

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
101			JOB		FORTRAN COMPILER -- RESORT 4 PHASE -- PHASE 50A								
102			CTL		6611								
103			*										
104			*		THE STATEMENTS ARE RELOCATED TO THE POSITIONS THEY WILL OCCUPY								
105			*		AT OBJECT TIME. THE STATEMENT NUMBER TABLE IS ADJUSTED TO								
106			*		TO SHOW THE OBJECT TIME LOCATIONS OF THE STATEMENTS.								
107			*										
108			*		ON ENTRY X3 IS AT THE TOP OF THE MOVED-DOWN CODE.								
109			*										
110			X1	EQU	89						0089		
111			X2	EQU	94						0094		
112			X3	EQU	99						0099		
113			*										
114			*		STUFF IN THE RESIDENT AREA								
115			*										
116			TBLBOT	EQU	145				ONE BELOW NUMBERS, FORMATS, I/O LISTS		0145		
117			SEQTAB	EQU	148				BOTTOM OF SEQUENCE NUMBER TABLE - 2		0148		
118			NSTMTS	EQU	183				NUMBER OF STATEMENTS, INCLUDING GENERATED STOP		0183		
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				CARD OVERLAY UNLESS NOP		0700		GEN
125			CDOVLY	EQU	700				1 IF LOADING FROM CARDS, N IF FROM TAPE		0700		GEN
126			TPREAD	EQU	704				LOAD OVERLAY FROM TAPE		0704		GEN
127			TPERR	EQU	728						0728		GEN
128			*										
129			SFX	<									
130			EXT47		STUFF FROM RESORT ONE PHASE -- 47							MACRO	
131			TOPA	EQU	841				TABBOT PLUS 3 X NUMBER OF STATEMENTS	<	0841		GEN
132			SX3A	EQU	844				USED ONLY IN PHASE 48 AND 49	<	0844		GEN
133			TABBOT	EQU	847				BOTTOM OF RESORT TABLE	<	0847		GEN
134			NEXT	EQU	850				USED ONLY IN PHASE 49	<	0850		GEN
135			SX2	EQU	853				USED ONLY IN PHASE 48 AND 49	<	0853		GEN
136			SX3B	EQU	856					<	0856		GEN
137			W3	EQU	859				USED ONLY IN PHASE 48 AND 49	<	0859		GEN
138			TOPC	EQU	862				TABBOT PLUS 3 X NUMBER OF STATEMENTS PLUS 1	<	0862		GEN
139			SEQNO	EQU	865				USED ONLY IN PHASE 48 AND 49	<	0865		GEN
140			TOPC5	EQU	870				TOPC AS FIVE DIGITS	<	0870		GEN
141			TIMES6	EQU	875				DOCNT TIMES 6	<	0875		GEN
142			W5	EQU	880				USED ONLY IN PHASE 49	<	0880		GEN
143			TOPB	EQU	883				TABBOT PLUS 3 X NUMBER OF STATEMENTS PLUS 1	<	0883		GEN
144			FLAG	EQU	884				USED ONLY IN PHASE 48 AND 49	<	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			W3....	EQU	W3	<		0859					
155					SFX								
156			*										
157			W3	EQU	W3....			0859					
158			*										
159			PHS50A	LDPH	RESORT FOR,LOADAD,BEG50A,,,50A					MACRO			
			*	PHAZ	LDPH [PHASID],LOADAD,ENTAD[,SKIPFG,SKIP],[NUMBER][,HALT]					GEN			
			*	XFR	PHASZ PROHIBITED IN A MACRO					GEN			
			*							GEN			
			*	LOAD	A BLOCK					GEN			
			*							GEN			
160			)6J003	EQU	110 PHASE ID			0110		GEN			
161			)6K003	EQU	700 LOAD NEXT PHASE			0700		GEN			
162			)6L003	EQU	704 TAPE READ INSTRUCTION			0704		GEN			
163			)6M003	EQU	728 TAPE ERROR HANDLER			0728		GEN			
			*							GEN			
164				ORG	201				0201				
165			PHS50A	EQU	*&1			0201		GEN			
166				LCA	)9J003,)6J003		7	0201	L 253 110	GEN	1	253	110
167				BCE	)6K003,)6K003,1	Q: LOADING FROM CARDS?	8	0208	B 700 700 1	GEN	1	700	700
168				BCE	)6K003,)6L003&4,0	Q: LOADING FROM AUTOCODER TAPE?	8	0216	B 700 708 0	GEN	1	700	708
169				RTW	1,LOADAD	READ THE BLOCK	8	0224	L %U1 /75 R	GEN	1	%U1	1175
170				BER	)6M003	Q: TAPE ERROR?	5	0232	B 728 L	GEN	1	728	
171				CS	BEG50A,)9R003	ENTER THE BLOCK	7	0237	/ /75 258	GEN	2	1175	258
172			)9J003	DCW	@RESORT FOR@	PHASE ID	10	0253		GEN	2		
173				DC	#1		1	0254		GEN	2		
174				DC	@50A@	PHASE NUMBER	3	0257		GEN	2		
175			)9R003	DCW	@}@		1	0258		GEN	2		
176				XFR	PHS50A				B 201		3	201	
177			*										
178				ORG	BEGN47				1175				
179			LOADAD	EQU	*&1			1175					
180	1	175	BEG50A	MCW	SEQTAB,X1		7	1175	M 148 089		4	148	089
181	1	182		SBR	X1,1&X1		7	1182	H 089 0|1		4	089	001+1
182	1	189		C	TBLBOT,X1		7	1189	C 145 089		4	145	089
183	1	196		BE	ATBOT		5	1196	B S60 S		4	1260	
184	1	201	LOOP	SBR	X1,3&X1		7	1201	H 089 0|3		4	089	003+1
185	1	208		MCW	0&X1,X2		7	1208	M 0|0 094		5	000+1	094
186	1	215		BWZ	*&12,X2-1,2		8	1215	V S34 093 2		5	1234	093
187	1	223		MCW	0&X2,0&X1		7	1223	M 0!0 0|0		5	000+2	000+1
188	1	230		B	TSTBOT		4	1230	B S48		5	1248	
189	1	234		MA	W3,X2		7	1234	# 859 094		5	859	094
190	1	241		MCW	X2,0&X1		7	1241	M 094 0|0		6	094	000+1
191	1	248	TSTBOT	C	X1,TBLBOT		7	1248	C 089 145		6	089	145
192	1	255		BU	LOOP		5	1255	B S01 /		6	1201	
193	1	260	ATBOT	MCW	W3,X1		7	1260	M 859 089		6	859	089
194	1	267		MA	X3,X1		7	1267	# 099 089		6	099	089

