

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
101			JOB		FORTRAN COMPILER -- RESORT 3 PHASE -- PHASE 49								
102			CTL		6611								
103			*										
104			*		THE SOURCE PROGRAM IS RESORTED BACK TO ITS ORIGINAL ORDER.								
105			*		THE STATEMENT NUMBER TABLE IS FILLED WITH THE CURRENT LOCATION								
106			*		OF EACH STATEMENT.								
107			*										
108			*		ON ENTRY X3 IS AT THE BOTTOM ENTRY IN THE SORT TABLE AND								
109			*		X2 IS ONE ABOVE THE COLON THAT MARKS THE TOP OF THE SORT TABLE.								
110			*										
111			X1	EQU	89						0089		
112			X2	EQU	94						0094		
113			X3	EQU	99						0099		
114			*										
115			*		STUFF IN THE RESIDENT AREA								
116			*										
117			SEQTAB	EQU	148						0148		
118			TOPCOR	EQU	688						0688		
119			*										
120				EXT00	SNAPSH, LOADNX, CDOVLY								MACRO
121			SNAPSH	EQU	333						0333		GEN
122			PHASLD	EQU	381						0381		GEN
123			SNAPEX	EQU	564						0564		GEN
124			LOADNX	EQU	700						0700		GEN
125			CDOVLY	EQU	700						0700		GEN
126			TPREAD	EQU	704						0704		GEN
127			TPERR	EQU	728						0728		GEN
128			*										
129				SFX	<								
130				EXT47									MACRO
131			TOPA	EQU	841						0841		GEN
132			SX3A	EQU	844						0844		GEN
133			TABBOT	EQU	847						0847		GEN
134			NEXT	EQU	850						0850		GEN
135			SX2	EQU	853						0853		GEN
136			SX3B	EQU	856						0856		GEN
137			W3	EQU	859						0859		GEN
138			TOPC	EQU	862						0862		GEN
139			SEQNO	EQU	865						0865		GEN
140			TOPC5	EQU	870						0870		GEN
141			TIMES6	EQU	875						0875		GEN
142			W5	EQU	880						0880		GEN
143			TOPB	EQU	883						0883		GEN
144			FLAG	EQU	884						0884		GEN
145			ADR5B	EQU	891						0891		GEN
146			ADR5	EQU	896						0896		GEN
147			CONV53	EQU	929						0929		GEN
148			CONV35	EQU	969						0969		GEN
149			FINDGM	EQU	1052						1052		GEN
150			TOOBIG	EQU	1092						1092		GEN

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
151			BEGN47	EQU	1175	<		1175		GEN			
152			* COPE WITH SUFFIX PROBLEMS -- SFX GOES IN SIXTH CHARACTER BUT A										
153			* LABEL CANNOT CONTAIN MORE THAN ONE BLANK										
154			SX2...	EQU	SX2	<		0853					
155			W3....	EQU	W3	<		0859					
156			W5....	EQU	W5	<		0880					
157			SFX										
158			SX1	EQU	SX3A < SX3A IN PREVIOUS PHASE			0844					
159			SX3A	EQU	SX2... SX2 IN PREVIOUS PHASE			0853					
160			SX3	EQU	SX3B < SX3B IN PREVIOUS PHASE			0856					
161			W3	EQU	W3....			0859					
162			W5	EQU	W5....			0880					
163			*										
164			SORTAB	EQU	TABEL SORT TABLE			2499					
165			*										
166			PHAS49	LDPH	RESORT TRI,LOADAD,BEGN49,,,49					MACRO			
