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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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UNBLOCK AND PRINT AND PUNCH FROM TAPE 1 PAGE 1

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
101				JOB	UNBLOCK AND PRINT AND PUNCH FROM TAPE 1						
102				CTL	6611						
103				*							
104				*	AT STOP WITH 364 IN IAR AND 372 IN AAR, PUSH START TO PRINT OR						
105				*	START RESET AND START TO SKIP PRINTING.						
106				*							
107				*	AT STOP WITH 600 IN IAR AND 604 IN AAR, PUSH START TO PUNCH OR						
108				*	START RESET AND START TO REWIND TAPE AND QUIT.						
109				*							
110			X1	EQU	89			0089			
111				ORG	1				0001		
112	1			BER	HALT	5	0001	B 010	L		4
113	6			B	START	4	0006	B 333			4
114	10	HALT	H	1,1	YES, HALT	7	0010	. 001	001		4
115	17		BIN	HALT,	BACK TO THE HALT	5	0017	B 010			4
116				ORG	333				0333		
117	333	START	LCA	KZERO3,X1	INITIALIZE INDEX	7	0333	L 726	089		5
118	340		SW	BUF		4	0340	, V00			5
119	344	CLEAR	CS	3999	CLEAR BUFFER	4	0344	/ I99			5
120	348		SBR	CLEAR&3	KEEP TRACK	4	0348	H 347			5
121	352		BW	CLEAR,BUF	BACK FOR MORE IF NOT DONE	8	0352	V 344	V00 1		5
122	360		H	PRINT	PUSH START TO PRINT	4	0360	. 372			5
123	364		SW	SW	START RESET / START TO SKIP PRINT	4	0364	, 723			5
124	368		B	SKIPB		4	0368	B 558			6
125				*							
126				*	PRINT 134-CHARACTER RECORDS BLOCKED 10						
127				*							
128	372	PRINT	CC	1		2	0372	F 1			6
129	374		SW	201		4	0374	, 201			6
130	378	NXBLKW	RT	1,BUF&1		8	0378	M %U1	V01 R		6
131	386		BER	TPERR		5	0386	B 495	L		6
132	391		C	BUF&60,K5B	Q. BBBB IN 60	7	0391	C V60	722		6
133	398		BE	GOTB	YES	5	0398	B 588	S		6
134	403	NXLIN	C	BUF&60&X1,K5L		7	0403	C VW0	717		7
135	410		BE	SKIPB		5	0410	B 558	S		7
136	415		BCE	NEWPAG,BUF&1&X1,1	Q. NEW PAGE	8	0415	B 483	V 1 1		7
137	423		BCE	DBLSPC,BUF&1&X1,0	Q. DOUBLE SPACE	8	0423	B 489	V 1 0		7
138	431	MVLIN	MCW	BUF&133&X1,332	MOVE RECORD TO PRINT AREA	7	0431	M WT3	332		7
139	438		W		PRINT IT	1	0438	2			7
140	439		A	K01,RECNT	BUMP RECORD COUNTER	7	0439	A 728	730		8
141	446		BCE	NEWBKW,RECNT-1,1	Q. RECORD COUNTER # 10	8	0446	B 465	729 1		8
142	454		A	K134,X1	BUMP INDEX	7	0454	A 733	089		8
143	461		B	NXLIN		4	0461	B 403			8
144	465	NEWBKW	MCW	KZERO2,RECNT	RECORD COUNTER BACK TO ZERO	7	0465	M 735	730		8
145	472		MCW	KZERO3,X1	INDEX BACK TO ZERO	7	0472	M 726	089		9
146	479		B	NXBLKW		4	0479	B 378			9
147	483	NEWPAG	CC	1		2	0483	F 1			9

