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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 -- IF COND PHASE -- PHASE 44 PAGE 1

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
101				JOB	FORTRAN COMPILER -- IF COND PHASE -- PHASE 44						
102				CTL	6611						
103				*							
104				*	IN-LINE INSTRUCTIONS ARE GENERATED FOR IF (SENSE SWITCH I)						
105				*	AND IF (SENSE LIGHT I)						
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		BEGINN	BCE	DONE,0&X1,	8	0838	B 870 0 0			4
123	846			MCW	0&X1,SEQNO	7	0846	M 0 0 U45			4
124	853			MCW	CODE	1	0853	M			4
125	854			BCE	IFCOND,CODE,W IF (SENSE SWITCH I)	8	0854	B 893 U42 W			4
126	862			BCE	IFCOND,CODE,K IF (SENSE LIGHT I)	8	0862	B 893 U42 K			4
127	870	DONE		BSS	SNAPSH,C	5	0870	B 333 C			4
128	875			SBR	CLEARL&3,GMWM	7	0875	H 710 W14			5
129	882			LCA	CONT,PHASID	7	0882	L U69 110			5
130	889			B	LOADNX	4	0889	B 700			5
131	893			IFCOND	MCW KLESS,2&X1	7	0893	M U70 0 2			5
132	900			SBR	TSTLES&6,2&X1	7	0900	H S03 0 2			5
133	907			LCA	0&X1,0&X3 SEQNO, CODE, GMWM	7	0907	L 0 0 0?0			5
134	914			SAR	X1	4	0914	Q 089			6
135	918			C	0&X3	4	0918	C 0?0			6
136	922			SAR	X3	4	0922	Q 099			6
137	926			LCA	1&X3,2&X3 REPLACE STATEMENT CODE WITH GMWM	7	0926	L 0?1 0?2			6
138	933			SBR	X3	4	0933	H 099			6
139	937			MCW	0&X1,ON	7	0937	M 0 0 U36			6
140	944			MCW		1	0944	M			6
141	945			SAR	X1	4	0945	Q 089			7
142	949			MZ	X2ZONE,ON-1	7	0949	Y U71 U35			7
143	956			MZ	X2ZONE,OFF-1	7	0956	Y U71 U32			7
144	963			BWZ	*&5,SEQNO,2	8	0963	V 975 U45 2			7
145	971			B	*&9	4	0971	B 983			7
146	975			BWZ	*&15,SEQNO-2,2	8	0975	V 997 U43 2			7
147	983			MCW	SEQNO,X2	7	0983	M U45 094			8

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
148		990		MCW	0&X2,SEQNO	7		0990	M 0!0 U45		8
149		997		B	MORE	4		0997	B 20		8
150				*							
151	1	001	BOTTOM	C	0&X1	4		1001	C 0 0		8
152	1	005		SAR	X1	4		1005	Q 089		8
153	1	009		SBR	X3,4&X3	7		1009	H 099 0?4		8
154	1	016		B	BEGINN	4		1016	B 838		8
155				*							
156	1	020	MORE	MN	0&X1	4		1020	D 0 0		9
157	1	024		SAR	X1	4		1024	Q 089		9
158	1	028		BCE	SLITE,CODE,K	8		1028	B S54 U42 K		9
159				*							
160				*	IF (SENSE SWITCH I) ON, OFF						
161				*							
162	1	036		MCW	0&X1,CH	7		1036	M 0 0 U72		9
163	1	043		MCW	CH,*&8	7		1043	M U72 57		9
164	1	050		BCE	OKSW,K0T06,0	8		1050	B /02 U79 0		9
165	1	058		B		1		1058	B		9
166	1	059		B		1		1059	B		10
167	1	060		B		1		1060	B		10
168	1	061		B		1		1061	B		10
169	1	062		B		1		1062	B		10
170	1	063		B		1		1063	B		10
171	1	064		CS	332	4		1064	/ 332		10
172	1	068		CS		1		1068	/		10
173	1	069		SW	GLOBER	4		1069	, 184		11
174	1	073		MN	SEQNO,246	7		1073	D U45 246		11
175	1	080		MN		1		1080	D		11
176	1	081		MN		1		1081	D		11
177	1	082		MCW	ERR37	4		1082	M V22		11
178	1	086		W		1		1086	2		11
179	1	087		BCV	*&5	5		1087	B 96 @		11
180	1	092		B	*&3	4		1092	B 98		12
181	1	096		CC	1	2		1096	F 1		12
182	1	098		B	BOTTOM	4		1098	B 01		12
183				*							
184				*	SENSE SWITCH NUMBER IS OK						
185				*							
186	1	102	OKSW	A	KP1,CH	7		1102	A V23 U72		12
187	1	109		MN	CH,BIN	7		1109	D U72 U41		12
188	1	116		MCW	ON,BIN-1	7		1116	M U36 U40		12
189	1	123		MCW	OFF,X2	7		1123	M U33 094		12
190	1	130		MCW	0&X2,X2	7		1130	M 0!0 094		13
191	1	137		S	KP10,X2&1	7		1137	S V25 095		13
192	1	144		C	SEQNO,X2	7		1144	C U45 094		13
193	1	151		BE	SAME	5		1151	B S39 S		13
194	1	156		MCW	OFF,BRANCH	7		1156	M U33 U49		13
195	1	163		LCA	BRANCH,0&X3	7		1163	L U49 0?0		14
196	1	170		LCA	BIN	4		1170	L U41		14
197	1	174		SBR	X3	4		1174	H 099		14

