

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
101			JOB		FORTRAN COMPILER -- RESORT 1 PHASE -- PHASE 47								
102			CTL		6611								
103			*										
104			*		EXTERNALLY REFERENCED SYMBOLS ARE MARKED WITH ASTERISK IN COLUMN 1.								
105			*										
106			*		AN AREA IS MADE AVAILABLE FOR A TABLE TO ASSIST IN RESORTING								
107			*		THE STATEMENTS INTO THEIR ORIGINAL ORDER.								
108			*										
109			X1	EQU	89				0089				
110			X2	EQU	94				0094				
111			X3	EQU	99				0099				
112			*										
113			*		STUFF IN THE RESIDENT AREA								
114			*										
115			DOCNT	EQU	151	COUNT OF DO STATEMENTS			0151				
116			NSTMTS	EQU	183	NUMBER OF STATEMENTS, INCLUDING GENERATED STOP			0183				
117			*										
118					EXT00	SNAPSH, LOADNX, CDOVLY							MACRO
119			SNAPSH	EQU	333				0333				GEN
120			PHASLD	EQU	381				0381				GEN
121			SNAPEX	EQU	564				0564				GEN
122			LOADNX	EQU	700	CARD OVERLAY UNLESS NOP			0700				GEN
123			CDOVLY	EQU	700	1 IF LOADING FROM CARDS, N IF FROM TAPE			0700				GEN
124			TPREAD	EQU	704	LOAD OVERLAY FROM TAPE			0704				GEN
125			TPERR	EQU	728				0728				GEN
126			*										
127					EXT03	START, TOP OF PHASE 3							MACRO
128			BEGIN3	EQU	838				0838				GEN
129			TOP3	EQU	2600				2600				GEN
130					EXT49	STUFF IN RESORT THREE PHASE -- 49							MACRO
131			TABEL	EQU	2499				2499				GEN
132			*										
133			SORTAB	EQU	TABEL	SORT TABLE			2499				
134			*										
135			PHAS47	LDPH	RESORT ONE, LOADAD, BEGN47,,,47								MACRO
			*	PHAZ	LDPH [PHASID], LOADAD, ENTAD[, SKIPFG, SKIP], [NUMBER] [, HALT]								GEN
			*	XFR	PHASZ	PROHIBITED IN A MACRO							GEN
			*										GEN
			*	LOAD	A BLOCK								GEN
			*										GEN
136			)6J004	EQU	110	PHASE ID			0110				GEN
137			)6K004	EQU	700	LOAD NEXT PHASE			0700				GEN
138			)6L004	EQU	704	TAPE READ INSTRUCTION			0704				GEN
139			)6M004	EQU	728	TAPE ERROR HANDLER			0728				GEN
			*										GEN
140				ORG	201				0201				
141			PHAS47	BSS	)8J004,G		5	0201	B 257 G	GEN	1	257	
142				NOP	TO PATCH IN TRAPS FOR DEBUGGING		1	0206	N	GEN	1		
143			)0J004	EQU	*&1				0207	GEN			
144				LCA	)9J004,)6J004		7	0207	L 282 110	GEN	1	282	110

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
145			BCE	)1J004,)	6K004,1 Q: LOADING FROM CARDS?	8		0214	B 250 700 1	GEN	1	250	700
146			BCE	)1J004,)	6L004&4,0 Q: LOADING FROM AUTOCODER TAPE?	8		0222	B 250 708 0	GEN	1	250	708
147			RTW	1,LOADAD	READ THE BLOCK	8		0230	L %U1 838 R	GEN	1	%U1	838
148			BER	)6M004	Q: TAPE ERROR?	5		0238	B 728 L	GEN	2	728	
149			CS	BEGN47,)	9R004 ENTER THE BLOCK	7		0243	/ /75 286	GEN	2	1175	286
150			)1J004 CS	)6K004,)	9R004 LOAD CARDS OR AUTOCODER TAPE	7		0250	/ 700 286	GEN	2	700	286
151			)8J004 SW	)9R004		4		0257	, 286	GEN	2	286	
152			MU	%T0,)	8K004,W	8		0261	M %T0 273 W	GEN	2	%T0	273
153			H	)0J004		4		0269	. 207	GEN	2	207	
154			)8K004 EQU	*&1				0273		GEN			
155			)9J004 DCW	@RESORT ONE@	PHASE ID	10		0282		GEN	3		
156			DCW	#1		1		0283		GEN	3		
157			DC	@47@	PHASE NUMBER	2		0285		GEN	3		
158			)9R004 DCW	@}@		1		0286		GEN	3		
159			XFR	PHAS47					B 201		4	201	
160			*										
161			ORG	BEGIN3					0838				
162			LOADAD EQU	*&1	LOAD ADDRESS			0838					
