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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 -- CONSTANTS PHASE THREE -- 20 PAGE 1

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
101			JOB		FORTRAN COMPILER -- CONSTANTS PHASE THREE -- 20						
102			CTL		6611						
103			*								
104			*		CONSTANTS ARE PLACED IN THEIR OBJECT-TIME LOCATIONS AT THE						
105			*		LOWER END OF STORAGE. THE OBJECT-TIME ADDRESSES REPLACE						
106			*		THE CONSTANTS WHEREVER THEY APPEAR.						
107			*								
108			*		ON ENTRY, X1 AND TOPCOD ARE THE TOP OF THE PREFIX OF THE TOP						
109			*		STATEMENT, AND 81-83 IS THE NEXT AVAILABLE PLACE IN THE						
110			*		NUMBER TABLE.						
111			*								
112			*		ON EXIT, X1 IS THE TOP OF THE PREFIX OF THE TOP STATEMENT						
113			*		AND 81-83 IS THE BOTTOM OF THE NUMBER TABLE.						
114			*								
115			X1	EQU	89			0089			
116			X2	EQU	94			0094			
117			X3	EQU	99			0099			
118			*								
119			*		STUFF IN THE RESIDENT AREA						
120			*								
121			PHASID	EQU	110			0110			
122			NEGAR2	EQU	142			0142			
123			NEGAR3	EQU	157			0157			
124			ARYSIZ	EQU	160			0160			
125			NEGARY	EQU	163			0163			
126			ARYTOP	EQU	194			0194			
127			SNAPSH	EQU	333			0333			
128			TOPCOR	EQU	688			0688			
129			LOADNX	EQU	700			0700			
130			CLEARL	EQU	707			0707			
131			CDOVLY	EQU	769			0769			
132			TPREAD	EQU	780			0780			
133			LOADXX	EQU	793			0793			
134			CLRBOT	EQU	833			0833			
135			TOPCOD	EQU	840			0840			
136			DIFF	EQU	845			0845			
137			BNDRY	EQU	848			0848			
138			*								
139			ORG		849				0849		
140			LOADDD	EQU	*&1			0849			
141			*								
142			*		CONVERT TOPCOR TO DECIMAL						
143			*								
144	849		BEGINN	S	W2H		4	0849	S !48		4
145	853			S	W2L		4	0853	S !50		4
146	857			MZ	TOPCOR,W2H-1		7	0857	Y 688 !47		4
147	864			MZ	TOPCOR-2,W2L-1		7	0864	Y 686 !49		4

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
148		871		BWZ	*&12,W2L-1,2	8		0871	V 890 !49 2		4
149		879		A	KA0,W2L	7		0879	A !52 !50		4
150		886		B	*-18	4		0886	B 871		5
151		890		BWZ	*&12,W2H-1,2	8		0890	V 909 !47 2		5
152		898		A	KQ4,W2H	7		0898	A !54 !48		5
153		905		B	*-18	4		0905	B 890		5
154		909		A	W2L-1,W2H	7		0909	A !49 !48		5
155		916		MCW	TOPCOR,ARYSZW	7		0916	M 688 !71		5
156		923		MCW	W2H	4		0923	M !48		6
157		927		ZA	ARYSZW	4		0927	? !71		6
158		931		MZ	*-4,ARYSZW	7		0931	Y 933 !71		6
159		938		MCW	X2,SX2	7		0938	M 094 !57		6
160		945		S	W2H2	4		0945	S !59		6
161		949		S	W2L2	4		0949	S !61		6
162				*							
163				*	CONVERT ARYTOP TO DECIMAL						
164				*							
165		953		MZ	ARYTOP,W2H2-1	7		0953	Y 194 !58		6
166		960		MZ	ARYTOP-2,W2L2-1	7		0960	Y 192 !60		7
167		967		BWZ	*&12,W2L2-1,2	8		0967	V 986 !60 2		7
168		975		A	KA0,W2L2	7		0975	A !52 !61		7
169		982		B	*-18	4		0982	B 967		7
170		986		BWZ	*&12,W2H2-1,2	8		0986	V !05 !58 2		7
171		994		A	KQ4,W2H2	7		0994	A !54 !59		8
172	1	001		B	*-18	4		1001	B 986		8
