

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
101			JOB		FORTRAN COMPILER -- SQUEEZE PHASE -- PHASE 08								
102			CTL		6611								
103			*										
104			*		REMOVE STATEMENT KEYWORDS								
105			*		NOTE UNRECOGNIZABLE STATEMENTS AND REMOVE THEM								
106			*		81-83 = START (TOP ADDRESS) OF FIRST (TOP IN MEMORY)								
107			*		STATEMENT. REMEMBER, STATEMENTS ARE SORTED BY TYPE NOW,								
108			*		AND PUSHED TO THE BOTTOM OF AVAILABLE CORE.								
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				EXT00	SNAPSH, LOADNX, CDOVLY					MACRO			
117			SNAPSH	EQU	333				0333	GEN			
118			PHASLD	EQU	381				0381	GEN			
119			SNAPEX	EQU	564				0564	GEN			
120			LOADNX	EQU	700				0700	GEN			
121			CDOVLY	EQU	700				0700	GEN			
122			TPREAD	EQU	704				0704	GEN			
123			TPERR	EQU	728				0728	GEN			
124			*										
125				EXT03	START, TOP OF PHASE 3					MACRO			
126			BEGIN3	EQU	838				0838	GEN			
127			TOP3	EQU	2600				2600	GEN			
128			*										
129			110	DCW	@SQUOZE@		6	0110			1		
130			089	DCW	000		3	0089			2		
131			091	DC	00		2	0091			2		
132			094	DCW	000		3	0094			2		
133			096	DC	00		2	0096			2		
134			099	DCW	000		3	0099			2		
135			100	DC	0		1	0100			2		
136			*										
137			PHAS8	LDPH	SQUOZE,LOADAD,BEGIN8,,,8					MACRO			
			*	PHAZ	LDPH [PHASID],LOADAD,ENTAD[,SKIPFG,SKIP],[NUMBER][,HALT]					GEN			
			*	XFR	PHASZ PROHIBITED IN A MACRO					GEN			
			*							GEN			
			*	LOAD	A BLOCK					GEN			
			*							GEN			
138			)6J003	EQU	110				0110	GEN			
139			)6K003	EQU	700				0700	GEN			
140			)6L003	EQU	704				0704	GEN			
141			)6M003	EQU	728				0728	GEN			
			*							GEN			
142				ORG	201				0201				
143			PHAS8	EQU	*&1				0201	GEN			
144				LCA	)9J003,)6J003		7	0201	L 249 110	GEN	3	249	110

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
145				BCE	)6K003,)6K003,1			8	0208	B 700 700 1	GEN	3	700 700
146				BCE	)6K003,)6L003&4,0			8	0216	B 700 708 0	GEN	3	700 708
147				RTW	1,LOADAD			8	0224	L %U1 838 R	GEN	3	%U1 838
148				BER	)6M003			5	0232	B 728 L	GEN	3	728
149				CS	BEGIN8,)9R003			7	0237	/ 838 252	GEN	4	838 252
150			)9J003	DCW	@SQUOZE@			6	0249		GEN	4	
151				DC	#1			1	0250		GEN	4	
152				DC	@8@	PHASE NUMBER		1	0251		GEN	4	
153			)9R003	DCW	@}@			1	0252		GEN	4	
154				XFR	PHAS8					B 201		4	201
155				*									
156				ORG	BEGIN3					0838			
157			LOADAD	EQU	*&1				0838				
158	838		BEGIN8	MCW	83,X2			7	0838	M 083 094		5	083 094
159	845			MCW	83,X1			7	0845	M 083 089		5	083 089
160	852		NEXT	MCW	0&X1,SEQ			7	0852	M 0|0 U73		5	000+1 1473
161	859			MCW	0&X1,PREFIX			7	0859	M 0|0 U77		5	000+1 1477
162	866			BCE	ARITH,PREFIX-3,R	ARITHMETIC?		8	0866	B /35 U74 R		5	1135 1474
163	874			BCE	ENDSTM,PREFIX-3,/	END?		8	0874	B /61 U74 /		6	1161 1474
164	882		SWITCH	BCE	SAME,PREFIX-3,X	INITIALLY NONEXISTENT STMT,		8	0882	B 991 U74 X		6	991 1474
165				*		LATER CURRENT ONE							
166				*									
167				*	COMPUTE ADDRESS OF KEYWORD IF NOT THE SAME STATEMENT								
168				*	TYPE AS THE PREVIOUS ONE								
169				*									
170	890			MZ	PREFIX-3,SWITCH&7	MOVE STATEMENT CODE		7	0890	Y U74 889		6	1474 889
171	897			MN	PREFIX-3,SWITCH&7	TO SWITCH D-MODIFIER		7	0897	D U74 889		6	1474 889
172	904			MN	PREFIX-3,W1			7	0904	D U74 U78		6	1474 1478
173	911			ZA	W1,W3	W3 =		7	0911	? U78 U81		7	1478 1481
174	918			A	W3	3 * NUMERIC PART		4	0918	A U81		7	1481
175	922			A	W1,W3	OF STMT CODE		7	0922	A U78 U81		7	1478 1481
176	929			MZ	NOZONE,W3			7	0929	Y U82 U81		7	1482 1481
177	936		LCA	TABADR,GETTAB&3	TABLE ADDRESS			7	0936	L U85 979		7	1485 979
178	943			A	W3,GETTAB&3	+ 3 * NUMERIC TO GETTAB		7	0943	A U81 979		7	1481 979
179	950			MZ	PREFIX-3,GETTAB&2			7	0950	Y U74 978		8	1474 978
180	957			CW	GETTAB&1			4	0957	) 977		8	977
181	961			MCW	X2,SAVE	SAVE X2		7	0961	M 094 U93		8	094 1493
182	968			MCW		AND X1		1	0968	M		8	
183	969			MCM	INDEXS,X1-2	X1,X2,X3 = 27, 54, 81		7	0969	P U57 087		8	1457 087
184	976		GETTAB	MCW	0,X3	GET ADDRESS OF KEYWORD FROM TABLE		7	0976	M 000 099		8	000 099
185	983			MCW	SAVE,X2	RETRIEVE X2		7	0983	M U93 094		9	1493 094
186	990			MCW		AND X1		1	0990	M		9	
187	991		SAME	LCA	0&X1,0&X2	MOVE STATEMENT UP		7	0991	L 0|0 0!0		9	000+1 000+2
188	998			SAR	X1	ADDRESS OF NEXT LOWER SOURCE		4	0998	Q 089		9	089
189	1 002			C	0&X2	GET B-STAR BELOW NEXTG WORD MARK		4	1002	C 0!0		9	000+2
190	1 006			SAR	X2	ADDRESS OF NEXT LOWER TARGET		4	1006	Q 094		9	094
191	1 010			C	0&X1,0&X3	CORRECT KEYWORD?		7	1010	C 0|0 0?0		9	000+1 000+3
192	1 017			SAR	X1	GET X1 BELOW KEYWORD		4	1017	Q 089		10	089
193	1 021			BU	WRONG			5	1021	B |71 /		10	1071
194	1 026		MVMORE	LCA	0&X1,0&X2	MOVE PART OF STMT BELOW KEYWORD UP		7	1026	L 0|0 0!0		10	000+1 000+2