163	838		W1	DCW	0	1		0838			5		
164	*	841	TOPA	DCW	000 TABBOT PLUS 3 X NUMBER OF STATEMENTS	3		0841			5		
165	*	844	SX3A	DCW	000 USED ONLY IN PHASE 48 AND 49	3		0844			5		
166	*	847	TABBOT	DCW	000 BOTTOM OF RESORT TABLE	3		0847			5		
167	*	850	NEXT	DCW	000 USED ONLY IN PHASE 49	3		0850			5		
168	*	853	SX2	DCW	000 USED ONLY IN PHASE 48 AND 49	3		0853			5		
169	*	856	SX3B	DCW	000	3		0856			5		
170	*	859	W3	DCW	000 USED ONLY IN PHASE 48 AND 49	3		0859			6		
171	*	862	TOPC	DCW	000 TABBOT PLUS 3 X NUMBER OF STATEMENTS PLUS 1	3		0862			6		
172	*	865	SEQNO	DCW	000 USED ONLY IN PHASE 48 AND 49	3		0865			6		
173	*	870	TOPC5	DCW	00000 TOPC AS FIVE DIGITS	5		0870			6		
174	*	875	TIMES6	DCW	00000 DOCNT TIMES 6	5		0875			6		
175	*	880	W5	DCW	00000 USED ONLY IN PHASE 49	5		0880			6		
176	*	883	TOPB	DCW	000 TABBOT PLUS 3 X NUMBER OF STATEMENTS PLUS 1	3		0883			6		
177	*	884	FLAG	DCW	0 USED ONLY IN PHASE 48 AND 49	1		0884			7		
178			886	ZONTST	DCW 99 FOR TESTING ZONES	2		0886			7		
179	*	891	ADR5B	DCW	#5	5		0891			7		
180	*	896	ADR5	DCW	#5	5		0896			7		
181			898	ZONES	DCW @99@	2		0898			7		
182			900		DCW @Z9@	2		0900			7		
183			902		DCW @R9@	2		0902			7		
184			904		DCW @I9@	2		0904			8		
185			906		DCW @9Z@	2		0906			8		
186			908		DCW @ZZ@	2		0908			8		
187			910		DCW @RZ@	2		0910			8		
188			912		DCW @IZ@	2		0912			8		
189			914		DCW @9R@	2		0914			8		
190			916		DCW @ZR@	2		0916			8		
191			918		DCW @RR@	2		0918			9		
192			920		DCW @IR@	2		0920			9		
193			922		DCW @9I@	2		0922			9		
194			924		DCW @ZI@	2		0924			9		

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR	
195		926		DCW	@RI@	2		0926			9			
196		928		DCW	@II@	2		0928			9			
197			*											
198			*	CONVERT FIVE-DIGIT ADDRESS IN ADR5 TO MACHINE FORM										
199			*											
200	*	929	CONV53	SBR	CONV5X&3	4		0929	H 968		9	968		
201		933		ZA	ADR5-3,X1	7		0933	? 893 089		10	893	089	
202		940		MZ	NOZONE,X1	7		0940	Y /26 089		10	1126	089	
203		947		A	X1	4		0947	A 089		10	089		
204		951		MZ	ZONES-1&X1,ADR5-2	7		0951	Y 827 894		10	897+1	894	
205		958		MZ	ZONES&X1,ADR5	7		0958	Y 828 896		10	898+1	896	
206		965	CONV5X	B	0-0	4		0965	B 000		10	000		
207			*											
208			*	CONVERT THREE-CHARACTER ADDRESS IN ADR5 TO FIVE DIGITS IN ADR5B										
209			*											
210	*	969	CONV35	SBR	CONV3X&3	4		0969	H |24		11	1024		
211		973		MCW	K5B,ADR5B	7		0973	M /31 891		11	1131	891	
212		980		MN	ADR5,ADR5B	7		0980	D 896 891		11	896	891	
213		987		MN		1		0987	D		11			
214		988		MN		1		0988	D		11			
215		989		MZ	ADR5,ZONTST	7		0989	Y 896 886		11	896	886	
216		996		MZ	ADR5-2,ZONTST-1	7		0996	Y 894 885		11	894	885	
217	1	003		MCW	AZONES,*&11	7		1003	M /34 |20		12	1134	1020	
218	1	010		S	ADR5	4		1010	S 896		12	896		
219	1	014	TSTZON	C	ZONTST,0-0	7		1014	C 886 000		12	886	000	
220	1	021	CONV3X	BE	0-0	5		1021	B 000 S		12	000		
221	1	026		A	K1,ADR5B-3	7		1026	A /35 888		12	1135	888	
222	1	033		SW	TSTZON&4	4		1033	, |18		12	1018		
223	1	037		A	K002,TSTZON&6	7		1037	A /38 |20		13	1138	1020	
224	1	044		CW	TSTZON&4	4		1044	) |18		13	1018	
225	1	048		B	TSTZON	4		1048	B |14		13	1014		
226			*											
227			*	FIND NEXT HIGHER GMWM. LEAVE ITS ADDRESS & 1 IN X3.										