173	1	005		A	W2L2-1,W2H2	7		1005	A !60 !59		8
174	1	012		MCW	ARYTOP,W5	7		1012	M 194 !66		8
175	1	019		MCW	W2H2	4		1019	M !59		8
176	1	023		ZA	W5	4		1023	? !66		8
177	1	027		MZ	*-4,W5	7		1027	Y !29 !66		9
178				*							
179				*	CONVERT W5-ARYSZW, WHIICH IS ARRAY SIZES & 2, TO MACHINE						
180				*	ADDRESS						
181				*							
182	1	034		S	W5,ARYSZW	7		1034	S !66 !71		9
183	1	041		C	KP0,ARYSZW	7		1041	C !76 !71		9
184	1	048		BE	NOARYS	5		1048	B /61 S		9
185	1	053		MN	ARYSZW,ARYSIZ	7		1053	D !71 160		9
186	1	060		MN		1		1060	D		9
187	1	061		MN		1		1061	D		9
188	1	062		SAR	*&4	4		1062	Q !69		10
189	1	066		MCW	0,X2 WHY NOT JUST MCW ARYSZW-3,X2 ?	7		1066	M 000 094		10
190	1	073		MCW	K0	4		1073	M !77		10
191	1	077		A	X2	4		1077	A 094		10
192	1	081		MZ	ZONES&X2,ARYSIZ	7		1081	Y !J6 160		10
193	1	088		CW		1		1088)		10
194	1	089		SBR	*&7	4		1089	H !99		10
195	1	093		MZ	ZONES-1&X2,0 WHY NOT MZ ZONES-1&X2,ARYSIZ-2 ?	7		1093	Y !J5 000		11
196	1	100		MCW	K16K,W5B	7		1100	M !82 !87		11
197	1	107		S	ARYSZW,W5B	7		1107	S !71 !87		11

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
198	1	114		MN	W5B,NEGARY	7		1114	D !87 163		11
199	1	121		MN		1		1121	D		11
200	1	122		MN		1		1122	D		11
201	1	123		SAR	*&4	4		1123	Q /30		11
202	1	127		MCW	0,X2 WHY NOT MCW W5B-3,X2 ?	7		1127	M 000 094		12
203	1	134		MCW	K0	4		1134	M !77		12
204	1	138		A	X2	4		1138	A 094		12
205	1	142		MZ	ZONES&X2,NEGARY	7		1142	Y !J6 163		12
206	1	149		CW		1		1149)		12
207	1	150		SBR	*&7	4		1150	H /60		12
208	1	154		MZ	ZONES-1&X2,0 WHY NOT MZ ZONES-1&X2,NEGARY-2 ?	7		1154	Y !J5 000		12
209	1	161	NOARYS	MCW	SX2,X2	7		1161	M !57 094		13
210	1	168		MA	NEGARY,NEGAR2	7		1168	# 163 142		13
211	1	175		MA	NEGARY,NEGAR3	7		1175	# 163 157		13
212	1	182		MCW	TOPCOD,SAVTOP&3	7		1182	M 840 U82		13
213	1	189		MZ	S,SAVTOP&2 X2 ZONE	7		1189	Y !88 U81		13
214	1	196		MCW	X2,SX2B	7		1196	M 094 !91		14
215	1	203		MCW	KB1,2599	7		1203	M !92 N99		14
216	1	210	LOOP	BCE	BOTTOM,0&X1,	8		1210	B X76 0 0		14
217	1	218		MCW	0&X1,SEQCOD	7		1218	M 0 0 !96		14
218	1	225		LCA	0&X1,PREFIX	7		1225	L 0 0 J06		14
219	1	232		SAR	X1	4		1232	Q 089		15
220	1	236		SBR	X3	4		1236	H 099		15
221	1	240		LCA	PREFIX,0&X2	7		1240	L J06 0!0		15
222	1	247		SBR	X2	4		1247	H 094		15
223	1	251		BCE	ENDSTM,SEQCOD-3,/ END STATEMENT?	8		1251	B X46 !93 /		15
224	1	259	SCHUND	BCE	GOTUN6,0&X1, _	8		1259	B S93 0 0 _		15
225	1	267		CHAIN	5					MACRO	
226				BCE		1		1267	B	GEN	15
227				BCE		1		1268	B	GEN	16
228				BCE		1		1269	B	GEN	16
229				BCE		1		1270	B	GEN	16
230				BCE		1		1271	B	GEN	16
231	1	272		BCE	ENDSTM,0&X1,}	8		1272	B X46 0 0 }	GMARK	16
232	1	280		CHAIN	5					MACRO	
233				BCE		1		1280	B	GEN	16
234				BCE		1		1281	B	GEN	16
235				BCE		1		1282	B	GEN	17
236				BCE		1		1283	B	GEN	17
237				BCE		1		1284	B	GEN	17
238	1	285		SBR	X1	4		1285	H 089		17
239	1	289		B	SCHUND	4		1289	B S59		17
240				*							
241				*	GOT X1 TO WITHIN SIX OF UNDERSCORE. GET TO IT EXACTLY.						
