTTOM	1015	BUMPX2	1106	CLEARL	707	CLRBOT	833	DEC1	1003	DEC3	970
DONE	1210	FARITF	1186	FIND	1271	GETSB2	915	GETSUB	873	GMWM	1296	KGREAT	1250
LINK	1131	LOAD52	1270	LOADNX	700	LOADXX	793	NEGARY	163	NOLINK	1142	PASS2X	1033
PHASID	110	SEQTAB	148	SNAPSH	333	SUBBOT	966	SUBSCR	116	SUBTOP	931	SX3	1249
TARITE	1174	TESTWM	1068	x1	8.9	X2	9.4	x3	99				

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