			* PHAZ	LDPH	[PHASID],LOADAD,ENTAD[,SKIPFG,SKIP],[NUMBER][,HALT]					GEN			
			* XFR	PHASZ	PROHIBITED IN A MACRO					GEN			
			*										
			* LOAD	A	BLOCK					GEN			
			*										
167			)6J003	EQU	110 PHASE ID			0110		GEN			
168			)6K003	EQU	700 LOAD NEXT PHASE			0700		GEN			
169			)6L003	EQU	704 TAPE READ INSTRUCTION			0704		GEN			
170			)6M003	EQU	728 TAPE ERROR HANDLER			0728		GEN			
			*										
171				ORG	201				0201				
172			PHAS49	BSS	)8J003,G		5	0201	B 257 G	GEN	1	257	
173				NOP	TO PATCH IN TRAPS FOR DEBUGGING		1	0206	N	GEN	1		
174			)0J003	EQU	*&1			0207		GEN			
175				LCA	)9J003,)6J003		7	0207	L 282 110	GEN	1	282	110
176				BCE	)1J003,)6K003,1 Q: LOADING FROM CARDS?		8	0214	B 250 700 1	GEN	1	250	700
177				BCE	)1J003,)6L003&4,0 Q: LOADING FROM AUTOCODER TAPE?		8	0222	B 250 708 0	GEN	1	250	708
178				RTW	1,LOADAD READ THE BLOCK		8	0230	L %U1 /75 R	GEN	1	%U1	1175
179				BER	)6M003 Q: TAPE ERROR?		5	0238	B 728 L	GEN	2	728	
180				CS	BEGN49,)9R003 ENTER THE BLOCK		7	0243	/ /75 286	GEN	2	1175	286
181			)1J003	CS	)6K003,)9R003 LOAD CARDS OR AUTOCODER TAPE		7	0250	/ 700 286	GEN	2	700	286
182			)8J003	SW	)9R003		4	0257	, 286	GEN	2	286	
183				MU	%T0,)8K003,W		8	0261	M %T0 273 W	GEN	2	%T0	273
184				H	)0J003		4	0269	. 207	GEN	2	207	
185			)8K003	EQU	*&1			0273		GEN			
186			)9J003	DCW	@RESORT TRI@ PHASE ID		10	0282		GEN	3		
187				DCW	#1		1	0283		GEN	3		
188				DC	@49@ PHASE NUMBER		2	0285		GEN	3		
189			)9R003	DCW	@}@		1	0286		GEN	3		
190				XFR	PHAS49				B 201		4	201	
191			*										
192				ORG	BEGN47				1175				
193			LOADAD	EQU	*&1			1175					
194	1	175	BEGN49	SW	GM		4	1175	, M52		5	2452	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
195				CS	299 LOADING FROM CARDS OR AUTOCODER DOESN'T CLEAR	4		1179	/ 299		5	299	
196	1	446		LCA	K000,208 MOVED HERE FROM PHASE 47	7		1183	L M32 208		5	2432	208
197	1	179		B	*&8	4		1190	B S01		5	1201	
198	1	183	LOOP	SBR	X3,0-0	7		1194	H 099 000		5	099	000
199	1	190		SBR	NEXT <	4		1201	H 850		5	850	
200	1	194	MIDDLE	BCE	EMPTY,0&X3,	8		1205	B Z22 0?0		5	1922	000+3
201	1	202		SBR	LOOP&6,3&X3	7		1213	H S00 0?3		6	1200	003+3
202	1	209		MN	0&X3	4		1220	D 0?0		6	000+3	
203	1	213		SAR	*&7	4		1224	Q S34		6	1234	
204	1	217		BWZ	INDIR,0-0,S	8		1228	V Y18 000 S		6	1818	000
205	1	225		MCW	0&X3,X1	7		1236	M 0?0 089		6	000+3	089
206	1	232	INDIRB	SBR	TOPC <,0&X3	7		1243	H 862 0?0		6	862	000+3
207	1	239	INNER	MCW	X1,SX1A	7		1250	M 089 M39		7	089	2439
208	1	246		MCW	X1,X3	7		1257	M 089 099		7	089	099
209	1	253		B	FINDGM GET ADDRESS & 1 OF GM ABOVE STATEMENT	4		1264	B |52		7	1052	