242				*							
243	1	293	GOTUN6	BCE	GOTUND,0&X1, _	8		1293	B T09 0 0 _		17
244	1	301		SBR	X1	4		1301	H 089		17
245	1	305		B	GOTUN6	4		1305	B S93		18
246				*							
247				*	GOT X1 TO THE UNDERSCORE ABOVE A NUMBER						

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
248					*						
249	1	309	GOTUND	SW	1&X1	4		1309	, 0 1		18
250	1	313		CW		1		1313)		18
251	1	314		CW		1		1314)		18
252	1	315		CW		1		1315)		18
253	1	316		SAR	X1	4		1316	Q 089		18
254	1	320	BCE		GOTGM,4&X1,} CAN THIS HAPPEN?	8		1320	B T43 0 4 } GMARK		18
255	1	328	LCA		0&X3,0&X2 MOVE UP EVERYTHING ABOVE NUMBER.	7		1328	L 0?0 0!0		19
256	1	335		SBR	X2	4		1335	H 094		19
257	1	339		CW	1&X2	4		1339) 0!1		19
258	1	343	GOTGM	SBR	X3,2&X1	7		1343	H 099 0 2		19
259					*						
260					* GET X1 DOWN TO A PUNCTUATION MARK BELOW THE NUMBER						
261					*						
262	1	350	SCHPUN	MCW	0&X1,W1	7		1350	M 0 0 J07		19
263	1	357		SAR	X1	4		1357	Q 089		19
264	1	361		MCW	W1,*&8	7		1361	M J07 T75		20
265	1	368		BCE	GOTPUN,PUNCT,0	8		1368	B T88 J16 0		20
266	1	376			CHAIN 8					MACRO	
267				BCE		1		1376	B	GEN	20
268				BCE		1		1377	B	GEN	20
269				BCE		1		1378	B	GEN	20
270				BCE		1		1379	B	GEN	20
271				BCE		1		1380	B	GEN	20
272				BCE		1		1381	B	GEN	21
273				BCE		1		1382	B	GEN	21
274				BCE		1		1383	B	GEN	21
275	1	384		B	SCHPUN	4		1384	B T50		21
276	1	388	GOTPUN	SW	2&X1 AT THE BOTTOM OF THE NUMBER	4		1388	, 0 2		21
277	1	392		ZA	0&X3,HASH	7		1392	? 0?0 J20		21
278	1	399		A	4&X1,HASH	7		1399	A 0 4 J20		21
279	1	406		BCE	BLANK,2&X1,	8		1406	B X04 0 2		22
280	1	414	BBACK	MZ	KB4,HASH	7		1414	Y J24 J20		22
281	1	421		MZ		1		1421	Y		22
282	1	422		MZ		1		1422	Y		22
283	1	423		MCW		1		1423	M		22
284	1	424		S	DIFF-1,HASH COMPUTE	7		1424	S 844 J20		22
285	1	431		BWZ	*-14,HASH,B MOD	8		1431	V U24 J20 B		22
286	1	439		A	DIFF-1,HASH (DIFF-1,HASH)	7		1439	A 844 J20		23
287	1	446		MZ	KB1,HASH	7		1446	Y !92 J20		23
288	1	453		MCW	X2,SX2C	7		1453	M 094 J32		23
289	1	460		MCW		1		1460	M		23
290	1	461		MCW	HASH,X1	7		1461	M J20 089		23
291	1	468		A	X1	4		1468	A 089		23
292	1	472		A	HASH,X1	7		1472	A J20 089		24
293	1	479	SAVTOP	NOP	0	4		1479	N 000		24
294	1	483		SAR	X1	4		1483	Q 089		24
295	1	487		MCW	NOP,BOTSH	7		1487	M J33 W71		24
296	1	494	HLOOP	BCE	NOTFND,0&X1, NOT FOUND IF HASH ENTRY BLANK	8		1494	B W26 0 0		24
297	1	502		BCE	BOTSH,0&X1,<	8		1502	B W71 0 0 <		24

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
298	1	510		MCW	0&X1,X2	7		1510	M 0 0 094		25
299	1	517		SAR	X1	4		1517	Q 089		25
