

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
101			JOB		FORTRAN COMPILER -- RESORT 2 PHASE -- PHASE 48								
102			CTL		6611								
103			*										
104			*		THE RESORT TABLE IS FILLED WITH THE CURRENT LOCATION								
105			*		OF EACH STATEMENT.								
106			*										
107			*		ON ENTRY, X1 AND X2 ARE THE BOTTOM OF THE PREFIX OF THE								
108			*		BOTTOMMOST STATEMENT IN HIGH CORE, AND X3 IS THE BOTTOM								
109			*		OF THE BOTTOMMOST STATEMENT IN HIGH CORE.								
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			NSTMTS	EQU	183						0183		
119			*		NUMBER OF STATEMENTS, INCLUDING GENERATED STOP								
120			*		BEGINNING OF GENERATED CODE ON EXIT.								
121			EXT00		SNAPSH, LOADNX, CDOVLY								MACRO
122			SNAPSH	EQU	333						0333		GEN
123			PHASLD	EQU	381						0381		GEN
124			SNAPEX	EQU	564						0564		GEN
125			LOADNX	EQU	700						0700		GEN
126			CDOVLY	EQU	700						0700		GEN
127			TPREAD	EQU	704						0704		GEN
128			TPERR	EQU	728						0728		GEN
129			*										
130			EXT47		STUFF IN RESORT ONE PHASE -- 47								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			EXT49		STUFF IN RESORT THREE PHASE -- 49					MACRO			
153			TABEL	EQU	2499			2499		GEN			
154			*										
155			SORTAB	EQU	TABEL SORT TABLE			2499					
156			*										
157			PHAS48	LDPH	RESORT TWO,LOADAD,BEGN48,,,48					MACRO			
			* PHAZ	LDPH	[PHASID],LOADAD,ENTAD[,SKIPFG,SKIP],[NUMBER][,HALT]					GEN			
			*	XFR	PHASZ PROHIBITED IN A MACRO					GEN			
			*							GEN			
			* LOAD A BLOCK							GEN			
			*							GEN			
158			)6J004	EQU	110 PHASE ID			0110		GEN			
159			)6K004	EQU	700 LOAD NEXT PHASE			0700		GEN			
160			)6L004	EQU	704 TAPE READ INSTRUCTION			0704		GEN			
161			)6M004	EQU	728 TAPE ERROR HANDLER			0728		GEN			
			*							GEN			
162				ORG	201				0201				
163			PHAS48	EQU	*&1			0201		GEN			
164				LCA	)9J004,)6J004	7		0201	L 253 110	GEN	1	253	110
165				BCE	)6K004,)6K004,1	8		0208	B 700 700 1	GEN	1	700	700
166				BCE	)6K004,)6L004&4,0	8		0216	B 700 708 0	GEN	1	700	708
167				RTW	1,LOADAD	8		0224	L %U1 /75 R	GEN	1	%U1	1175
168				BER	)6M004	5		0232	B 728 L	GEN	1	728	
169				CS	BEGN48,)9R004	7		0237	/ /75 257	GEN	2	1175	257
170			)9J004	DCW	@RESORT TWO@	10		0253		GEN	2		
171				DC	#1	1		0254		GEN	2		
172				DC	@48@	2		0256	PHASE NUMBER	GEN	2		
173			)9R004	DCW	@}@	1		0257		GEN	2		
174				XFR	PHAS48				B 201		3	201	
175			*										
176				ORG	BEGN47				1175				
177			LOADAD	EQU	*&1			1175		LOAD ADDRESS			
178	1	175	BEGN48	MCW	TOPB,X3	7		1175	M 883 099		4	883	099
179	1	182		B	FIRST	4		1182	B S25		4	1225	
180	1	186	LOOP	SBR	X2,2&X2	7		1186	H 094 0!2		4	094	002+2
181	1	193		MZ	X3,SX3A	7		1193	Y 099 844		4	099	844
182	1	200		MCW	X2,X3	7		1200	M 094 099		4	094	099
183	1	207		B	FINDGM	4		1207	B  52		4	1052	
184	1	211		MCW	X3,X2	7		1211	M 099 094		5	099	094
185	1	218		MCW	SX3A,X3	7		1218	M 844 099		5	844	099
186	1	225	FIRST	SBR	SX2,2&X2	7		1225	H 853 0!2		5	853	002+2
187	1	232		BWZ	*&5,0&X2,2	8		1232	V S44 0!0 2		5	1244	000+2
188	1	240		B	*&9	4		1240	B S52		5	1252	
189	1	244		BWZ	*&19,2&X2,2	8		1244	V S70 0!2 2		6	1270	002+2
190	1	252		MCW	2&X2,X2	7		1252	M 0!2 094		6	002+2	094
191	1	259		MCW	0&X2,X2 GET SEQUENCE NUMBER FROM TABLE TO X2	7		1259	M 0!0 094		6	000+2	094
192	1	266		B	*&8	4		1266	B S77		6	1277	
193	1	270		MCW	2&X2,X2 GET SEQUENCE NUMBER TO X2	7		1270	M 0!2 094		6	002+2	094
194	1	277		SBR	SEQNO,0&X2	7		1277	H 865 0!0		7	865	000+2