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
245					* TABLE OF ADDRESSES OF STATEMENT KEYWORDS								
246					*								
247	1	197	TABLE	DSA	RDTAPE 1 READ TAPE	3		1176	T82		15	1382	
248	1	200		DSA	0	3		1179	000		15	000	
249	1	203		DSA	WRTAPE 2 WRITE TAPE	3		1182	T91		16	1391	
250	1	206		DSA	0	3		1185	000		16	000	
251	1	209		DSA	RDINTP 5 READ INPUT TAPE	3		1188	T49		16	1349	
252	1	212		DSA	WROTTP 6 WRITE OUTPUT TAPE	3		1191	T74		16	1374	
253	1	215		DSA	0	3		1194	000		16	000	
254	1	218		DSA	0	3		1197	000		16	000	
255	1	221		DSA	NOZONE 9	3		1200	U82		16	1482	
256	1	224		DSA	0	3		1203	000		17	000	
257	1	227		DSA	STOP S STOP	3		1206	T15		17	1315	
258	1	230		DSA	CGOTO T COMPUTED GOTO	3		1209	S90		17	1290	
259	1	233		DSA	PUNCH U PUNCH	3		1212	T54		17	1354	
260	1	236		DSA	0	3		1215	000		17	000	
261	1	239		DSA	IFSW W IF (SENSE SWITCH ...	3		1218	T06		17	1306	
262	1	242		DSA	0	3		1221	000		17	000	
263	1	245		DSA	0	3		1224	000		18	000	
264	1	248		DSA	REWIND Z REWIND	3		1227	U04		18	1404	
265	1	251		DSA	SLITE J SENSE LIGHT	3		1230	U56		18	1456	
266	1	254		DSA	IFSL K IF (SENSE LIGHT ...)	3		1233	U46		18	1446	
267	1	257		DSA	READ L READ	3		1236	T36		18	1336	
268	1	260		DSA	0	3		1239	000		18	000	
269	1	263		DSA	ENDFIL N ENDFILE	3		1242	T98		18	1398	
270	1	266		DSA	0	3		1245	000		19	000	
271	1	269		DSA	PRINT P PRINT	3		1248	T59		19	1359	
272	1	272		DSA	EQUIV Q	3		1251	U33		19	1433	
273	1	275		DSA	0 ARITHMETIC	3		1254	000		19	000	
274	1	278		DSA	PAUSE A PAUSE	3		1257	T11		19	1311	
275	1	281		DSA	BACKSP B BACKSPACE	3		1260	U13		19	1413	
276	1	284		DSA	CONT C CONTINUE	3		1263	T25		19	1325	
277	1	287		DSA	DO D DO	3		1266	T17		20	1317	
278	1	290		DSA	IF E IF	3		1269	S92		20	1292	
279	1	293		DSA	FORMAT F FORMAT	3		1272	T32		20	1332	
280	1	296		DSA	GOTO G GOTO	3		1275	S85		20	1285	
281	1	299		DSA	0	3		1278	000		20	000	
282	1	302		DSA	DIM I DIMENSION	3		1281	U22		20	1422	
283					*								
284					* STATEMENT KEYWORDS SPELLED BACKWARD								
285					*								
286	1	306	GOTO	DCW	@OTOG@ GO TO	4		1285			20		
287	1	311	CGOTO	DCW	@%OTOG@ GO TO (	5		1290			21		
288	1	313	IF	DCW	@FI@ IF	2		1292			21		
289	1	327	IFSW	DCW	@HCTIWSESNES%FI@ IF (SENSE SWITCH	14		1306			21		
290	1	332	PAUSE	DCW	@ESUAP@ PAUSE	5		1311			21		
291	1	336	STOP	DCW	@POTS@ STOP	4		1315			21		
292	1	338	DO	DCW	@OD@ DO	2		1317			21		
293	1	346	CONT	DCW	@EUNITNOC@ CONTINUE	8		1325			22		
294	1	353	FORMAT	DCW	@%TAMROF@ FORMAT (	7		1332			22		