210	1	257		MCW	X3,ADR5 <	7		1268	M 099 896		7	099	896
211	1	264		B	CONV35	4		1275	B 969		7	969	
212	1	268		MCW	ADR5B<,W5 ADDRESS &1 OF GM ABOVE STATEMENT	7		1279	M 891 880		7	891	880
213	1	275		A	K1,W5	7		1286	A M40 880		8	2440	880
214	1	282		MCW	SX1A,ADR5 < ADDRESS OF STATEMENT	7		1293	M M39 896		8	2439	896
215	1	289		B	CONV35	4		1300	B 969		8	969	
216	1	293		MCW	ADR5B<,W5B	7		1304	M 891 M34		8	891	2434
217	1	300		S	W5B,W5 LENGTH OF STATEMENT	7		1311	S M34 880		8	2434	880
218	1	307		MCW	X2,ADR5 <	7		1318	M 094 896		8	094	896
219	1	314		B	CONV35	4		1325	B 969		9	969	
220	1	318		MCW	ADR5B<,TOPC5< TOP OF TABLE & 2	7		1329	M 891 870		9	891	870
221	1	325		B	TEST	4		1336	B Y82		9	1882	
222	1	329		BL	MOVED1	5		1340	B Z63 T		9	1963	
223	1	334	NEWSTM	MCW	SX1A,X1	7		1345	M M39 089		9	2439	089
224	1	341		BCE	*&12,F1,1	8		1352	B T71 M35 1		9	1371	2435
225	1	349		A	K1,208	7		1360	A M40 208		10	2440	208
226	1	356		B	REPORT	4		1367	B V38		10	1538	
227			*										
228	1	360		MCW	K0,F1	7		1371	M M41 M35		10	2441	2435
229	1	367		MCW	X3,SX3B&6	7		1378	M 099 V37		10	099	1537
230	1	374		MCW	3&X1,X3	7		1385	M 0|3 099		10	003+1	099
231	1	381		MCW	0&X3,X3	7		1392	M 0?0 099		10	000+3	099
232	1	388		SBR	3&X1,4&X3	7		1399	H 0|3 0?4		11	003+1	004+3
233	1	395		MA	W3,3&X1	7		1406	# 859 0|3		11	859	003+1
234	1	402		MCW	X1,SX1B	7		1413	M 089 M44		11	089	2444
235	1	409	DEZONE	MZ	*-4,9&X3	7		1420	Y U22 0?9		11	1422	009+3
236	1	416		MZ	*-4,12&X3	7		1427	Y U29 0A2		11	1429	012+3
237	1	423		MZ	*-4,15&X3	7		1434	Y U36 0A5		12	1436	015+3
238	1	430		MZ	*-4,18&X3	7		1441	Y U43 0A8		12	1443	018+3
239	1	437		BCE	DEZONX,22&X3,	8		1448	B U95 0B2		12	1495	022+3
240	1	445		MCW	22&X3,X1	7		1456	M 0B2 089		12	022+3	089
241	1	452		MCW	0&X1,22&X3	7		1463	M 0|0 0B2		12	000+1	022+3
242	1	459		MA	K004,22&X3	7		1470	# M47 0B2		13	2447	022+3
243	1	466		MA	W3,22&X3	7		1477	# 859 0B2		13	859	022+3
244	1	473		MCW	0&X1,X3	7		1484	M 0 0 099		13	000+1	099

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245	1	480		B	DEZONE	4		1491	B U20		13	1420	
246	1	484	DEZONX	SBR	22&X3,4&X2	7		1495	H 0B2 0!4		13	022+3	004+2
247	1	491		MA	W3,22&X3	7		1502	# 859 0B2		13	859	022+3
248	1	498		MCW	SX1B,X1	7		1509	M M44 089		14	2444	089
249	1	505		BCE	*&8,0&X1,B	8		1516	B V31 0|0 B		14	1531	000+1
250	1	513		SBR	3&X1,918 ???	7		1524	H 0|3 918		14	003+1	918
251	1	520	SX3B	SBR	X3,0-0	7		1531	H 099 000		14	099	000
252	1	527	REPORT	MCW	W3,227	7		1538	M 859 227		14	859	227
253	1	534		MA	X2,227	7		1545	# 094 227		15	094	227
254	1	541		MCW	227,X3	7		1552	M 227 099		15	227	099