300	1	521		C	0&X3,0&X2	7		1521	C 0?0 0!0		25
301	1	528		BU	HLOOP	5		1528	B U94 /		25
302	1	533		C	0&X2,0&X3	7		1533	C 0!0 0?0		25
303	1	540		BU	HLOOP	5		1540	B U94 /		25
304				*							
305				*	FOUND IN THE HASH TABLE						
306				*							
307	1	545	FOUND	MCW	X2,SX2D	7		1545	M 094 J36		26
308	1	552		MCW	SX2D,SX2E	7		1552	M J36 J39		26
309	1	559		MA	NEGARY,SX2D	7		1559	# 163 J36		26
310	1	566		MCW	SX2C,X2	7		1566	M J32 094		26
311	1	573		MCW		1		1573	M		26
312	1	574		LCA	SX2D,0&X2	7		1574	L J36 0!0		26
313	1	581		SBR	X2	4		1581	H 094		27
314	1	585		CW	1&X2	4		1585) 0!1		27
315	1	589		MCW	SX2E,*&7	7		1589	M J39 W02		27
316	1	596		BWZ	FPNUM,0-0,2	8		1596	V W93 000 2		27
317	1	604		MZ	KB1,2&X2 SET INTEGER ZONE	7		1604	Y !92 0!2		27
318	1	611	NUMFIN	SBR	X1,1&X1	7		1611	H 089 0!1		27
319	1	618		SBR	X3	4		1618	H 099		28
320	1	622		B	SCHUND	4		1622	B S59		28
321				*							
322				*	NOT FOUND, ENTER IT						
323				*							
324	1	626	NOTFND	MCW	83,X2	7		1626	M 083 094		28
325	1	633		MCW	83,0&X1	7		1633	M 083 0!0		28
326	1	640		MCW	0&X3,0&X2	7		1640	M 0?0 0!0		28
327	1	647		SBR	X1	4		1647	H 089		28
328	1	651		SBR	83	4		1651	H 083		28
329	1	655		BCE	TOOBIG,0&X1,<	8		1655	B X12 0!0 <		29
330	1	663		SW	1&X1	4		1663	, 0!1		29
331	1	667		B	FOUND	4		1667	B V45		29
332				*							
333				*	BOTTOM OF HASH TABLE						
334				*							
335	1	671	BOTHSH	NOP	TOOBIG	4		1671	N X12		29
336	1	675		MCW	S,BOTHSH SHOULD THIS BE B INSTEAD OF S?	7		1675	M !88 W71		29
337	1	682		MCW	BNDRY,X1	7		1682	M 848 089		29
338	1	689		B	HLOOP	4		1689	B U94		29
339				*							
340				*	FOUND FLOATING-POINT NUMBER						
341				*							
342	1	693	FPNUM	MZ	*-6,2&X2 SET FLOATING POINT ZONE	7		1693	Y W93 0!2		30
343	1	700		B	NUMFIN	4		1700	B W11		30
344				*							
345				*	A BLANK IN THE NUMBER						
346				*							
347	1	704	BLANK	SW	3&X1	4		1704	, 0!3		30

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
348	1	708		B	BBACK	4		1708	B U14		30
349			*								
350			* TOO BIG								
351			*								
352	1	712	TOOBIG	CS	332	4		1712	/ 332		30
353	1	716		CS		1		1716	/		30
354	1	717		CC	1	2		1717	F 1		30
355	1	719		MCW	ERROR2,270	7		1719	M J75 270		31
356	1	726		W		1		1726	2		31
357	1	727		CC	1	2		1727	F 1		31
358	1	729		BCE	HALT,CDOVLY,1	8		1729	B X42 769 1		31
359	1	737		RWD	1	5		1737	U %U1 R		31
360	1	742	HALT	H	HALT	4		1742	. X42		31
361			*								
362			* GOT TO WITHIN SIX OF A GM WITHOUT SEEING UNDERSCORE.								
363			* MOVE THE REMAINDER OF THE STATEMENT UP.								