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
148	485			B	MVLIN		4	0485	B 431		9
149	489		DBLSPC	CC	L		2	0489	F L		9
150	491			B	MVLIN		4	0491	B 431		9
151			*								
152			* TAPE	ERROR	ROUTINE						
153			*								
154	495		TPERR	SBR	TPERX&3		4	0495	H 527		9
155	499			MCW	KZERO2,737		7	0499	M 735 737		10
156	506		BSP	BSP	1		5	0506	U %U1 B		10
157	511			RT	1,BUF&1		8	0511	M %U1 V01 R		10
158	519			BER	528		5	0519	B 528 L		10
159	524		TPERX	B	0		4	0524	B 000		10
160			*								
161	528			A	K01,ERCNT	BUMP	7	0528	A 728 737		10
162	535			BCE	MANY,ERCNT-1,1	Q. TEN ERRORS	8	0535	B 547 736 1		11
163	543			B	BSP	NO, GO BACKSPACE AGAIN	4	0543	B 506		11
164	547		MANY	H	1,1	YES, HALT	7	0547	. 001 001		11
165	554			B	BSP	NOW GO BACKSPACE AGAIN	4	0554	B 506		11
166			*								
167			* SKIP	TO A	BLOCK WITH	BBBBB IN 60					
168			*								
169	558		SKIPB	RT	1,BUF&1		8	0558	M %U1 V01 R		11
170	566			BER	TPERR		5	0566	B 495 L		11
171	571			C	BUF&60,K5B	Q. BBBBB IN 60	7	0571	C V60 722		12
172	578			BE	GOTB		5	0578	B 588 S		12
173	583			BU	SKIPB		5	0583	B 558 /		12
174	588		GOTB	BW	PUNCH,SW	Q. START RESET AT FIRST	8	0588	V 604 723 1		12
175	596			H	PUNCH	START TO PUNCH	4	0596	. 604		12
176	600			B	RWD	START RESET / START TO FINISH	4	0600	B 697		12
177			*								
178			* PUNCH	81-CHARACTER	RECORDS	BLOCKED 20					
179			*								
180	604		PUNCH	MCW	KZERO3,X1	ZERO TO INDEX	7	0604	M 726 089		13
181	611			MCW	KZERO2,RECNT	ZERO TO RECORD COUNTER	7	0611	M 735 730		13
182	618			SW	101		4	0618	, 101		13
183	622		NXBLKP	RT	1,BUF&1	READ NEXT BLOCK TO PUNCH	8	0622	M %U1 V01 R		13
184	630			BER	TPERR		5	0630	B 495 L		13
185	635			BEF	EOF		5	0635	B 692 K		13
186	640		NXCRD	C	BUF&60&X1,K5L	Q. LLLLL IN 60	7	0640	C VW0 717		14
187	647			BE	EOF	YES, DONE	5	0647	B 692 S		14
188	652			MCW	BUF&80&X1,180	MOVE RECORD TO PUNCH AREA	7	0652	M VY0 180		14
189	659			P		PUNCH IT	1	0659	4		14
190	660			SS	4	INTO STACKER 4	2	0660	K 4		14
191	662			A	K01,RECNT	BUMP RECORD COUNTER	7	0662	A 728 730		14
192	669			BCE	NEWBKP,RECNT-1,2	Q. RECORD COUNTER # 20	8	0669	B 688 729 2		14
193	677			A	K81,X1		7	0677	A 740 089		15
194	684			B	NXCRD		4	0684	B 640		15
195	688		NEWBKP	B	PUNCH		4	0688	B 604		15
196	692		EOF	CS	180		4	0692	/ 180		15
197	696			P			1	0696	4		15

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
198	697	RWD	RWD		1	5		0697	U %U1 R		15
199	702	HALT9	H		999,999	7		0702	. 999 999		15
200	709		B		HALT9	4		0709	B 702		16
201	717	K5L	DCW		@LLLLL@	5		0717			16
202	722	K5B	DCW		@BBBBB@	5		0722			16
203	723	SW	DC		#1	1		0723			16
204	726	KZERO3	DSA		0	3		0726	000		16
205	728	K01	DCW		@01@	2		0728			16
206	730	RECNT	DCW		#2	2		0730			16
207	733	K134	DSA		134	3		0733	134		16
208	735	KZERO2	DCW		00	2		0735			17
209	737	ERCNT	DCW		#2	2		0737			17
210	740	K81	DSA		81	3		0740	081		17
211	741		DCW		@}@	1		0741		GMARK	17
212			ORG		1500				1500		
213		BUF	EQU		*&1			1500			
214			END						/ 000 080		

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
BSP	506	BUF	1500	CLEAR	344	DBLSPC	489	EOF	692	ERCNT	737	GOTB	588
HALT	10	HALT9	702	K01	728	K134	733	K5B	722	K5L	717	K81	740
KZERO2	735	KZERO3	726	MANY	547	MVLIN	431	NEWBKP	688	NEWBKW	465	NEWPAG	483
NXBLKP	622	NXBLKW	378	NXCRD	640	NXLIN	403	PRINT	372	PUNCH	604	RECNT	730
RWD	697	SKIPB	558	START	333	SW	723	TPERR	495	TPERX	524	X1	89