255	1	548		MCW	X3,ADR5 <	7		1559	M 099 896		15	099	896
256	1	555		B	CONV35 CONVERT ADR5 < TO ADR5B<	4		1566	B 969		15	969	
257	1	559		MCS	ADR5B<,244	7		1570	Z 891 244		15	891	244
258	1	566		MCW	X3,256	7		1577	M 099 256		15	099	256
259	1	573		MA	K004,256	7		1584	# M47 256		16	2447	256
260	1	580		W		1		1591	2		16		
261	1	581		BCV	*&5	5		1592	B W01 @		16	1601	
262	1	586		B	*&3	4		1597	B W03		16	1603	
263	1	590		CC	1	2		1601	F 1		16		
264	1	592		MCW	X2,LINK2&6	7		1603	M 094 X12		16	094	1712
265	1	599		BCE	ENDSTM,0&X1,} GM	8		1610	B W65 0|0 } GMARK		16	1665	000+1
266	1	607		MN	0&X2	4		1618	D 0!0		17	000+2	
267	1	611		SAR	X2	4		1622	Q 094		17	094	
268	1	615	MORE	MCM	0&X1	4		1626	P 0|0		17	000+1	
269	1	619		SAR	NEWX1&6	4		1630	Q W52		17	1652	
270	1	623		MCM	0&X1,1&X2 MOVE CODE DOWN	7		1634	P 0|0 0!1		17	000+1	001+2
271	1	630		MN		1		1641	D		17		
272	1	631		SBR	X2	4		1642	H 094		17	094	
273	1	635	NEWX1	SBR	X1,0-0	7		1646	H 089 000		18	089	000
274	1	642		BCE	MORE,0&X2,|	8		1653	B W26 0!0 |		18	1626	000+2
275	1	650		B	*&15	4		1661	B W79		18	1679	
276	1	654	ENDSTM	SBR	X1,1&X1	7		1665	H 089 0|1		18	089	001+1
277	1	661		MCW	BRANCH,SWITCH	7		1672	M M48 X20		18	2448	1720
278	1	668		BWZ	*&5,0&X1,2	8		1679	V W91 0|0 2		19	1691	000+1
279	1	676		B	LINK1	4		1687	B W99		19	1699	
280	1	680		BWZ	MARK,2&X1,2	8		1691	V X13 0|2 2		19	1713	002+1
281	1	688	LINK1	MCW	2&X1,X3 PREFIX IS ADDR OF STATEMENT NUMBER	7		1699	M 0|2 099		19	002+1	099
282	1	695	LINK2	SBR	0&X3,0-0 START OF STATEMENT TO STMT NUM TBL	7		1706	H 0?0 000		19	000+3	000
283	1	702	MARK	MCW	COLON,0&X1	7		1713	M M49 0|0		20	2449	000+1
284	1	709	SWITCH	NOP	ENDST2	4		1720	N X72		20	1772	
285	1	713		MN	0&X1	4		1724	D 0|0		20	000+1	
286	1	717		MN		1		1728	D		20		
287	1	718		SAR	X1	4		1729	Q 089		20	089	
288	1	722		MN	0&X2	4		1733	D 0!0		20	000+2	
289	1	726		SAR	*&7	4		1737	Q X47		20	1747	
290	1	730	SETWMS	LCA	0&X1,0&X2 SET WORD MARKS IN MOVED-DOWN CODE	7		1741	L 0|0 0!0		21	000+1	000+2
291	1	737		SBR	*-4	4		1748	H X47		21	1747	
292	1	741		C	0&X1	4		1752	C 0|0		21	000+1	
293	1	745		SAR	X1	4		1756	Q 089		21	089	
294	1	749		BCE	*&5,0&X1,} GM	8		1760	B X72 0|0 } GMARK		21	1772	000+1

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
295	1	757		B	SETWMS	4		1768	B X41		21	1741	
296			*										
297	1	761	ENDST2	MCW	NOP, SWITCH	7		1772	M M50 X20		21	2450	1720
298	1	768		C	NEXT <, TOPA <	7		1779	C 850 841		22	850	841
299	1	775		BU	CONTIN	5		1786	B Y06 /		22	1806	
300			*										
301	1	780	DONE	LCA	COLON, 0&X2	7		1791	L M49 0!0		22	2449	000+2
302	1	787		SBR	X3	4		1798	H 099		22	099	
