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CLEAR STORAGE 1 ,008015,022026,030037,044,049,053053N000000N00001026 1
CLEAR STORAGE 2 L068116,105106,110117B101/I9I#071029C029056B026/B001/0991,001/001117I0? 2
BOOTSTRAP ,008015,022029,036040,047054,061068,072/061039 ,0010011040 3
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FORTRAN COMPILER -- SQUEEZE PHASE -- PHASE 08 PAGE 1

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
101			JOB		FORTRAN COMPILER -- SQUEEZE PHASE -- PHASE 08						
102			*								
103			*	REMOVE STATEMENT KEYWORDS							
104			*	NOTE UNRECOGNIZABLE STATEMENTS AND REMOVE THEM							
105			*	81-83 = START (TOP ADDRESS) OF FIRST (TOP IN MEMORY)							
106			*	STATEMENT. REMEMBER, STATEMENTS ARE SORTED BY TYPE NOW,							
107			*	AND PUSHED TO THE BOTTOM OF AVAILABLE CORE.							
108			*								
109			X1	EQU	89			0089			
110			X2	EQU	94			0094			
111			X3	EQU	99			0099			
112			*								
113			*	STUFF IN THE RESIDENT AREA							
114			*								
115			PHASID	EQU	110			0110			
116			SNAPSH	EQU	333			0333			
117			LOADNX	EQU	700			0700			
118			CLEARL	EQU	707			0707			
119			LOADXX	EQU	793			0793			
120			*								
121				CTL	6611						
122				ORG	838			0838			
123			LOADDD	EQU	*&1			0838			
124	838		BEGINN	MCW	83,X2	7	0838	M 083 094			4
125	845			MCW	83,X1	7	0845	M 083 089			4
126	852		NEXT	MCW	0&X1,SEQ	7	0852	M 010 U94			4
127	859			MCW	0&X1,PREFIX	7	0859	M 010 U98			4
128	866			BCE	ARITH,PREFIX-3,R	8	0866	B /56 U95 R			4
129	874			BCE	ENDSTM,PREFIX-3,/	8	0874	B /82 U95 /			5
130	882		SWITCH	BCE	SAME,PREFIX-3,X	8	0882	B 991 U95 X			5
131			*		LATER CURRENT ONE						
132			*								
133			*	COMPUTE ADDRESS OF KEYWORD IF NOT THE SAME STATEMENT							
134			*	TYPE AS THE PREVIOUS ONE							
135			*								
136	890			MZ	PREFIX-3,SWITCH&7	7	0890	Y U95 889			5
137	897			MN	PREFIX-3,SWITCH&7	7	0897	D U95 889			5
138	904			MN	PREFIX-3,W1	7	0904	D U95 U99			5
139	911			ZA	W1,W3	7	0911	? U99 V02			6
140	918			A	W3	4	0918	A V02			6
141	922			A	W1,W3	7	0922	A U99 V02			6
142	929			MZ	NOZONE,W3	7	0929	Y V03 V02			6
143	936			LCA	TABADR,GETTAB&3	7	0936	L V06 979			6
144	943			A	W3,GETTAB&3	7	0943	A V02 979			6
145	950			MZ	PREFIX-3,GETTAB&2	7	0950	Y U95 978			7
146	957			CW	GETTAB&1	4	0957) 977			7
147	961			MCV	X2,SAVE	7	0961	M 094 V14			7

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
148		968		MCW	AND X1		1	0968	M		7
149		969		MCM	INDEXS,X1-2 X1,X2,X3 = 27, 54, 81		7	0969	P U78 087		7
150		976	GETTAB	MCW	0,X3 GET ADDRESS OF KEYWORD FROM TABLE		7	0976	M 000 099		7
151		983		MCW	SAVE,X2 RETRIEVE X2		7	0983	M V14 094		8
152		990		MCW	AND X1		1	0990	M		8
153		991	SAME	LCA	0&X1,0&X2 MOVE STATEMENT UP		7	0991	L 0 0 0!0		8
154		998		SAR	X1 ADDRESS OF NEXT LOWER SOURCE		4	0998	Q 089		8
155	1	002		C	0&X2 GET B-STAR BELOW NEXTG WORD MARK		4	1002	C 0!0		8
156	1	006		SAR	X2 ADDRESS OF NEXT LOWER TARGET		4	1006	Q 094		8
157	1	010		C	0&X1,0&X3 CORRECT KEYWORD?		7	1010	C 0 0 0?0		8
158	1	017		SAR	X1 GET X1 BELOW KEYWORD		4	1017	Q 089		9
159	1	021		BU	WRONG		5	1021	B 92 /		9
