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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 -- OVERLAY LOADER PAGE 1

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
101				JOB	FORTRAN COMPILER -- OVERLAY LOADER						
102				CTL	6611						
103				*							
104				*	XLINKF LOADER - FUNCTION I.						
105				*							
106				*	INPUTS ARE IN 84-86, (274..279)&X3 AND MAYBE EXIT&(1..3).						
107				*							
108				*	IF THE CHARACTER ADDRESSED BY 84-86 IS \$, CLEAR FROM 3+(CONTENTS						
109				*	OF 84-86) DOWN TO DOWNT0, ELSE CLEAR FROM TOP OF CORE.						
110				*							
111				*	IF THE TARGET IN (274..279)&X3 IS ZERO WITH SOME ZONE, LOAD FROM						
112				*	CARDS. IF THE TARGET IS NEGATIVE OR BLANK, LOAD THE FIRST RECORD						
113				*	FROM TAPE AT 1 AND BRANCH TO 1. OTHERWISE HUNT FOR IT, AND WHEN						
114				*	FOUND LOAD THE NEXT BLOCK AT 333 AND THE ONE AFTER THAT AT 700,						
115				*	AND BRANCH TO THE ADDRESS STORED INTO EXIT&3.						
116				*							
117			X1	EQU	89			0089			
118			X2	EQU	94			0094			
119			X3	EQU	99			0099			
120				*							
121				*	ADDRESS IN PHASE 61						
122				*							
123			AFTOVL	EQU	1020 RETURN HERE AFTER LOADING THIS MODULE			1020			
124				*							
125			TARGET	EQU	279&X3			0279	X		
126			BLANKS	EQU	699			0699			
127				*							
128				ORG	333				0333		
129	333		HALT	H	HALT	4	0333	.	333		4
130	337			MCW	86,X2	7	0337	M	086 094		4
131	344			CS	80	4	0344	/	080		4
132	348			BCE	SETCLR,0&X2,\$ SET THE CLEAR ADDRESS	8	0348	B	585 0!0 \$		4
133				*							
134				*	CLEAR FROM TOP OF CORE OR THE SPECIFIED CLEAR ADDRESS DOWN TO						
135				*	DOWNT0.						
136				*							
137	356		CLEAR	CS	0	4	0356	/	000		4
138	360			SBR	CLEAR&3	4	0360	H	359		4
139	364			C	CLEAR&3,DOWNT0	7	0364	C	359 645		4
140	371			BU	CLEAR	5	0371	B	356 /		5
141	376			SW	TARGET-5	4	0376	,	2G4		5
142	380			MZ	TARGET,KZ6	7	0380	Y	2G9 642		5
143	387			C	KZ6,TARGET	7	0387	C	642 2G9		5
144	394			BE	CDLOOP TARGET IS ZERO WITH SOME ZONE	5	0394	B	603 S		5
145	399			BM	LOAD1,TARGET TARGET IS NEGATIVE	8	0399	V	620 2G9 K		5
146	407			MZ	KZ6-5,TARGET CLEAR ZONE OF LOW-ORDER TARGET CHAR	7	0407	Y	637 2G9		6
147	414			C	BLANKS,TARGET	7	0414	C	699 2G9		6