303	1	810		B	LOADNX	4		1802	B 700		22	700	
304			*										
305	1	814	CONTIN	BCE	INDIR2, FLAG <, 1	8		1806	B Y50 884 1		22	1850	884
306	1	822		B	LOOP	4		1814	B /94		22	1194	
307			*										
308					* SORT TABLE ENTRY IS THE ADDRESS OF ANOTHER ONE								
309			*										
310	1	826	INDIR	MCW	0&X3, X3	7		1818	M 0?0 099		23	000+3	099
311	1	833		MCW	0&X3, X1	7		1825	M 0?0 089		23	000+3	089
312	1	840		SBR	NEWX3&3, 3&X3	7		1832	H Y60 0?3		23	1860	003+3
313	1	847		MCW	K1, FLAG <	7		1839	M M40 884		23	2440	884
314	1	854		B	INDIRB	4		1846	B S43		23	1243	
315			*										
316	1	858	INDIR2	MCW	K0, FLAG <	7		1850	M M41 884		23	2441	884
317	1	865	NEWX3	MCW	0-0, X1	7		1857	M 000 089		24	000	089
318	1	872		MCW	NEWX3&3, TOPC <	7		1864	M Y60 862		24	1860	862
319	1	879		MCW	K1, F1	7		1871	M M40 M35		24	2440	2435
320	1	886		B	INNER	4		1878	B S50		24	1250	
321			*										
322	1	890	TEST	SBR	TESTX&3	4		1882	H Z21		24	1921	
323	1	894		MCW	SX3, ADR5 <	7		1886	M 856 896		24	856	896
324	1	901		B	CONV35 CONVERT ADR5 < TO ADR5B<	4		1893	B 969		25	969	
325	1	905		MCW	ADR5B<, TIMES6	7		1897	M 891 875		25	891	875
326	1	912		S	TOPC5<, TIMES6	7		1904	S 870 875		25	870	875
327	1	919		C	W5, TIMES6	7		1911	C 880 875		25	880	875
328	1	926	TESTX	B	0-0	4		1918	B 000		25	000	
329			*										
330					* EMPTY CELL IN SORT TABLE								
331			*										
332	1	930	EMPTY	A	K1, 208	7		1922	A M40 208		25	2440	208
333	1	937		C	NEXT <, TOPA <	7		1929	C 850 841		26	850	841
334	1	944		BE	DONE	5		1936	B X91 S		26	1791	
335	1	949		SBR	X3, 3&X3	7		1941	H 099 0?3		26	099	003+3
336	1	956		SBR	NEXT <	4		1948	H 850		26	850	
337	1	960		B	MIDDLE	4		1952	B S05		26	1205	
338			*										
339	1	964	MOVED	SBR	SX3, 2&X3	7		1956	H 856 0?2		26	856	002+3
340	1	971	MOVED1	MCW	SX3, X3	7		1963	M 856 099		27	856	099
341	1	978		SBR	X3, 2&X3	7		1970	H 099 0?2		27	099	002+3
342	1	985		B	FINDGM	4		1977	B |52		27	1052	
343	1	989		BCE	MOVED, 0&X3, : COLON MEANS STATEMENT ALREADY MOVED	8		1981	B Z56 0?0 :		27	1956	000+3
344	1	997		B	TEST	4		1989	B Y82		27	1882	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
345	2	001		BL	*&5	5	1993	B !02	T		27	2002	
346	2	006		B	NEWSTM	4	1998	B T45			27	1345	
347			*										
348	2	010		SBR	SX2A&6,0&X2	7	2002	H M11	0!0		28	2411	000+2
349	2	017	TSTTOP	C	X3, TOPCOR	7	2009	C 099	688		28	099	688
350	2	024		BE	ATTOP	5	2016	B !36	S		28	2036	
351	2	029		SBR	X1, 3&X3	7	2021	H 089	0?3		28	089	003+3
352	2	036		BCE	NEXTAB,0&X1, } GM	8	2028	B !49	0|0 } GMARK		28	2049	000+1
353	2	044	ATTOP	B	TEST	4	2036	B Y82			28	1882	
354	2	048		BL	TOOBIG	5	2040	B |92	T		29	1092	