160	1	026	MVMORE	LCA	0&X1,0&X2 MOVE PART OF STMT BELOW KEYWORD UP		7	1026	L 0 0 0!0		9
161	1	033		SAR	X1 GET BELOW BOTTOM OF SOURCE STATEMENT		4	1033	Q 089		9
162	1	037		C	0&X2 GET BELOW BOTTOM		4	1037	C 0!0		9
163	1	041		SAR	X2 OF TARGET STATEMENT		4	1041	Q 094		9
164	1	045	IFDONE	BCE	DONE,0&X1, DONE?		8	1045	B 57 0 0		9
165	1	053		B	NEXT		4	1053	B 852		10
166				*							
167				*	LOAD NEXT OVERLAY						
168				*							
169	1	057	DONE	CS	0&X2		4	1057	/ 0!0		10
170	1	061		CS			1	1061	/		10
171	1	062		BSS	SNAPSH,C		5	1062	B 333 C		10
172	1	067		SBR	LOADXX&3,839 SET ENTRY ADDRESS FOR NEXT PHASE		7	1067	H 796 839		10
173	1	074		SBR	CLEARL&3,GMWM TOP OF CLEARED AREA		7	1074	H 710 V67		10
174	1	081		LCA	DIMEN1,PHASID NAME OF NEXT PHASE		7	1081	L V20 110		10
175	1	088		B	LOADNX		4	1088	B 700		11
176				*							
177				*	KEYWORD DOESN'T MATCH STATEMENT CODE						
178				*							
179	1	092	WRONG	CS	332		4	1092	/ 332		11
180	1	096		CS			1	1096	/		11
181	1	097		SW	184 WHAT DOES THIS DO?		4	1097	, 184		11
182	1	101		MN	SEQ,249		7	1101	D U94 249		11
183	1	108		MN			1	1108	D		11
184	1	109		MN			1	1109	D		11
185	1	110		MCW	ERROR1		4	1110	M V66		12
186	1	114		W			1	1114	2		12
187	1	115		BCV	PAGOVL		5	1115	B /24 @		12
188	1	120		B	NOOVL		4	1120	B /26		12
189	1	124	PAGOVL	CC	1		2	1124	F 1		12
190	1	126	NOOVL	MCM	2&X2 GET ABOVE STATEMENT'S TOP		4	1126	P 0!2		12
191	1	130		MN	AND THEN		1	1130	D		12
192	1	131		MN	DOWN TWO		1	1131	D		13
193	1	132		SAR	X2		4	1132	Q 094		13
194	1	136		BCE	NOOVL,1&X2, MORE TO MOVE IF RM		8	1136	B /26 0!1		13
195	1	144		C	0&X1 GET BELOW KEYWORD		4	1144	C 0 0		13
196	1	148		SAR	X1		4	1148	Q 089		13
197	1	152		B	IFDONE GO TEST IF DONE		4	1152	B 45		13

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
198			*								
199			* ARITHMETIC STATEMENT								
200			*								
201	1	156	ARITH	LCA	0&X1,0&X2	MOVE PREFIX UP	7	1156	L 0 0 0!0		13
202	1	163		SAR	X1	AND MOVE	4	1163	Q 089		14
203	1	167		LCA	0&X2,0&X2	INDEX REGISTERS DOWN	7	1167	L 0!0 0!0		14
204	1	174		SBR	X2	TO STATEMENT	4	1174	H 094		14
205	1	178		B	MVMORE		4	1178	B 26		14
206			*								
207			* END STATEMENT								
208			*								
209	1	182	ENDSTM	C	0&X1	GET BELOW	4	1182	C 0 0		14
210	1	186		C		STATEMENT	1	1186	C		14
211	1	187		SAR	X1		4	1187	Q 089		14
212	1	191		B	IFDONE		4	1191	B 45		15
213			*								
214			* TABLE OF ADDRESSES OF STATEMENT KEYWORDS								
215			*								
216	1	197	TABLE	DSA	RDTAPE	1 READ TAPE	3	1197	U03		15
217	1	200		DSA	0		3	1200	000		15
218	1	203		DSA	WRTAPE	2 WRITE TAPE	3	1203	U12		15
219	1	206		DSA	0		3	1206	000		15
220	1	209		DSA	RDINTP	5 READ INPUT TAPE	3	1209	T70		15
221	1	212		DSA	WROTPP	6 WRITE OUTPUT TAPE	3	1212	T95		15
222	1	215		DSA	0		3	1215	000		16
223	1	218		DSA	0		3	1218	000		16
224	1	221		DSA	NOZONE	9	3	1221	V03		16
225	1	224		DSA	0		3	1224	000		16
226	1	227		DSA	STOP	S STOP	3	1227	T36		16
227	1	230		DSA	CGOTO	T COMPUTED GOTO	3	1230	T11		16
228	1	233		DSA	PUNCH	U PUNCH	3	1233	T75		16
229	1	236		DSA	0		3	1236	000		17
230	1	239		DSA	IFSW	W IF (SENSE SWITCH ...	3	1239	T27		17
