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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
198					* SET THE CLEAR START ADDRESS						
199					*						
200	585		SETCLR	MCW	3&X2,CLEAR&3	7	0585	M 013	359		11
201	592			MZ	KZ6-5,CLEAR&2	7	0592	Y 637	358		11
202	599			B	CLEAR	4	0599	B 356			11
203					*						
204					* TARGET IS 00000X WHERE X IS ZERO WITH SOME ZONE.						
205					* READ CARDS UNTIL ONE WITH COMMA (SW) IN COLUMN 1 IS FOUND,						
206					* THEN BRANCH TO IT.						
207					*						
208	603		CDLOOP	SW	1	4	0603	, 001			11
209	607			R		1	0607	1			11
210	608			BCE	1,1,,	8	0608	B 001 001 ,			11
211	616			B	CDLOOP	4	0616	B 603			12
212					*						
213					* LOAD A BLOCK INTO 1 AND BRANCH TO IT						
214					*						
215	620		LOAD1	RWD	1	5	0620	U %U1 R			12
216	625			RTW	1,1	8	0625	L %U1 001 R			12
217	633			B	1	4	0633	B 001			12
218					*						
219					* DATA						
220					*						
221	642		KZ6	DCW	000000	6	0642				12
222	645		DOWNT0	DSA	699	3	0645	699			12
223	648		LIB	DCW	@LIB@	3	0648				12
224	649		READ2X	RTW	1,700	8	0649	L %U1 700 R			13
225	657			SBR	READ2R&3	4	0657	H 547			13
226	661			BER	TAPERR	5	0661	B 557 L			13
227	666			B	READ2R	4	0666	B 544			13
228	678			DC	#9	9	0678				13
229	679		K1	DCW	@1@	1	0679				13
230	680		GMWM	DCW	@}@	1	0680			GMARK	13
231				EX	AFTOVL			B 20			14
232				END				/ 000 080			

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
AFTOVL	1020	BLANKS	699	CDLOOP	603	CLEAR	356	DOWNT0	645	ENDFIL	478	ERRHLT	581
EXIT	553	FOUND	498	GMWM	680	HALT	333	HUNT	437	K1	679	KZ6	642
LIB	648	LOAD1	620	READ2	540	READ2R	544	READ2X	649	SETCLR	585	TAPERR	557
TAPERX	577	TARGET	279+X3	X1	89	X2	94	X3	99				