355	2	053		B	SX2A	4	2045	B M05			29	2405	
356	2	057	NEXTAB	SBR	X3, 4&X3	7	2049	H 099	0?4		29	099	004+3
357	2	064	NEXTB1	B	FINDGM	4	2056	B |52			29	1052	
358	2	068		C	0&X3, COLON	7	2060	C 0?0	M49		29	000+3	2449
359	2	075		BU	TSTTOP	5	2067	B !09	/		29	2009	
360	2	080		SBR	NEXTX1&6,0&X3	7	2072	H J38	0?0		29	2138	000+3
361	2	087		SBR	SX3A, 2&X3	7	2079	H 853	0?2		30	853	002+3
362	2	094		SBR	X3, 3&X3	7	2086	H 099	0?3		30	099	003+3
363	2	101	LOOP2	LCA	0&X1, 0&X3	7	2093	L 0|0	0?0		30	000+1	000+3
364	2	108		SAR	X1	4	2100	Q 089			30	089	
365	2	112		C	0&X3	4	2104	C 0?0			30	000+3	
366	2	116		SAR	X3	4	2108	Q 099			30	099	
367	2	120		BCE	*&5, 0&X1, } GM	8	2112	B J24	0|0 } GMARK		31	2124	000+1
368	2	128		B	LOOP2	4	2120	B !93			31	2093	
369	2	132		MN	0&X1	4	2124	D 0|0			31	000+1	
370	2	136		SAR	SX1	4	2128	Q 844			31	844	
371	2	140	NEXTX1	SBR	X1, 0-0	7	2132	H 089	000		31	089	000
372	2	147		BWZ	*&5, 1&X1, S	8	2139	V J51	0|1 S		31	2151	001+1
373	2	155		B	*&8	4	2147	B J58			31	2158	
374	2	159		MCW	K1, F2	7	2151	M M40	M36		32	2440	2436
375	2	166		BWZ	*&5, 0&X1, 2	8	2158	V J70	0|0 2		32	2170	000+1
376	2	174		B	*&9	4	2166	B J78			32	2178	
377	2	178		BWZ	*&19, 2&X1, 2	8	2170	V J96	0|2 2		32	2196	002+1
378	2	186		MCW	2&X1, X1	7	2178	M 0|2	089		32	002+1	089
379	2	193		MCW	0&X1, X2	7	2185	M 0|0	094		33	000+1	094
380	2	200		B	*&8	4	2192	B K03			33	2203	
381	2	204		MCW	2&X1, X2	7	2196	M 0|2	094		33	002+1	094
382	2	211		SBR	SEQNO<, 0&X2	7	2203	H 865	0!0		33	865	000+2
383	2	218		SBR	*&14	4	2210	H K27			33	2227	
384	2	222		MZ	X2ZONE, *&6	7	2214	Y M51	K26		33	2451	2226
385	2	229		SBR	X2, 0-0	7	2221	H 094	000		34	094	000
386	2	236		MCW	SEQNO<, *&14	7	2228	M 865	K48		34	865	2248
387	2	243		MZ	X2ZONE, *&6	7	2235	Y M51	K47		34	2451	2247
388	2	250		SBR	X2, 0-0	7	2242	H 094	000		34	094	000
389	2	257		BWZ	*&12, SORTAB-1&X2, S	8	2249	V K68	MR8 S		34	2268	2498+2
390	2	265		SBR	SORTAB&X2, 1&X3	7	2257	H MR9	0?1		35	2499+2	001+3
391	2	272		B	SKIP2	4	2264	B L08			35	2308	
392	2	276		MCW	SORTAB&X2, X1	7	2268	M MR9	089		35	2499+2	089
393	2	283		BCE	*&12, F2, 1	8	2275	B K94	M36 1		35	2294	2436
394	2	291		SBR	3&X1, 1&X3	7	2283	H 0|3	0?1		35	003+1	001+3

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
395	2	298		B	*&15	4		2290	B L08		35	2308	
396	2	302		SBR	0&X1,1&X3	7		2294	H 0|0 0?1		36	000+1	001+3
397	2	309		MCW	K0,F2	7		2301	M M41 M36		36	2441	2436
398	2	316	SKIP2	C	SX1,SX3	7		2308	C 844 856		36	844	856
399	2	323		BE	LOOP2X	5		2315	B L48 S		36	2348	
400	2	328		MCW	SX1,X1	7		2320	M 844 089		36	844	089
401	2	335		MN	0&X3	4		2327	D 0?0		36	000+3	