231	1	242		DSA	0		3	1242	000		17
232	1	245		DSA	0		3	1245	000		17
233	1	248		DSA	REWIND	Z REWIND	3	1248	U25		17
234	1	251		DSA	SLITE	J SENSE LIGHT	3	1251	U77		17
235	1	254		DSA	IFSL	K IF (SENSE LIGHT ...)	3	1254	U67		17
236	1	257		DSA	READ	L READ	3	1257	T57		18
237	1	260		DSA	0		3	1260	000		18
238	1	263		DSA	ENDFIL	N ENDFILE	3	1263	U19		18
239	1	266		DSA	0		3	1266	000		18
240	1	269		DSA	PRINT	P PRINT	3	1269	T80		18
241	1	272		DSA	EQUIV	Q	3	1272	U54		18
242	1	275		DSA	0	ARITHMETIC	3	1275	000		18
243	1	278		DSA	PAUSE	A PAUSE	3	1278	T32		19
244	1	281		DSA	BACKSP	B BACKSPACE	3	1281	U34		19
245	1	284		DSA	CONT	C CONTINUE	3	1284	T46		19
246	1	287		DSA	DO	D DO	3	1287	T38		19
247	1	290		DSA	IF	E IF	3	1290	T13		19

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
248	1	293		DSA	FORMAT F FORMAT	3		1293	T53		19
249	1	296		DSA	GOTO G GOTO	3		1296	T06		19
250	1	299		DSA	0	3		1299	000		20
251	1	302		DSA	DIM I DIMENSION	3		1302	U43		20
252				*							
253				*	STATEMENT KEYWORDS SPELLED BACKWARD						
254				*							
255	1	306		GOTO	DCW @OTOG@ GO TO	4		1306			20
256	1	311		CGOTO	DCW @%OTOG@ GO TO (5		1311			20
257	1	313		IF	DCW @FI@ IF	2		1313			20
258	1	327		IFSW	DCW @HCTIWSESNES%FI@ IF (SENSE SWITCH	14		1327			20
259	1	332		PAUSE	DCW @ESUAP@ PAUSE	5		1332			20
260	1	336		STOP	DCW @POTS@ STOP	4		1336			21
261	1	338		DO	DCW @OD@ DO	2		1338			21
262	1	346		CONT	DCW @EUNITNOC@ CONTINUE	8		1346			21
263	1	353		FORMAT	DCW @%TAMROF@ FORMAT (7		1353			21
264	1	357		READ	DCW @DAER@ READ	4		1357			21
265	1	370		RDINTP	DCW @EPATTUPNIDAER@ READ INPUT TAPE	13		1370			21
266	1	375		PUNCH	DCW @HCNUP@ PUNCH	5		1375			22
267	1	380		PRINT	DCW @TNIRP@ PRINT	5		1380			22
268	1	395		WROTP	DCW @EPATTUPTUOETIRW@ WRITE OUTPUT TAPE	15		1395			22
269	1	403		RDTAPE	DCW @EPATDAER@ READ TAPE	8		1403			22
270	1	412		WRTAPE	DCW @EPATETIRW@ WRITE TAPE	9		1412			23
271	1	419		ENDFIL	DCW @ELIFDNE@ END FILE	7		1419			23
272	1	425		REWIND	DCW @DNIWER@ REWIND	6		1425			23
273	1	434		BACKSP	DCW @ECAPSKCAB@ BACKSPACE	9		1434			23
274	1	443		DIM	DCW @NOISNEMID@ DIMENSION	9		1443			24
275	1	454		EQUIV	DCW @ECNELAVIUQE@ EQUIVALENCE	11		1454			24
276	1	467		IFSL	DCW @THGILESNE%FI@ IF (SENSE LIGHT	13		1467			24
277	1	477		SLITE	DCW @THGILESNE@ SENSE LIGHT	10		1477			25
278				*							
279				*	OTHER DATA						
280				*							
281				INDEXS	EQU *%1			1478			
282	1	491		DCW	@Q270005400081 @	14		1491			25
283	1	494		SEQ	DCW #3 SEQUENCE NUMBER FROM STATEMENT	3		1494			25
284	1	498		PREFIX	DCW #4	4		1498			25
285	1	499		W1	DCW #1 USED TO COMPUTE 3 * NUMERIC PART OF CODE	1		1499			25
286	1	502		W3	DCW #3	3		1502			25
287	1	503		NOZONE	DCW #1	1		1503			25
288	1	506		TABADR	DSA TABLE-3	3		1506	/94		26
289	1	514		SAVE	DCW #8	8		1514			26
290	1	520		DIMEN1	DCW @DIMEN1@	6		1520			26
291	1	566		ERROR1	DCW @ERROR 1 - UNDETERMINABLE STATEMENT, STATEMENT @	46		1566			28
292	1	567		GMWM	DCW @}@	1		1567		GMARK	28
293				ORG	201				0201		
294		203		DSA	LOADDD LOAD ADDRESS FOR CARD-TO-TAPE PROGRAM	3		0203	838		29
295				EX	BEGINN				B 838		30
296				END					/ 000 080		