228			*											
229	*1	052	FINDGM	SBR	FINDGX&3	4		1052	H |91		13	1091		
230	1	056		MN	0&X3	4		1056	D 0?0		13	000+3		
231	1	060		SAR	X3	4		1060	Q 099		13	099		
232	1	064	MORE	MCM	1&X3	4		1064	P 0?1		13	001+3		
233	1	068		MN		1		1068	D		14			
234	1	069		SBR	X3	4		1069	H 099		14	099		
235	1	073		BCE	MORE,0&X3,|	8		1073	B |64 0?0 |		14	1064	000+3	
236	1	081		SBR	X3,1&X3	7		1081	H 099 0?1		14	099	001+3	
237	1	088	FINDGX	B	0-0	4		1088	B 000		14	000		
238			*											
239			*	PROGRAM IS TOO BIG										
240			*											
241	*1	092	TOOBIG	CS	332	4		1092	/ 332		14	332		
242	1	096		CS		1		1096	/		14			
243	1	097		CC	1	2		1097	F 1		15			
244	1	099		MCW	ERROR2,270	7		1099	M /74 270		15	1174	270	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
245	1	106		W				1	1106	2		15	
246	1	107		CC	1			2	1107	F 1		15	
247	1	109		BCE	HALT,CDOVLY,1			8	1109	B /22 700 1		15	1122 700
248	1	117		RWD	1			5	1117	U %U1 R		15	%U1
249	1	122	HALT	H	HALT			4	1122	. /22		15	1122
250			*										
251	1	126	NOZONE	DCW	#1			1	1126			16	
252	1	131	K5B	DCW	#5			5	1131			16	
253	1	134	AZONES	DSA	ZONES			3	1134	898		16	898
254	1	135	K1	DCW	1			1	1135			16	
255	1	138	K002	DCW	002			3	1138			16	
256	1	174	ERROR2	DCW	@MESSAGE 2 - OBJECT PROGRAM TOO LARGE@			36	1174			17	
257			*										
258	*1	175	BEGN47	SBR	SX3B,0&X3			7	1175	H 856 0?0		18	856 000+3
259	1	182		SBR	X1, SORTAB			7	1182	H 089 M99		18	089 2499
260	1	189		SBR	TABBOT BOTTOM OF CODE IN LOW CORE			4	1189	H 847		18	847
261	1	193		MCW	NSTMTS, *&14			7	1193	M 183 S13		18	183 1213
262	1	200		MZ	X1ZONE, *&6			7	1200	Y U79 S12		18	1479 1212
263	1	207	NSX3	SBR	X1,0 COMPUTE			7	1207	H 089 000		18	089 000
264	1	214		A	K1A,W1 TABBOT PLUS			7	1214	A U80 838		19	1480 838
265	1	221		C	W1,K3 NUMBER OF STATEMENTS			7	1221	C 838 U81		19	838 1481
266	1	228		BH	NSX3 TIMES 3			5	1228	B S07 U		19	1207
267	1	233		SBR	TOPA,0&X1			7	1233	H 841 0|0		19	841 000+1
268	1	240		SBR	TOPB,1&X1			7	1240	H 883 0|1		19	883 001+1
269	1	247		MCW	KB,W1			7	1247	M U82 838		20	1482 838
270	1	254		BCE	*&5,DOCNT,			8	1254	B S66 151		20	1266 151
271	1	262		B	HAVE			4	1262	B S92		20	1292
272	1	266		SBR	TOPC,1&X1			7	1266	H 862 0|1		20	862 001+1
273	1	273		SBR	ADR5			4	1273	H 896		20	896
274	1	277		B	CONV35			4	1277	B 969		20	969
275	1	281		MCW	ADR5B, TOPC5			7	1281	M 891 870		21	891 870
276	1	288		B	NOT			4	1288	B T61		21	1361
277	1	292	HAVE	MCW	DOCNT, TIMES6			7	1292	M 151 875		21	151 875
278	1	299		A	TIMES6			4	1299	A 875		21	875
279	1	303		A	TIMES6			4	1303	A 875		21	875
280	1	307		A	DOCNT			4	1307	A 151		21	151