402	2	339		MN		1		2331	D		36		
403	2	340		MN		1		2332	D		37		
404	2	341		SAR	NEXTX1&6	4		2333	Q J38		37	2138	
405	2	345		SBR	X1,1&X1	7		2337	H 089 0|1		37	089	001+1
406	2	352		B	LOOP2	4		2344	B !93		37	2093	
407	2	356	LOOP2X	LCA	GM,0&X3	7		2348	L M52 0?0		37	2452	000+3
408	2	363		SBR	SX3	4		2355	H 856		37	856	
409	2	367		C	SEQTAB,SX3A	7		2359	C 148 853		37	148	853
410	2	374		BE	ATBOT	5		2366	B L96 S		38	2396	
411	2	379		MCW	SX3A,X3	7		2371	M 853 099		38	853	099
412	2	386		SBR	X1,1&X3	7		2378	H 089 0?1		38	089	001+3
413	2	393		SBR	X3,2&X3	7		2385	H 099 0?2		38	099	002+3
414	2	400		B	NEXTB1	4		2392	B !56		38	2056	
415				*									
416				*	AT BOTTOM OF SORT TABLE								
417				*									
418	2	404	ATBOT	B	TEST	4		2396	B Y82		38	1882	
419	2	408		BL	TOOBIG	5		2400	B |92 T		38	1092	
420	2	413	SX2A	SBR	X2,0-0	7		2405	H 094 000		39	094	000
421	2	420		MCW	TOPC <,X3	7		2412	M 862 099		39	862	099
422	2	427		MCW	0&X3,SX1A	7		2419	M 0?0 M39		39	000+3	2439
423	2	434		B	NEWSTM	4		2426	B T45		39	1345	
424				*									
425				*	DATA								
426				*									
427	2	442	W5B	DCW	00000	5		2434			39		
428			K000	EQU	W5B-2 MOVED HERE FROM PHASE 47			2432					
429	2	443	F1	DCW	0	1		2435			39		
430	2	444	F2	DCW	0	1		2436			39		
431	2	447	SX1A	DCW	#3	3		2439			40		
432	2	448	K1	DCW	1	1		2440			40		
433	2	449	K0	DCW	0	1		2441			40		
434	2	452	SX1B	DCW	#3	3		2444			40		
435	2	455	K004	DSA	4	3		2447	004		40	004	
436	2	456	BRANCH	B		1		2448	B		40		
437	2	457	COLON	DCW	@:@	1		2449			40		
438	2	458	NOP	NOP		1		2450	N		41		
439	2	467	X2ZONE	DCW	@R@	1		2451			41		
440	2	468	GM	DC	@}@	1		2452		GMARK	41		
441	2	469	GMWM	DCW	@}@	1		2453		GMARK	41		
442				ORG	*&X00				2500				
443	*		TABEL	EQU	*			2499					
444				XFR	BEGN49				B /75		42	1175	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
445			CLRME	CLRA	BEGN49,GMWM,C					MACRO			
			*	CLRA	CLRBOT,CLRTOP[,SS,HERE,GWMAD]					GEN			
			*							GEN			
			*		CLEAR CORE AFTER A PHASE USING THE CLRTOP ADDRESS					GEN			
			*							GEN			
446				ORG	201				0201				
			*							GEN			
			*		CLEAR DOWN TO CLRBOT & X00 THE EASY WAY					GEN			
			*							GEN			
447			CLRME	EQU	*&1			0201					
448				BSS	SNAPSH,C	5		0201	B 333 C	GEN	43	333	
449			)0J004	CS	GMWM CLEAR FROM CLRTOP	4		0206	/ M53	GEN	43	2453	
450				SBR	)0J004&3	4		0210	H 209	GEN	43	209	
451				SBR	)0L004&6	4		0214	H 255	GEN	43	255	
452				C	)0J004&3,)0M004 DOWN TO CLRBOT & X00?	7		0218	C 209 266	GEN	43	209	266
453				BU	)0J004	5		0225	B 206 /	GEN	43	206	
			*							GEN			
			*		NOW CLEAR DOWN TO CLRBOT THE HARD WAY					GEN			
			*							GEN			
