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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 -- I/O PHASE TWO -- PHASE 39 PAGE 1

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
101				JOB	FORTRAN COMPILER -- I/O PHASE TWO -- PHASE 39						
102				CTL	6611						
103				*							
104				*	IN-LINE INSTRUCTIONS ARE GENERATED FOR EXECUTING END FILE,						
105				*	REWIND AND BACKSPACE STATEMENTS.						
106				*							
107			X1	EQU	89			0089			
108			X2	EQU	94			0094			
109			X3	EQU	99			0099			
110				*							
111				*	STUFF IN THE RESIDENT AREA						
112				*							
113			PHASID	EQU	110 PHASE ID, FOR SNAPSHOT DUMPS			0110			
114			GLOBER	EQU	184 GLOBAL ERROR FLAG -- WM MEANS ERROR			0184			
115			SNAPSH	EQU	333 CORE DUMP SNAPSHOT			0333			
116			LOADNX	EQU	700 LOAD NEXT OVERLAY			0700			
117			CLEARL	EQU	707 CS AT START OF OVERLAY LOADER			0707			
118			CDOVLY	EQU	769 1 IF RUNNING FROM CARDS, N IF FROM TAPE			0769			
119				*							
120				ORG	838				0838		
121			LOADDD	EQU	*&1 LOAD ADDRESS			0838			
122	838		LOOP	BCE	DONE,0&X1,	8	0838	B 870 0 0			4
123	846			MCW	0&X1,CODSEQ	7	0846	M 0 0 S30			4
124	853			MCW	CODSEQ-3,*&8	7	0853	M S27 867			4
125	860			BCE	IOSTMT,0 INTERESTING STATEMENT?	8	0860	B 893 S33 0			4
126	868			B		1	0868	B			4
127	869			B		1	0869	B			4
128	870		DONE	BSS	SNAPSH,C	5	0870	B 333 C			4
129	875			SBR	CLEARL&3,GMWM	7	0875	H 710 T24			5
130	882			LCA	CGOTO,PHASID	7	0882	L S38 110			5
131	889			B	LOADNX	4	0889	B 700			5
132				*							
133				*	STATEMENT IS BACKSPACE, ENDFILE OR REWIND						
134				*							
135	893		IOSTMT	MCW	KB,IOINST ASSUME BACKSPACE	7	0893	M S39 S26			5
136	900			MCW	KLESS,2&X1	7	0900	M S40 0 2			5
137	907			SBR	TSTLES&6,2&X1	7	0907	H /23 0 2			5
138	914			BCE	MOVEUP,CODSEQ-3,B BACKSPACE?	8	0914	B 944 S27 B			6
139	922			MCW	KR,IOINST ASSUME REWIND	7	0922	M S41 S26			6
140	929			BCE	MOVEUP,CODSEQ-3,Z REWIND?	8	0929	B 944 S27 Z			6
141	937			MCW	KM,IOINST MUST BE ENDFILE	7	0937	M S42 S26			6
142	944		MOVEUP	LCA	0&X1,0&X3	7	0944	L 0 0 0?0			6
143	951			SAR	X1	4	0951	Q 089			7
144	955			C	0&X3	4	0955	C 0?0			7
145	959			SAR	X3	4	0959	Q 099			7
146	963			LCA	1&X1,2&X3	7	0963	L 0 1 0?2			7
147	970			SBR	X3	4	0970	H 099			7