281	1	311		A	DOCNT, TIMES6			7	1311	A 151 875		21	151 875
282	1	318		SBR	ADR5,1&X1			7	1318	H 896 0|1		22	896 001+1
283	1	325		B	CONV35			4	1325	B 969		22	969
284	1	329		MCW	ADR5B, TOPC5			7	1329	M 891 870		22	891 870
285	1	336		A	TIMES6, TOPC5			7	1336	A 875 870		22	875 870
286	1	343		MCW	TOPC5, ADR5			7	1343	M 870 896		22	870 896
287	1	350		B	CONV53			4	1350	B 929		22	929
288	1	354		MCW	ADR5, TOPC			7	1354	M 896 862		23	896 862
289	1	361	NOT	MCW	SX3B, ADR5			7	1361	M 856 896		23	856 896
290	1	368		B	CONV35			4	1368	B 969		23	969
291	1	372		MCW	ADR5B, W5			7	1372	M 891 880		23	891 880
292	1	379		C	TOPC5, W5			7	1379	C 870 880		23	870 880
293	1	386		BH	*&5			5	1386	B T95 U		23	1395
294	1	391		B	TOOBIG			4	1391	B |92		24	1092

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
295	1	395		CC	1		2	1395	F 1		24		
296	1	397		CS	332		4	1397	/ 332		24	332	
297	1	401		CS			1	1401	/		24		
298	1	402		MCW	STRNG,243		7	1402	M V12 243		24	1512	243
299	1	409		W			1	1409	2		24		
300	1	410		CC	K		2	1410	F K		24		
301	1	412		CS	332		4	1412	/ 332		25	332	
302	1	416		CS			1	1416	/		25		
303	1	417		MCW	SEQ,208		7	1417	M V15 208		25	1515	208
304	1	424		MCW	STRTA,242		7	1424	M V31 242		25	1531	242
305	1	431		MCW	DISPLA,256		7	1431	M V38 256		25	1538	256
306	1	438		W			1	1438	2		25		
307	1	439		CC	J		2	1439	F J		25		
308	1	441		CS	332		4	1441	/ 332		26	332	
309	1	445		CS			1	1445	/		26		
310	1	446	*		LCA K000,208 MOVED TO PHASE 49 BECAUSE LDPH CLOBBERS IT								
311	1	453		MCW	SX3B,X1		7	1446	M 856 089		26	856	089
312	1	460		SBR	X1,2&X1		7	1453	H 089 0|2		26	089	002+1
313	1	467		SBR	X3		4	1460	H 099		26	099	
314	1	471		B	FINDGM		4	1464	B |52		26	1052	
315	1	475		MCW	X3,X2		7	1468	M 099 094		26	099	094
316	1	519		B	LOADNX		4	1475	B 700		27	700	
317			*										
318			* DATA										
319			*										
320	1	523	X1ZONE	DCW	@Z@		1	1479			27		
321	1	524	K1A	DCW	1		1	1480			27		
322	1	525	K3	DCW	3		1	1481			27		
323	1	526	KB	DCW	#1		1	1482			27		
324	1	556	STRNG	DCW	@STARTING ADDRESS OF STATEMENTS@		30	1512			27		
325	1	559	SEQ	DCW	@SEQ@		3	1515			28		
326	1	575	STRTA	DCW	@STARTING ADDRESS@		16	1531			28		
327	1	582	DISPLA	DCW	@DISPLAY@		7	1538			28		
328	1	585	* K000	DCW	000 MOVED TO PHASE 49								
329	1	594	GMWM	DCW	@}@		1	1539		GMARK	28		
330			EX		BEGN47				B /75		29	1175	
331			CLRME	CLRA	BEGN47,GMWM,C					MACRO			
			*	CLRA	CLRBOT,CLRTOP[,SS,HERE,GWMAD]					GEN			
			*							GEN			
			* CLEAR CORE		AFTER A PHASE USING THE CLRTOP ADDRESS					GEN			
			*							GEN			
332			ORG		201				0201				