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
195	1	284		SBR	*&14	4		1284	H T01		7	1301	
196	1	288		MZ	X2ZONE, *&6	7		1288	Y W41 T00		7	1641	1300
197	1	295		SBR	X2, 0	7		1295	H 094 000		7	094	000
198	1	302		MCW	SEQNO, *&14	7		1302	M 865 T22		7	865	1322
199	1	309		MZ	X2ZONE, *&6	7		1309	Y W41 T21		7	1641	1321
200	1	316		SBR	X2, 0 DOUBLE SEQUENCE NUMBER THE HARD WAY???	7		1316	H 094 000		8	094	000
201	1	323		C	SORTAB&X2, KB3 SORT TABLE ENTRY EMPTY?	7		1323	C MR9 W44		8	2499+2	1644
202	1	330		BU	*&12 NO	5		1330	B T46 /		8	1346	
203	1	335		MCW	X1, SORTAB&X2	7		1335	M 089 MR9		8	089	2499+2
204	1	342		B	LINKED	4		1342	B T96		8	1396	
205	1	346		SW	3&X3 LINK ANOTHER STATEMENT	4		1346	, 0?3		8	003+3	
206	1	350		MCW	SORTAB&X2, 5&X3 OF THE SAME SEQUENCE NUMBER	7		1350	M MR9 0?5		9	2499+2	005+3
207	1	357		CW	3&X3 TO THE TABLE. THIS CAN	4		1357	) 0?3		9	003+3	
208	1	361		MCW	X1, 2&X3 HAPPEN WITH	7		1361	M 089 0?2		9	089	002+3
209	1	368		MCW	K1, FLAG DO STATEMENTS	7		1368	M W45 884		9	1645	884
210	1	375		SBR	SORTAB&X2, 2&X3	7		1375	H MR9 0?2		9	2499+2	002+3
211	1	382		MZ	X1ZONE, SORTAB-1&X2 MARK FIRST AS LINKED	7		1382	Y W46 MR8		9	1646	2498+2
212	1	389		SBR	X3, 6&X3	7		1389	H 099 0?6		10	099	006+3
213	1	396	LINKED	MCW	SX2, X2	7		1396	M 853 094		10	853	094
214	1	403		C	SEQTAB, SX2	7		1403	C 148 853		10	148	853
215	1	410		BU	WHAT	5		1410	B V76 /		10	1576	
216	1	415		BCE	ONE, FLAG, 0	8		1415	B U48 884 0		10	1448	884
217	1	423		MCW	K0, FLAG	7		1423	M W47 884		11	1647	884
218	1	430		MCW	X1, X3	7		1430	M 089 099		11	089	099
219	1	437		B	FINDGM	4		1437	B  52		11	1052	
220	1	441		MZ	X1ZONE, 1&X3	7		1441	Y W46 0?1		11	1646	001+3
221	1	448	ONE	MCW	TOPC, X2	7		1448	M 862 094		11	862	094
222	1	455		LCA	COLON, 0&X2	7		1455	L W48 0!0		11	1648	000+2
223	1	462		MCW	TABBOT, X3	7		1462	M 847 099		12	847	099
224	1	469		SBR	X3, 3&X3	7		1469	H 099 0?3		12	099	003+3
225	1	476		MCW	86, ADR5	7		1476	M 086 896		12	086	896
226	1	483		B	CONV35	4		1483	B 969		12	969	
227	1	487		MCW	ADR5B, TOPC5	7		1487	M 891 870		12	891	870
228	1	494		SBR	ADR5, 0&X2	7		1494	H 896 0!0		12	896	000+2
229	1	501		B	CONV35	4		1501	B 969		13	969	
230	1	505		MCW	ADR5B, TIMES6	7		1505	M 891 875		13	891	875
231	1	512		S	TIMES6, TOPC5	7		1512	S 875 870		13	875	870
232	1	519		BM	*&5, TOPC5	8		1519	V V31 870 K		13	1531	870
233	1	527		B	*&8	4		1527	B V38		13	1538	
234	1	531		A	K16K, TOPC5	7		1531	A W53 870		13	1653	870
235	1	538		MCW	TOPC5, ADR5	7		1538	M 870 896		14	870	896
236	1	545		B	CONV53	4		1545	B 929		14	929	
237	1	549		MCW	ADR5, W3	7		1549	M 896 859		14	896	859
238	1	556		SBR	X2, 1&X2	7		1556	H 094 0!1		14	094	001+2
239	1	563		SBR	NSTMTS	4		1563	H 183		14	183	
240	1	567		BSS	SNAPSH, C	5		1567	B 333 C		14	333	
241	1	586		B	LOADNX	4		1572	B 700		14	700	
242			*										
243	1	590	WHAT	MCW	X3, SX3A	7		1576	M 099 844		15	099	844
244	1	597		MCW	X1, X3	7		1583	M 089 099		15	089	099