454			)0K004	C	)0L004&6,)0N004	7		0230	C 255 269	GEN	43	255	269
455				BU	)0L004	5		0237	B 249 /	GEN	44	249	
456				CS	LOADNX,)0Q004 LOAD THE NEXT BLOCK AT 1	7		0242	/ 700 276	GEN	44	700	276
457			)0L004	LCA	)0P004,0-0 CLEAR WITH BLANK AND WORD MARK	7		0249	L 270 000	GEN	44	270	000
458				SBR	)0L004&6	4		0256	H 255	GEN	44	255	
459				B	)0K004	4		0260	B 230	GEN	44	230	
460			)0M004	DSA	)0R004 CLRBOT & X00 - 1	3		0266	/99	GEN	44	1199	
461			)0N004	DSA	BEGN49 CLRBOT	3		0269	/75	GEN	44	1175	
462			)0P004	DCW	#1	1		0270		GEN	45		
463				DC	@CLRA @ IDENTIFY IN A DECK, TAPE, OR DUMP	5		0275		GEN	45		
464			)0Q004	DCW	@}@	1		0276		GEN	45		
465				ORG	BEGN49&X00				1200				
466			)0R004	EQU	* CLRBOT & X00 - 1			1199		GEN			
467				XFR	CLRME				B 201		46	201	

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)0J003	0207: 0	)0J004	0206: 0	)0K004	0230: 0	)0L004	0249: 0	)0M004	0266: 0	)0N004	0269: 0
)0P004	0270: 0	)0Q004	0276: 0	)0R004	1199: 0	)1J003	0250: 0	)6J003	0110: 0	)6K003	0700: 0
)6L003	0704: 0	)6M003	0728: 0	)8J003	0257: 0	)8K003	0273: 0	)9J003	0282: 0	)9R003	0286: 0
ADR5 <	0896: 0	ADR5B<	0891: 0	ATBOT	2396: 0	ATTOP	2036: 0	BEGN47	1175: 0	BEGN49	1175: 0
BRANCH	2448: 0	CDOVLY	0700: 0	CLRME	0201: 0	COLON	2449: 0	CONTIN	1806: 0	CONV35	0969: 0
CONV53	0929: 0	DEZONE	1420: 0	DEZONX	1495: 0	DONE	1791: 0	EMPTY	1922: 0	ENDST2	1772: 0
ENDSTM	1665: 0	F1	2435: 0	F2	2436: 0	FINDGM	1052: 0	FLAG <	0884: 0	GM	2452: 0
GMWM	2453: 0	INDIR	1818: 0	INDIR2	1850: 0	INDIRB	1243: 0	INNER	1250: 0	K0	2441: 0
K000	2432: 0	K004	2447: 0	K1	2440: 0	LINK1	1699: 0	LINK2	1706: 0	LOADAD	1175: 0
LOADNX	0700: 0	LOOP	1194: 0	LOOP2	2093: 0	LOOP2X	2348: 0	MARK	1713: 0	MIDDLE	1205: 0
MORE	1626: 0	MOVED	1956: 0	MOVED1	1963: 0	NEWSTM	1345: 0	NEWX1	1646: 0	NEWX3	1857: 0
NEXT <	0850: 0	NEXTAB	2049: 0	NEXTB1	2056: 0	NEXTX1	2132: 0	NOP	2450: 0	PHAS49	0201: 0
PHASLD	0381: 0	REPORT	1538: 0	SEQNO<	0865: 0	SEQTAB	0148: 0	SETWMS	1741: 0	SKIP2	2308: 0
SNAPEX	0564: 0	SNAPSH	0333: 0	SORTAB	2499: 0	SWITCH	1720: 0	SX1	0844: 0	SX1A	2439: 0
SX1B	2444: 0	SX2 <	0853: 0	SX2...	0853: 0	SX2A	2405: 0	SX3	0856: 0	SX3A	0853: 0
SX3A <	0844: 0	SX3B	1531: 0	SX3B <	0856: 0	TABBOT	0847: 0	TABEL	2499: 0	TEST	1882: 0
TESTX	1918: 0	TIMES6	0875: 0	TOOBIG	1092: 0	TOPA <	0841: 0	TOPB <	0883: 0	TOPC <	0862: 0
TOPC5<	0870: 0	TOPCOR	0688: 0	TPERR	0728: 0	TPREAD	0704: 0	TPSTOP	2009: 0	W3	0859: 0
W3 <	0859: 0	W3....	0859: 0	W5	0880: 0	W5 <	0880: 0	W5....	0880: 0	W5B	2434: 0
X1	0089: 0	X2	0094: 0	X2ZONE	2451: 0	X3	0099: 0				

UNREFERENCED SYMBOLS

CDOVLY CONV53 PHASLD SNAPEX TABBOT TOPB < TPERR TPREAD