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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 -- VARIABLES PHASE 5 -- 17 PAGE 1

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
101			JOB		FORTRAN COMPILER -- VARIABLES PHASE 5 -- 17						
102			CTL		6611						
103			*								
104			*		A CHECK IS MADE FOR UNREFERENCED VARIABLES						
105			*								
106			X1	EQU	89			0089			
107			X2	EQU	94			0094			
108			X3	EQU	99			0099			
109			*								
110			*		ON ENTRY AND EXIT, X1 IS THE TOP OF CODE, TOPCOR IS THE TOP OF						
111			*		THE SYMBOL TABLE, AND 83 IS THE BOTTOM OF THE SYMBOL TABLE.						
112			*								
113			*		EACH ELEMENT OF THE SCALAR SYMBOLS TABLE CONSISTS OF THE						
114			*		THREE-CHARACTER RUN-TIME ADDRESS, WITH A WORD MARK UNDER						
115			*		THE FIRST CHARACTER, A GROUP MARK, WITH A WORD MARK UNDER						
116			*		IT IF THE VARIABLE IS NOT REFERENCED, AND THE VARIABLE, WITH						
117			*		CHARACTERS REVERSED.						
118			*								
119			*		STUFF IN THE RESIDENT AREA						
120			*								
121			PHASID	EQU	110 PHASE ID, FOR SNAPSHOT DUMPS			0110			
122			SNAPSH	EQU	333 CORE DUMP SNAPSHOT			0333			
123			TOPCOR	EQU	688 TOP CORE ADDRESS FROM PARAM CARD			0688			
124			LOADNX	EQU	700 LOAD NEXT OVERLAY			0700			
125			CLEARL	EQU	707 CS AT START OF OVERLAY LOADER			0707			
126			TPREAD	EQU	780 TAPE READ INSTRUCTION IN OVERLAY LOADER			0780			
127			LOADXX	EQU	793 EXIT FROM OVERLAY LOADER			0793			
128			CLRBOT	EQU	833 BOTTOM OF CORE TO CLEAR IN OVERLAY LOADER			0833			
129			*								
130				ORG	857			0857			
131			LOADDD	EQU	*&1 LOAD ADDRESS			0857			
132	857		BEGINN	CC	J	2	0857	F J			4
133	859			MCW	X1,SX1 MEMORIZE TOP OF CODE	7	0859	M 089 79			4
134	866			MCW	TOPCOR,X2 TOP OF SYMBOL TABLE	7	0866	M 688 094			4
135	873	LOOP	BCE	TABENT,0&X2,}	GM MEANS BOTTOM OF SYM TAB NAME	8	0873	B 945 0!0 } GMARK			4
136	881			SBR	X2	4	0881	H 094			4
137	885			C	X2,83 BOTTOM OF SYMBOL TABLE?	7	0885	C 094 083			4
138	892			BU	LOOP NO	5	0892	B 873 /			5
139			*								
140			*		DONE						
141			*								
142	897			MCW	SX1,X1 RECALL TOP OF CODE	7	0897	M 79 089			5
143	904			BSS	SNAPSH,D	5	0904	B 333 D			5
144	909			SBR	TPREAD&6,838	7	0909	H 786 838			5
145	916			SBR	CLRBOT	4	0916	H 833			5
146	920			SBR	LOADXX&3,838	7	0920	H 796 838			5
147	927			SBR	CLEARL&3,2698	7	0927	H 710 098			6

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
148		934		LCA	CONST1,PHASID	7		0934	L 188 110		6
149		941		B	LOADNX	4		0941	B 700		6
150				*							
151				*	* X2 IS AT GM BELOW A NAME IN THE SYMBOL TABLE						
152				*							
153		945	TABENT	BW	UNREF,0&X2 UNREFERENCED IF GM HAS WM	8		0945	V 965 0!0 1		6
154		953		MN	0&X2	4		0953	D 0!0		6
155		957		SBR	X2	4		0957	H 094		6
156		961		B	LOOP	4		0961	B 873		6
157				*							
158				*	UNREFERENCED SYMBOL						
159				*							
160				*	MOVE X3 (INITIALLY X2) UP TO WM ABOVE SYMBOL						
161				*							
162		965	UNREF	CS	299	4		0965	/ 299		7
163		969		MCW	ERR11,233	7		0969	M /21 233		7
164		976		MCW	X2,X3	7		0976	M 094 099		7
165		983	LOOPU	NOP	1&X3 WHY NOT	4		0983	N 0?1		7
166		987		SAR	X3 JUST SBR X3,1&X3?	4		0987	Q 099		7
167		991		BW	*&5,2&X3 AT WM ABOVE SYMBOL?	8		0991	V 03 0?2 1		7
168		999		B	LOOPU	4		0999	B 983		7
169	1	003		MN	234 WHY NOT	4		1003	D 234		8
170	1	007		MN	JUST	1		1007	D		8
171	1	008		SAR	X1 SBR X1,232?	4		1008	Q 089		8
172	1	012		SBR	X3,1&X3	7		1012	H 099 0?1		8
173	1	019	LOOPW	MCW	0&X3,CH MOVE SYMBOL	7		1019	M 0?0 /22		8
174	1	026		SAR	X3 TO PRINT	4		1026	Q 099		8
175	1	030		MCW	CH,2&X1 LINE WHILE	7		1030	M /22 0 2		8
176	1	037		SBR	X1 REVERSING CHARACTERS	4		1037	H 089		9
177	1	041		BW	*&5,1&X3 TO CORRECT	8		1041	V 53 0?1 1		9
178	1	049		B	LOOPW ORDER	4		1049	B 19		9
179	1	053		W		1		1053	2		9
180	1	054		BCV	*&5	5		1054	B 63 @		9
181	1	059		B	*&3	4		1059	B 65		9
182	1	063		CC	1	2		1063	F 1		9
183	1	065		MN	0&X2	4		1065	D 0!0		10
184	1	069		SAR	X2	4		1069	Q 094		10
185	1	073		B	LOOP	4		1073	B 873		10
186				*							
187				*	DATA						
188				*							
189	1	079	SX1	DCW	#3	3		1079			10
190	1	088	CONST1	DCW	@CONST ONE@	9		1088			10
191	1	121	ERR11	DCW	@ERROR 11 - UNREFERENCED VARIABLE @	33		1121			11
192	1	122	CH	DCW	#1	1		1122			11
193	1	123	GMWM	DCW	@}@	1		1123		GMARK	11
194				ORG	201				0201		
195		203	DSA	LOADDD	LOAD ADDRESS FOR CARD-TO-TAPE PROGRAM	3		0203	857		12
196			EX	BEGINN					B 857		13
197			END						/ 000 080		