			*							GEN			
			* CLEAR DOWN		TO CLRBOT & X00 THE EASY WAY					GEN			
			*							GEN			
333			CLRME	EQU	*&1			0201					
334			BSS		SNAPSH,C		5	0201	B 333 C		30	333	
335			)0J005	CS	GMWM CLEAR FROM CLRTOP		4	0206	/ V39		30	1539	
336			SBR		)0J005&3		4	0210	H 209		30	209	
337			SBR		)0L005&6		4	0214	H 255		30	255	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
338				C	)0J005&3,)0M005			7 0218	C 209 266	GEN	30	209	266
339				BU	)0J005			5 0225	B 206 /	GEN	30	206	
				*						GEN			
				*	NOW CLEAR DOWN TO CLRBOT THE HARD WAY					GEN			
				*						GEN			
340			)0K005	C	)0L005&6,)0N005			7 0230	C 255 269	GEN	30	255	269
341				BU	)0L005			5 0237	B 249 /	GEN	31	249	
342				CS	LOADNX,)0Q005			7 0242	/ 700 276	GEN	31	700	276
343			)0L005	LCA	)0P005,0-0			7 0249	L 270 000	GEN	31	270	000
344				SBR	)0L005&6			4 0256	H 255	GEN	31	255	
345				B	)0K005			4 0260	B 230	GEN	31	230	
346			)0M005	DSA	)0R005			3 0266	/99	GEN	31	1199	
347			)0N005	DSA	BEGN47			3 0269	/75	GEN	31	1175	
348			)0P005	DCW	#1			1 0270		GEN	32		
349				DC	@CLRA @			5 0275		GEN	32		
350			)0Q005	DCW	@}@			1 0276		GEN	32		
351				ORG	BEGN47&X00				1200				
352			)0R005	EQU	*				1199	GEN			
353				XFR	CLRME						33	201	

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)0J004	0207: 0	)0J005	0206: 0	)0K005	0230: 0	)0L005	0249: 0	)0M005	0266: 0	)0N005	0269: 0
)0P005	0270: 0	)0Q005	0276: 0	)0R005	1199: 0	)1J004	0250: 0	)6J004	0110: 0	)6K004	0700: 0
)6L004	0704: 0	)6M004	0728: 0	)8J004	0257: 0	)8K004	0273: 0	)9J004	0282: 0	)9R004	0286: 0
ADR5	0896: 0	ADR5B	0891: 0	AZONES	1134: 0	BEGIN3	0838: 0	BEGN47	1175: 0	CDOVLY	0700: 0
CLRME	0201: 0	CONV35	0969: 0	CONV3X	1021: 0	CONV53	0929: 0	CONV5X	0965: 0	DISPLA	1538: 0
DOCNT	0151: 0	ERROR2	1174: 0	FINDGM	1052: 0	FINDGX	1088: 0	FLAG	0884: 0	GMWM	1539: 0
HALT	1122: 0	HAVE	1292: 0	K002	1138: 0	K1	1135: 0	K1A	1480: 0	K3	1481: 0
K5B	1131: 0	KB	1482: 0	LOADAD	0838: 0	LOADNX	0700: 0	MORE	1064: 0	NEXT	0850: 0
NOT	1361: 0	NOZONE	1126: 0	NSTMTS	0183: 0	NSX3	1207: 0	PHAS47	0201: 0	PHASLD	0381: 0
SEQ	1515: 0	SEQNO	0865: 0	SNAPEX	0564: 0	SNAPSH	0333: 0	SORTAB	2499: 0	STRTA	1531: 0
STRNG	1512: 0	SX2	0853: 0	SX3A	0844: 0	SX3B	0856: 0	TABBOT	0847: 0	TABEL	2499: 0
TIMES6	0875: 0	TOOBIG	1092: 0	TOP3	2600: 0	TOPA	0841: 0	TOPB	0883: 0	TOPC	0862: 0
TOPC5	0870: 0	TPERR	0728: 0	TPREAD	0704: 0	TSTZON	1014: 0	W1	0838: 0	W3	0859: 0
W5	0880: 0	X1	0089: 0	X1ZONE	1479: 0	X2	0094: 0	X3	0099: 0	ZONES	0898: 0
ZONTST	0886: 0										

UNREFERENCED SYMBOLS

FLAG NEXT PHASLD SEQNO SNAPEX SX2 SX3A TOP3 TPERR TPREAD W3