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
245	1	604		B	FINDGM GET UP TO NEXT STATEMENT	4		1590	B  52		15	1052	
246	1	608		MCW	X3,X1	7		1594	M 099 089		15	099	089
247	1	615		MCW	SX3A,X3	7		1601	M 844 099		15	844	099
248	1	622		BCE	ONEB,FLAG,0	8		1608	B W30 884 0		16	1630	884
249	1	630		MCW	K0,FLAG	7		1616	M W47 884		16	1647	884
250	1	637		MZ	X1ZONE,1&X1	7		1623	Y W46 0 1		16	1646	001+1
251	1	644	ONEB	SBR	X1,4&X1	7		1630	H 089 0 4		16	089	004+1
252	1	651		B	LOOP	4		1637	B /86		16	1186	
253				*									
254				*	DATA								
255				*									
256	1	655	X2ZONE	DCW	@R@	1		1641			16		
257	1	658	KB3	DCW	#3	3		1644			16		
258	1	659	K1	DCW	1	1		1645			17		
259	1	660	X1ZONE	DCW	@Z@	1		1646			17		
260	1	661	K0	DCW	0	1		1647			17		
261	1	662	COLON	DCW	@:@	1		1648			17		
262	1	667	K16K	DCW	16000	5		1653			17		
263	1	676	GMWM	DCW	@}@	1		1654		GMARK	17		
264				XFR	BEGN48				B /75		18	1175	
265			CLRME	CLRA	BEGN48,GMWM					MACRO			
				CLRA	CLRBOT,CLRTOP[,ORG,GMWMAD]					GEN			
				*						GEN			
				*	CLEAR CORE AFTER A PHASE USING THE CLRTOP ADDRESS					GEN			
				*						GEN			
266				ORG	201				0201				
				*						GEN			
				*	CLEAR DOWN TO CLRBOT & X00 THE EASY WAY					GEN			
				*						GEN			
267			CLRME	EQU	*&1			0201					
268			)0J005	CS	GMWM CLEAR FROM CLRTOP	4		0201	/ W54		19	1654	
269				SBR	)0J005&3	4		0205	H 204		19	204	
270				SBR	)0L005&6	4		0209	H 250		19	250	
271				C	)0J005&3,)0M005 DOWN TO CLRBOT & X00?	7		0213	C 204 261		19	204	261
272				BU	)0J005	5		0220	B 201 /		19	201	
				*						GEN			
				*	NOW CLEAR DOWN TO CLRBOT THE HARD WAY					GEN			
				*						GEN			
273			)0K005	C	)0L005&6,)0N005	7		0225	C 250 264		19	250	264
274				BU	)0L005	5		0232	B 244 /		19	244	
275				CS	LOADNX,)0Q005 LOAD THE NEXT BLOCK AT 1	7		0237	/ 700 271		20	700	271
276			)0L005	LCA	)0P005,0-0 CLEAR WITH BLANK AND WORD MARK	7		0244	L 265 000		20	265	000
277				SBR	)0L005&6	4		0251	H 250		20	250	
278				B	)0K005	4		0255	B 225		20	225	
279			)0M005	DSA	)0R005 CLRBOT & X00 - 1	3		0261	/99		20	1199	
280			)0N005	DSA	BEGN48 CLRBOT	3		0264	/75		20	1175	
281			)0P005	DCW	#1	1		0265			20		
282				DC	@CLRA @ IDENTIFY IN A DECK, TAPE, OR DUMP	5		0270			20		
283			)0Q005	DCW	@}@	1		0271			21		
284				ORG	BEGN48&X00				1200				