364			*								
365	1	746	ENDSTM	LCA	0&X3,0&X2	7		1746	L 0?0 0!0		31
366	1	753		SAR	X3	4		1753	Q 099		32
367	1	757		C	0&X2	4		1757	C 0!0		32
368	1	761		SAR	X2	4		1761	Q 094		32
369	1	765		MCW	X3,X1	7		1765	M 099 089		32
370	1	772		B	LOOP	4		1772	B \$10		32
371			*								
372			* REACHED THE BOTTOM OF STATEMENTS								
373			*								
374	1	776	BOTTOM	MCW	SX2B,X1	7		1776	M !91 089		32
375	1	783		CS	332	4		1783	/ 332		32
376	1	787		CS		1		1787	/		33
377	1	788		MCW	CONSTS,223	7		1788	M J98 223		33
378			*								
379			* CONVERT 81-83 TO DECIMAL								
380			*								
381	1	795		S	W2H3	4		1795	S K00		33
382	1	799		S	W2L3	4		1799	S K02		33
383	1	803		MZ	83,W2H3-1	7		1803	Y 083 J99		33
384	1	810		MZ	81,W2L3-1	7		1810	Y 081 K01		33
385	1	817		BWZ	*&12,W2L3-1,2	8		1817	V Y36 K01 2		33
386	1	825		A	KA0,W2L3	7		1825	A !52 K02		34
387	1	832		B	*-18	4		1832	B Y17		34
388	1	836		BWZ	*&12,W2H3-1,2	8		1836	V Y55 J99 2		34
389	1	844		A	KQ4,W2H3	7		1844	A !54 K00		34
390	1	851		B	*-18	4		1851	B Y36		34
391	1	855		A	W2L3-1,W2H3	7		1855	A K01 K00		34
392	1	862		MCW	83,W5C	7		1862	M 083 K08		35
393	1	869		MCW	W2H3	4		1869	M K00		35
394	1	873		ZA	W5C	4		1873	? K08		35
395	1	877		MZ	*-4,W5C	7		1877	Y Y79 K08		35
396	1	884		S	ARYSZW,W5C	7		1884	S !71 K08		35
397	1	891		MZ	KB1,W5C	7		1891	Y !92 K08		35

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
398	1	898		A	KP1,W5C	7		1898	A K03 K08		36
399	1	905		MCW	83,X3	7		1905	M 083 099		36
400	1	912		MA	NEGARY,X3	7		1912	# 163 099		36
401	1	919		SBR	X3,1&X3	7		1919	H 099 0?1		36
402	1	926		MCW	ARYTOP,247	7		1926	M 194 247		36
403	1	933		MCW	HYPHEN	4		1933	M K09		36
404	1	937		MCW	X3	4		1937	M 099		37
405	1	941		MCW	KB3	4		1941	M K12		37
406	1	945		MCW	W5	4		1945	M !66		37
407	1	949		MCW	TO	4		1949	M K16		37
408	1	953		MCW	W5C	4		1953	M K08		37
409	1	957		CC	J	2		1957	F J		37
410	1	959		W		1		1959	2		37
411	1	960		CC	J	2		1960	F J		38
412	1	962		BCV	*&5	5		1962	B Z71 @		38
413	1	967		B	*&3	4		1967	B Z73		38
414	1	971		CC	1	2		1971	F 1		38
415				*							
416				*	LOAD NEXT OVERLAY						
417				*							
418	1	973		BSS	SNAPSH,D	5		1973	B 333 D		38
419	1	978		SBR	TPREAD&6,838	7		1978	H 786 838		38
420	1	985		SBR	CLRBOT	4		1985	H 833		38
421	1	989		SBR	LOADXX&3,838	7		1989	H 796 838		39
422	1	996		SBR	CLEARL&3,2598	7		1996	H 710 N98		39
423	2	003		LCA	SUBSCR,PHASID	7		2003	L K22 110		39
424	2	010		B	LOADNX	4		2010	B 700		39
425				*							
426				*	DATA						
427				*							
428	2	015		DCW	@ 9@	2		2015			39
429			ZONES	EQU	*&1			2016			
430	2	046		DCW	@9Z9R9I99ZZZRZIZ9RZRRRIR9IZIRIII@	31		2046			40
431	2	048	W2H	DCW	#2 HIGH-ORDER ZONES FROM TOPCOR	2		2048			40