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
195	1	274		MCW	X1,NEWX3&6	7		1274	M 089 U69		7	089	1469
196	1	281		SBR	ADR5 <,0&X3	7		1281	H 896 0?0		7	896	000+3
197	1	288		B	CONV35	4		1288	B 969		7	969	
198	1	292		MCW	ADR5B<,TOPC5<	7		1292	M 891 870		7	891	870
199	1	299		MCW	ADR5B<,W5	7		1299	M 891 W54		7	891	1654
200	1	306		MCW	W3,ADR5 <	7		1306	M 859 896		7	859	896
201	1	313		B	CONV35	4		1313	B 969		8	969	
202	1	317		A	ADR5B<,TOPC5<	7		1317	A 891 870		8	891	870
203	1	324		C	K16000,TOPC5<	7		1324	C W49 870		8	1649	870
204	1	331		BL	*&8	5		1331	B T43 T		8	1343	
205	1	336		S	K16000,TOPC5<	7		1336	S W49 870		8	1649	870
206	1	343		MCW	SEQTAB,ADR5 <	7		1343	M 148 896		8	148	896
207	1	350		B	CONV35	4		1350	B 969		9	969	
208	1	354		C	ADR5B<,TOPC5<	7		1354	C 891 870		9	891	870
209	1	361		BH	TOOBIG	5		1361	B |92 U		9	1092	
210	1	366		MZ	X1,TSTZON&7	7		1366	Y 089 V63		9	089	1563
211	1	373		MCW	X1-2,TSTCHR&7	7		1373	M 087 V83		9	087	1583
212	1	380		MCW	NSTMIS,X2	7		1380	M 183 094		9	183	094
213	1	387		MA	W3,NSTMIS	7		1387	# 859 183		10	859	183
214	1	394		C	TOPC5<,W5	7		1394	C 870 W54		10	870	1654
215	1	401		BH	FINDW2	5		1401	B V00 U		10	1500	
216	1	406	MORE	LCA	0&X3,0&X1	7		1406	L 0?0 0|0		10	000+3	000+1
217	1	413		SAR	X3	4		1413	Q 099		10	099	
218	1	417		C	0&X1	4		1417	C 0|0		10	000+1	
219	1	421		SAR	X1	4		1421	Q 089		10	089	
220	1	425		BCE	*&5,0&X3,: AT TOP OF MOVED-UP CODE	8		1425	B U37 0?0 :		11	1437	000+3
221	1	433		B	MORE	4		1433	B U06		11	1406	
222				*									
223				*	DONE								
224				*									
225	1	437	CSLOOP	CS	0&X1	4		1437	/ 0|0		11	000+1	
226	1	441		SBR	X1	4		1441	H 089		11	089	
227	1	445		C	X1,BOTCLR AT THE BOTTOM OF CORE TO CLEAR?	7		1445	C 089 W57		11	089	1657
228	1	452		BU	CSLOOP NO, CLEAR MORE	5		1452	B U37 /		11	1437	
229	1	457		CW	0&X1	4		1457	) 0|0		11	000+1	
230	1	461		CW		1		1461	)		12		
231	1	462		CW		1		1462	)		12		
232	1	463	NEWX3	SBR	X3,0	7		1463	H 099 000		12	099	000
233	1	470		SW	0&X1,1&X3	7		1470	, 0|0 0?1		12	000+1	001+3
234	1	477		MCW	W3,X2	7		1477	M 859 094		12	859	094
235	1	484		BSS	SNAPSH,D	5		1484	B 333 D		12	333	
236	1	503		B	LOADNX	4		1489	B 700		12	700	
237				*									
238				*	MOVE THE CODE TO ITS FINAL PLACE								
239				*									
240	1	507	FINDWM	MA	A001,X2 WHY NOT SBR X2,1&X2 ???	7	V3M4	1493	# W67 094		13	1667	094
241	1	514	FINDW2	BW	*&5,1&X2	8		1500	V V12 0!1 1		13	1512	001+2
242	1	522		B	FINDWM	4		1508	B U93		13	1493	
243	1	526		MCW	X2,X1	7		1512	M 094 089		13	094	089
244	1	533		MA	W3,X1	7		1519	# 859 089		13	859	089