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
148		974		BWZ	*5,CODSEQ,2	8		0974	V 986 S30 2		7
149		982		B	*9	4		0982	B 994		7
150		986		BWZ	*15,CODSEQ-2,2	8		0986	V 108 S28 2		8
151		994		MCW	CODSEQ,X2	7		0994	M S30 094		8
152	1	001		MCW	0&X2,CODSEQ	7		1001	M 0!0 S30		8
153	1	008		BCE	SYNTAX,0&X1,}	8		1008	B /59 0!0 }	GMARK	8
154	1	016		MN	0&X1	4		1016	D 0!0		8
155	1	020		SAR	X2	4		1020	Q 094		8
156	1	024		BCE	UNITK,0&X2,}	8		1024	B S04 0!0 }	GMARK	9
157	1	032	UVAR	MCW	K0,IOINST-1	7		1032	M S43 S25		9
158	1	039		MCW	0&X1,MVUNIT&3	7		1039	M 0!0 S18		9
159	1	046		MCW	MN,MVUNIT	7		1046	M S44 S15		9
160	1	053		MZ	*-4,MVUNIT&2	7		1053	Y 155 S17		9
161	1	060		CW	FLAG	4		1060	) S45		10
162	1	064	GOTU	C	0&X1	4		1064	C 0!0		10
163	1	068		SAR	X1	4		1068	Q 089		10
164	1	072		LCA	IOINST,0&X3	7		1072	L S26 0?0		10
165	1	079		SBR	X3	4		1079	H 099		10
166	1	083		BW	CONST,FLAG	8		1083	V /06 S45 1		10
167	1	091		SW	FLAG	4		1091	, S45		10
168	1	095		LCA	MVUNIT&6,0&X3	7		1095	L S21 0?0		11
169	1	102		SBR	X3	4		1102	H 099		11
170	1	106	CONST	LCA	1&X1,0&X3	7		1106	L 0!1 0?0		11
171	1	113		SBR	X3	4		1113	H 099		11
172	1	117	TSTLES	BCE	LOOP,0,<	8		1117	B 838 000 <		11
173	1	125		CS	332	4		1125	/ 332		11
174	1	129		CS		1		1129	/		11
175	1	130		CC	1	2		1130	F 1		12
176	1	132		MCW	ERROR2,270	7		1132	M S81 270		12
177	1	139		W		1		1139	2		12
178	1	140		CC	1	2		1140	F 1		12
179	1	142		BCE	HALT,CDOVLY,1	8		1142	B /55 769 1		12
180	1	150		RWD	1	5		1150	U %U1 R		12
181	1	155	HALT	H	HALT	4		1155	. /55		12
182	1	159	SYNTAX	CS	332	4		1159	/ 332		13
183	1	163		CS		1		1163	/		13
184	1	164		SW	GLOBER	4		1164	, 184		13
185	1	168		MN	CODSEQ,245	7		1168	D S30 245		13
186	1	175		MN		1		1175	D		13
187	1	176		MN		1		1176	D		13
188	1	177		MCW	ERR33	4		1177	M T23		13
189	1	181		W		1		1181	2		14
190	1	182		BCV	*5	5		1182	B /91 @		14
191	1	187		B	*3	4		1187	B /93		14
192	1	191		CC	1	2		1191	F 1		14
193	1	193		MCW	K0,IOINST-1	7		1193	M S43 S25		14
194	1	200		B	UVAR	4		1200	B  32		14
195				*							
196				*	UNIT NUMBER IS A CONSTANT						
197				*							

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
198	1	204	UNITK	MN	0&X1,IOINST-1	7		1204	D 0 0 S25		14
199	1	211		B	GOTU	4		1211	B  64		15
200			*								
201			* DATA								
202			*								
203	1	215	MVUNIT	MCW	5777&X1,4&X3	7		1215	M XXX 0?4		15
204	1	226	IOINST	DCW	@U%UOX@	5		1226			15
205	1	230	CODSEQ	DCW	#4 STATEMENT CODE AND SEQUENCE NUMBER	4		1230			15
206	1	233	CODES	DCW	@BZN@ BACKSPACE, REWIND, ENDFILE STATEMENT CODES	3		1233			15
207	1	238	CGOTO	DCW	@CGOTO@	5		1238			15
208	1	239	KB	DCW	@B@	1		1239			15
209	1	240	KLESS	DCW	@<@ CORE IS NOT FULL YET SENTINEL	1		1240			16
210	1	241	KR	DCW	@R@	1		1241			16
211	1	242	KM	DCW	@M@	1		1242			16
212	1	243	KO	DCW	@O@	1		1243			16
213	1	244	MN	MN		1		1244	D		16
214	1	245	FLAG	DCW	#1 NO WM MEANS UNIT IS VARIABLE, WM MEANS CONST	1		1245			16
215	1	281	ERROR2	DCW	@MESSAGE 2 - OBJECT PROGRAM TOO LARGE@	36		1281			17
216	1	323	ERR33	DCW	@ERROR 33 - NO TAPE UNIT NUMBER, STATEMENT @	42		1323			19
217	1	324	GMWM	DCW	@j@	1		1324		GMARK	19
218			ORG		201				0201		
219		203	DSA	LOADDD	LOAD ADDRESS FOR CARD-TO-TAPE PROGRAM	3		0203	838		20
220			EX	LOOP					B 838		21
221			END						/ 000 080		