432	2	050	W2L	DCW	#2 LOW-ORDER ZONES FROM TOPCOR	2		2050			40
433	2	052	KA0	DCW	@A0@ USED TO CONVERT MACHINE ADDRESS TO DECIMAL	2		2052			40
434	2	054	KQ4	DCW	@?4@ USED TO CONVERT MACHINE ADDRESS TO DECIMAL	2		2054			40
435	2	057	SX2	DCW	#3	3		2057			41
436	2	059	W2H2	DCW	#2	2		2059			41
437	2	061	W2L2	DCW	#2	2		2061			41
438	2	066	W5	DCW	#5	5		2066			41
439	2	071	ARYSZW	DCW	#5 ARRAY SIZE & 2	5		2071			41
440	2	076	KP0	DCW	@0000?@	5		2076			41
441	2	077	K0	DCW	@0@	1		2077			41
442	2	082	K16K	DCW	@16000@	5		2082			42
443	2	087	W5B	DCW	#5	5		2087			42
444	2	088	S	DCW	@S@	1		2088			42
445	2	091	SX2B	DCW	#3	3		2091			42
446	2	092	KB1	DCW	#1	1		2092			42
447	2	096	SEQCOD	DCW	#4 STATEMENT CODE AND SEQUENCE NUMBER	4		2096			42

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
448	2	106	PREFIX	DCW	#10 ENTIRE STATEMENT PREFIX	10		2106			42
449	2	107	W1	DCW	#1	1		2107			43
450	2	116	PUNCT	DCW	@#}@*-&)\$,@	9		2116			43
451	2	120	HASH	DCW	#4	4		2120			43
452	2	124	KB4	DCW	#4	4		2124			43
453	2	132	SX2C	DCW	#8	8		2132			43
454	2	133	NOP	NOP		1		2133	N		43
455	2	136	SX2D	DCW	#3	3		2136			43
456	2	139	SX2E	DCW	#3	3		2139			44
457	2	175	ERROR2	DCW	@MESSAGE 2 - OBJECT PROGRAM TOO LARGE@	36		2175			44
458	2	198	CONSTS	DCW	@CONSTANTS LOCATED FROM @	23		2198			45
459	2	200	W2H3	DCW	#2	2		2200			45
460	2	202	W2L3	DCW	#2	2		2202			45
461	2	203	KP1	DCW	&1	1		2203			45
462	2	208	W5C	DCW	#5	5		2208			45
463	2	209	HYPHEN	DCW	@-@	1		2209			45
464	2	212	KB3	DCW	#3	3		2212			45
465	2	216	TO	DCW	@ TO @	4		2216			46
466	2	222	SUBSCR	DCW	@SUBSCR@	6		2222			46
467	2	223	GMWM	DCW	@}@	1		2223		GMARK	46
468				ORG	201				0201		
469		203	DSA	LOADDD	LOAD ADDRESS FOR CARD-TO-TAPE PROGRAM	3		0203	849		47
470			EX	BEGINN					B 849		48
471			END						/ 000 080		

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
ARYSIZ	160	ARYSZW	2071	ARYTOP	194	BBACK	1414	BEGINN	849	BLANK	1704	BNDRY	848
BOTHSH	1671	BOTTOM	1776	CDOVLY	769	CLEARL	707	CLRBOT	833	CONSTS	2198	DIFF	845
ENDSTM	1746	ERROR2	2175	FOUND	1545	FPNUM	1693	GMWM	2223	GOTGM	1343	GOTPUN	1388
GOTUN6	1293	GOTUND	1309	HALT	1742	HASH	2120	HLOOP	1494	HYPHEN	2209	K0	2077
K16K	2082	KA0	2052	KB1	2092	KB3	2212	KB4	2124	KP0	2076	KP1	2203
KQ4	2054	LOADDD	849	LOADNX	700	LOADXX	793	LOOP	1210	NEGAR2	142	NEGAR3	157
NEGARY	163	NOARYS	1161	NOP	2133	NOTFND	1626	NUMFIN	1611	PHASID	110	PREFIX	2106
PUNCT	2116	S	2088	SAVTOP	1479	SCHPUN	1350	SCHUND	1259	SEQCOD	2096	SNAPSH	333
SUBSCR	2222	SX2	2057	SX2B	2091	SX2C	2132	SX2D	2136	SX2E	2139	TO	2216
TOOBIG	1712	TOPCOD	840	TOPCOR	688	TPREAD	780	W1	2107	W2H	2048	W2H2	2059
W2H3	2200	W2L	2050	W2L2	2061	W2L3	2202	W5	2066	W5B	2087	W5C	2208
X1	89	X2	94	X3	99	ZONES	2016						