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
198	1	178	ALMOST	C	0&X1	4		1178	C 0 0		14
199	1	182		SAR	X1	4		1182	Q 089		14
200	1	186		LCA	1&X1,0&X3	7		1186	L 0 1 0?0		14
201	1	193		SBR	X3	4		1193	H 099		14
202	1	197	TSTLES	BCE	BEGINN,0,< NOT TOO BIG IF LESS-THAN NOT CLOBBERED	8		1197	B 838 000 <		15
203	1	205		CS	332	4		1205	/ 332		15
204	1	209		CS		1		1209	/		15
205	1	210		CC	1	2		1210	F 1		15
206	1	212		MCW	ERROR2,270	7		1212	M V61 270		15
207	1	219		W		1		1219	2		15
208	1	220		CC	1	2		1220	F 1		15
209	1	222		BCE	HALT,CDOVLY,1	8		1222	B S35 769 1		16
210	1	230		RWD	1	5		1230	U %01 R		16
211	1	235	HALT	H	HALT	4		1235	. S35		16
212			*								
213	1	239	SAME	LCA	BIN,0&X3	7		1239	L U41 0?0		16
214	1	246		SBR	X3	4		1246	H 099		16
215	1	250		B	ALMOST	4		1250	B /78		16
216			*								
217	1	254	SLITE	MCW	0&X1,CH	7		1254	M 0 0 U72		16
218	1	261		MCW	CH,1275	7		1261	M U72 S75		17
219	1	268		BCE	OKLITE,K1234,0	8		1268	B T17 V65 0		17
220	1	276		B		1		1276	B		17
221	1	277		B		1		1277	B		17
222	1	278		B		1		1278	B		17
223	1	279		CS	332	4		1279	/ 332		17
224	1	283		CS		1		1283	/		17
225	1	284		SW	GLOBER	4		1284	, 184		18
226	1	288		MN	SEQNO,245	7		1288	D U45 245		18
227	1	295		MN		1		1295	D		18
228	1	296		MN		1		1296	D		18
229	1	297		MCW	ERR36	4		1297	M W07		18
230	1	301		W		1		1301	2		18
231	1	302		BCV	*&5	5		1302	B T11 @		18
232	1	307		B	*&3	4		1307	B T13		19
233	1	311		CC	1	2		1311	F 1		19
234	1	313		B	BOTTOM	4		1313	B 01		19
235			*								
236	1	317	OKLITE	MCW	K080,W3	7		1317	M W10 W13		19
237	1	324		A	CH,W3	7		1324	A U72 W13		19
238	1	331		MCW	W3,BW-1	7		1331	M W13 U56		19
239	1	338		MCW	OFF	4		1338	M U33		19
240	1	342		MCW	W3,SW	7		1342	M W13 U61		20
241	1	349		MCW	ON,X2	7		1349	M U36 094		20
242	1	356		MCW	0&X2,X2	7		1356	M 0 0 094		20
243	1	363		S	KP10,X2&1	7		1363	S V25 095		20
244	1	370		C	SEQNO,X2	7		1370	C U45 094		20
245	1	377		BE	SAME2	5		1377	B U12 S		21
246	1	382		MCW	ON,BRANCH	7		1382	M U36 U49		21
247	1	389		LCA	BRANCH,0&X3	7		1389	L U49 0?0		21

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
248	1	396		LCA	SW	4		1396	L U61		21
249	1	400		LCA	BW	4		1400	L U57		21
250	1	404		SBR	X3	4		1404	H 099		21
251	1	408		B	ALMOST	4		1408	B /78		21
252	1	412	SAME2	LCA	SW,0&X3	7		1412	L U61 0?0		22
253	1	419		LCA	BW	4		1419	L U57		22
254	1	423		SBR	X3	4		1423	H 099		22
255	1	427		B	ALMOST	4		1427	B /78		22
256			*								
257			* DATA								
258			*								
259	1	433	OFF	DCW	#3	3		1433			22
260	1	436	ON	DCW	#3	3		1436			22
261	1	441	BIN	DCW	@B &@	5		1441			22
262	1	442	CODE	DCW	#1	1		1442			23
263	1	445	SEQNO	DCW	#3	3		1445			23
264	1	449	BRANCH	DCW	@B @	4		1449			23
265	1	457	BW	DCW	@V 1@	8		1457			23
266	1	461	SW	DCW	@, @	4		1461			23
267	1	469	CONT	DCW	@CONTINUE@	8		1469			23
268	1	470	KLESS	DCW	@<@	1		1470			23
269	1	471	X2ZONE	DCW	@K@	1		1471			24
270	1	472	CH	DCW	#1	1		1472			24
271	1	479	KOTO6	DCW	@0123456@	7		1479			24
272	1	522	ERR37	DCW	@ERROR 37 - ILLEGAL SENSE SWITCH, STATEMENT @	43		1522			26
273	1	523	KP1	DCW	&1	1		1523			26
274	1	525	KP10	DCW	&10	2		1525			26
275	1	561	ERROR2	DCW	@MESSAGE 2 - OBJECT PROGRAM TOO LARGE@	36		1561			27
276	1	565	K1234	DCW	1234	4		1565			28
277	1	607	ERR36	DCW	@ERROR 36 - ILLEGAL SENSE LIGHT, STATEMENT @	42		1607			30
278	1	610	K080	DSA	80	3		1610	080		30
279	1	613	W3	DCW	#3	3		1613			30
280	1	614	GMWM	DCW	@}@	1		1614		GMARK	30
281			ORG		201				0201		
282		203	DSA	LOADDD	LOAD ADDRESS FOR CARD-TO-TAPE PROGRAM	3		0203	838		31
283			EX	BEGINN					B 838		32
284			END						/ 000 080		