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
245	1	540		LCA	0&X2,0&X1	7		1526	L 0!0 0|0		14	000+2	000+1
246	1	547		C	X2,X3	7		1533	C 094 099		14	094	099
247	1	554		BU	FINDWM	5		1540	B U93 /		14	1493	
248	1	559		LCA	KB2,2&X3	7		1545	L W60 0?2		14	1660	002+3
249	1	566		CW	1&X3	4		1552	) 0?1		14	001+3	
250	1	570	TSTZON	BWZ	TSTCHR,X3,2	8		1556	V V76 099 2		14	1576	099
251	1	578		CS	0&X3	4		1564	/ 0?0		15	000+3	
252	1	582		SBR	X3	4		1568	H 099		15	099	
253	1	586		B	TSTZON	4		1572	B V56		15	1556	
254	1	590	TSTCHR	BCE	CLR00F,X3-2,0	8		1576	B V96 097 0		15	1596	097
255	1	598		CS	0&X3	4		1584	/ 0?0		15	000+3	
256	1	602		SBR	X3	4		1588	H 099		15	099	
257	1	606		B	TSTCHR	4		1592	B V76		15	1576	
258	1	610	CLR00F	C	X3,X1	7		1596	C 099 089		16	099	089
259	1	617		BE	CLRFIN	5		1603	B W27 S		16	1627	
260	1	622		LCA	KB1,0&X3	7		1608	L W61 0?0		16	1661	000+3
261	1	629		CW	0&X3	4		1615	) 0?0		16	000+3	
262	1	633		SBR	X3	4		1619	H 099		16	099	
263	1	637		B	CLR00F	4		1623	B V96		16	1596	
264	1	641	CLRFIN	MCW	NSTMIS,X1	7		1627	M 183 089		16	183	089
265	1	648		MA	K15999,X1	7		1634	# W64 089		17	1664	089
266	1	655		B	CSLOOP	4		1641	B U37		17	1437	
267				*									
268				*	DATA								
269				*									
270	1	663	K16000	DCW	16000	5		1649			17		
271	1	668	W5	DCW	#5	5		1654			17		
272	1	671	BOTCLR	DSA	DOWNT0	3		1657	W99		17	1699	
273	1	681	KP1	DCW	&1	1		1658			17		
274	1	683	KB2	DCW	#2	2		1660			17		
275	1	684	KB1	DCW	#1	1		1661			18		
276	1	687	K15999	DSA	15999	3		1664	I9I		18	15999	
277	1	690	A001	DSA	1	3		1667	001		18	001	
278	1	691	GMWM	DCW	@}@	1		1668		GMARK	18		
279				ORG	*&X00				1700				
280				DOWNT0	EQU *			1699					
281				XFR	BEG50A				B /75		19	1175	
282				CLRME	CLRA LOADAD,GMWM					MACRO			
				*	CLRA CLRBOT,CLRTOP[,ORG,GMWMAD]					GEN			
				*						GEN			
				*	CLEAR CORE AFTER A PHASE USING THE CLRTOP ADDRESS					GEN			
				*						GEN			
283				ORG	201				0201				
				*						GEN			
				*	CLEAR DOWN TO CLRBOT & X00 THE EASY WAY					GEN			
				*						GEN			
284				CLRME	EQU *&1			0201		GEN			
285)0J004	CS GMWM	4		0201	/ W68	GEN	20	1668	
286				SBR)0J004&3	4		0205	H 204	GEN	20	204	
287				SBR)0L004&6	4		0209	H 250	GEN	20	250	