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
285			)OR005	EQU	* CLRBOT & X00 - 1			1199		GEN			
286				XFR	CLRME				B 201		22	201	

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)OJ005	0201: 0	)OK005	0225: 0	)OL005	0244: 0	)OM005	0261: 0	)ON005	0264: 0	)OP005	0265: 0
)OQ005	0271: 0	)OR005	1199: 0	)6J004	0110: 0	)6K004	0700: 0	)6L004	0704: 0	)6M004	0728: 0
)9J004	0253: 0	)9R004	0257: 0	ADR5	0896: 0	ADR5B	0891: 0	BEGN47	1175: 0	BEGN48	1175: 0
CDOVLY	0700: 0	CLRME	0201: 0	COLON	1648: 0	CONV35	0969: 0	CONV53	0929: 0	FINDGM	1052: 0
FIRST	1225: 0	FLAG	0884: 0	GMWM	1654: 0	K0	1647: 0	K1	1645: 0	K16K	1653: 0
KB3	1644: 0	LINKED	1396: 0	LOADAD	1175: 0	LOADNX	0700: 0	LOOP	1186: 0	NEXT	0850: 0
NSTMTS	0183: 0	ONE	1448: 0	ONEB	1630: 0	PHAS48	0201: 0	PHASLD	0381: 0	SEQNO	0865: 0
SEQTAB	0148: 0	SNAPEX	0564: 0	SNAPSH	0333: 0	SORTAB	2499: 0	SX2	0853: 0	SX3A	0844: 0
SX3B	0856: 0	TABBOT	0847: 0	TABEL	2499: 0	TIMES6	0875: 0	TOOBIG	1092: 0	TOPA	0841: 0
TOPB	0883: 0	TOPC	0862: 0	TOPC5	0870: 0	TPERR	0728: 0	TPREAD	0704: 0	W3	0859: 0
W5	0880: 0	WHAT	1576: 0	X1	0089: 0	X1ZONE	1646: 0	X2	0094: 0	X2ZONE	1641: 0
X3	0099: 0										

## UNREFERENCED SYMBOLS

CDOVLY NEXT PHASLD SNAPEX SX3B TOOBIG TOPA TPERR TPREAD W5