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
148		421		BE	LOAD1 TARGET IS BLANKS	5		0421	B 620 S		6
149			*								
150			*	SET	GMWM IN 22						
151			*								
152		426		SW	22	4		0426	, 022		6
153		430		MCW	GMWM,22	7		0430	M 680 022		6
154			*								
155			*	HUNT	FOR LIB IN 8-10 AND THE TARGET (TARGET) IN 12-17						
156			*								
157		437	HUNT	RT	1,1	8		0437	M %U1 001 R		6
158		445		BEF	ENDFIL	5		0445	B 478 K		7
159		450		C	10,LIB	7		0450	C 010 648		7
160		457		BU	HUNT	5		0457	B 437 /		7
161		462		C	17,TARGET	7		0462	C 017 2G9		7
162		469		BE	FOUND	5		0469	B 498 S		7
163		474		B	HUNT	4		0474	B 437		7
164			*								
165			*	END	OF FILE. CHANGE THE NOP TO A HALT AND BRANCH TO LOAD						
166			*	FROM	CARDS, THEN REWIND THE TAPE AND HUNT AGAIN. THEREBY, THE						
167			*	TAPE	IS ONLY SEARCHED TWICE.						
168			*								
169		478	ENDFIL	NOP	CDLOOP BECOMES H CDLOOP	4		0478	N 603		7
170		482		MCW	HALT,ENDFIL	7		0482	M 333 478		8
171		489		RWD	1	5		0489	U %U1 R		8
172		494		B	HUNT	4		0494	B 437		8
173			*								
174			*	FOUND	THE TARGET						
175			*	LOAD	THE NEXT BLOCK AT 333 AND THE ONE AFTER THAT AT 700,						
176			*	THEN	BRANCH TO THE ADDRESS PLUGGED INTO EXIT&3						
177			*								
178		498	FOUND	LCA	KZ6-1,101 CLEAR	7		0498	L 641 101		8
179		505		LCA	KZ6-1 INDEX	4		0505	L 641		8
180		509		LCA	KZ6-1 REGISTERS	4		0509	L 641		8
181		513		RTW	1,333 HOPE SHORT ENOUGH NOT TO CLOBBER US	8		0513	L %U1 333 R		8
182		521		BER	TAPERR	5		0521	B 557 L		9
183		526		MCW	KZ6-5,KZ6-1	7		0526	M 637 641		9
184		533		SBR	TAPERX&3,READ2	7		0533	H 580 540		9
185		540	READ2	RTW	1,700	8		0540	L %U1 700 R		9
186		548		BER	TAPERR	5		0548	B 557 L		9
187		553	EXIT	B	0	4		0553	B 000		9
188		557	TAPERR	A	K1,KZ6-1	7		0557	A 679 641		10
189		564		BCE	ERRHLT,KZ6-1,9 NINE ERRORS?	8		0564	B 581 641 9		10
190		572		BSP	1	5		0572	U %U1 B		10
191		577	TAPERX	B	FOUND	4		0577	B 498		10
192		581	ERRHLT	H	ERRHLT	4		0581	. 581		10
193			*								
194			*	SET	THE CLEAR START ADDRESS						
195			*								
196		585	SETCLR	MCW	3&X2,CLEAR&3	7		0585	M 0!3 359		10
197		592		MZ	KZ6-5,CLEAR&2	7		0592	Y 637 358		11

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
198		599		B	CLEAR	4		0599	B 356		11
199			*								
200			*		TARGET IS 00000X WHERE X IS ZERO WITH SOME ZONE.						
201			*		READ CARDS UNTIL ONE WITH COMMA (SW) IN COLUMN 1 IS FOUND,						
202			*		THEN BRANCH TO IT.						
203			*								
204	603		CDLOOP	SW	1	4		0603	, 001		11
205	607			R		1		0607	1		11
206	608			BCE	1,1,,	8		0608	B 001 001 ,		11
207	616			B	CDLOOP	4		0616	B 603		11
208			*								
209			*		LOAD A BLOCK INTO 1 AND BRANCH TO IT						
210			*								
211	620		LOAD1	RWD	1	5		0620	U %U1 R		11
212	625			RTW	1,1	8		0625	L %U1 001 R		12
213	633			B	1	4		0633	B 001		12
214			*								
215			*		DATA						
216			*								
217	642		KZ6	DCW	000000	6		0642			12
218	645		DOWNTO	DSA	699	3		0645	699		12
219	648		LIB	DCW	@LIB@	3		0648			12
220	678			DC	#30	30		0678			13
221	679		K1	DCW	@1@	1		0679			13
222	680		GMWM	DCW	@j@	1		0680		GMARK	13
223				EX	AFTOVL				B  20		14
224				END					/ 000 080		