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288				C)0J004&3,)0M004			7 0213	C 204 261	GEN	20	204	261
289				BU)0J004			5 0220	B 201 /	GEN	20	201	
				*						GEN			
				*	NOW CLEAR DOWN TO CLRBOT THE HARD WAY					GEN			
				*						GEN			
290			)0K004	C	)0L004&6,)0N004			7 0225	C 250 264	GEN	20	250	264
291				BU	)0L004			5 0232	B 244 /	GEN	20	244	
292				CS	LOADNX,)0Q004			7 0237	/ 700 271	GEN	21	700	271
293			)0L004	LCA	)0P004,0-0			7 0244	L 265 000	GEN	21	265	000
294				SBR	)0L004&6			4 0251	H 250	GEN	21	250	
295				B	)0K004			4 0255	B 225	GEN	21	225	
296			)0M004	DSA	)0R004			3 0261	/99	GEN	21	1199	
297			)0N004	DSA	LOADAD			3 0264	/75	GEN	21	1175	
298			)0P004	DCW	#1			1 0265		GEN	21		
299				DC	@CLRA @			5 0270		GEN	21		
300			)0Q004	DCW	@}@			1 0271		GEN	22		
301				ORG	LOADAD&X00				1200				
302			)0R004	EQU	*				1199	GEN			
303				XFR	CLRME						23	201	

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)0J004	0201: 0	)0K004	0225: 0	)0L004	0244: 0	)0M004	0261: 0	)0N004	0264: 0	)0P004	0265: 0
)0Q004	0271: 0	)0R004	1199: 0	)6J003	0110: 0	)6K003	0700: 0	)6L003	0704: 0	)6M003	0728: 0
)9J003	0253: 0	)9R003	0258: 0	A001	1667: 0	ADR5 <	0896: 0	ADR5B<	0891: 0	ATBOT	1260: 0
BEG50A	1175: 0	BEGN47	1175: 0	BOTCLR	1657: 0	CDOVLY	0700: 0	CLR00F	1596: 0	CLRFIN	1627: 0
CLRME	0201: 0	CONV35	0969: 0	CONV53	0929: 0	CSLOOP	1437: 0	DOWNT0	1699: 0	FINDGM	1052: 0
FINDW2	1500: 0	FINDWM	1493: 0	FLAG <	0884: 0	GMWM	1668: 0	K15999	1664: 0	K16000	1649: 0
KB1	1661: 0	KB2	1660: 0	KP1	1658: 0	LOADAD	1175: 0	LOADNX	0700: 0	LOOP	1201: 0
MORE	1406: 0	NEWX3	1463: 0	NEXT <	0850: 0	NSTMTS	0183: 0	PHASLD	0381: 0	PHS50A	0201: 0
SEQNO<	0865: 0	SEQTAB	0148: 0	SNAPEX	0564: 0	SNAPSH	0333: 0	SX2 <	0853: 0	SX3A <	0844: 0
SX3B <	0856: 0	TABBOT	0847: 0	TBLBOT	0145: 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	TSTBOT	1248: 0
TSTCHR	1576: 0	TSTZON	1556: 0	W3	0859: 0	W3 <	0859: 0	W3....	0859: 0	W5	1654: 0
W5 <	0880: 0	X1	0089: 0	X2	0094: 0	X3	0099: 0				

UNREFERENCED SYMBOLS

CDOVLY CONV53 FINDGM FLAG < KP1 NEXT < PHASLD SEQNO< SNAPEX SX2 < SX3A < SX3B < TABBOT TIMES6 TOPA < TOPB < TOPC <
 TPERR TPREAD W5 <