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
295	1	357	READ	DCW	@DAER@			4	1336			22	
296	1	370	RDINTP	DCW	@EPATTUPNIDAER@			13	1349			22	
297	1	375	PUNCH	DCW	@HCNUP@			5	1354			22	
298	1	380	PRINT	DCW	@TNIRP@			5	1359			23	
299	1	395	WROTP	DCW	@EPATTUPTUOETIRW@			15	1374			23	
300	1	403	RDTAPE	DCW	@EPATDAER@			8	1382			23	
301	1	412	WRTAPE	DCW	@EPATETIRW@			9	1391			23	
302	1	419	ENDFIL	DCW	@ELIFDNE@			7	1398			24	
303	1	425	REWIND	DCW	@DNIWER@			6	1404			24	
304	1	434	BACKSP	DCW	@ECAPSKCAB@			9	1413			24	
305	1	443	DIM	DCW	@NOISNEMID@			9	1422			24	
306	1	454	EQUIV	DCW	@ECNELAVIUQE@			11	1433			25	
307	1	467	IFSL	DCW	@THGILESNES%FI@			13	1446			25	
308	1	477	SLITE	DCW	@THGILESNES@			10	1456			25	
309			*										
310			* OTHER DATA										
311			*										
312			INDEXS	EQU	*&1				1457				
313	1	491		DCW	@0270005400081|@			14	1470			26	
314	1	494	SEQ	DCW	#3 SEQUENCE NUMBER FROM STATEMENT			3	1473			26	
315	1	498	PREFIX	DCW	#4			4	1477			26	
316	1	499	W1	DCW	#1 USED TO COMPUTE 3 * NUMERIC PART OF CODE			1	1478			26	
317	1	502	W3	DCW	#3			3	1481			26	
318	1	503	NOZONE	DCW	#1			1	1482			26	
319	1	506	TABADR	DSA	TABLE-3			3	1485	/73		26	1173
320	1	514	SAVE	DCW	#8			8	1493			27	
321	1	566	ERROR1	DCW	@ERROR 1 - UNDETERMINABLE STATEMENT, STATEMENT @			46	1539			29	
322	1	567	GMWM	DCW	@}@			1	1540			29	
323			XFR		BEGIN8					B 838		29	838
324			*										
325			CLRME	CLRA	BEGIN8,GMWM							MACRO	
			*	CLRA	CLRBOT,CLRTOP[,ORG,GMWMAD]							GEN	
			*									GEN	
			* CLEAR CORE		AFTER A PHASE USING THE CLRTOP ADDRESS							GEN	
			*									GEN	
326			ORG		201					0201			
			*									GEN	
			* CLEAR DOWN		TO CLRBOT & X00 THE EASY WAY							GEN	
			*									GEN	
327			CLRME	EQU	*&1				0201			GEN	
328			)0J004	CS	GMWM CLEAR FROM CLRTOP			4	0201	/ V40		GEN	30 1540
329			SBR	)0J004&3				4	0205	H 204		GEN	30 204
330			SBR	)0L004&6				4	0209	H 250		GEN	30 250
331			C	)0J004&3,)0M004	DOWN TO CLRBOT & X00?			7	0213	C 204 261		GEN	30 204 261
332			BU	)0J004				5	0220	B 201 /		GEN	30 201
			*									GEN	
			* NOW CLEAR		DOWN TO CLRBOT THE HARD WAY							GEN	
			*									GEN	
333			)0K004	C	)0L004&6,)0N004			7	0225	C 250 264		GEN	30 250 264
334			BU	)0L004				5	0232	B 244 /		GEN	30 244

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
335				CS	LOADNX,)0Q004				LOAD THE NEXT BLOCK AT 1				
336			)0L004	LCA	)0P004, 0-0	7		0237	/ 700 271	GEN	31	700	271
337				SBR	)0L004&6	7		0244	L 265 000	GEN	31	265	000
338				B	)0K004	4		0251	H 250	GEN	31	250	
339			)0M004	DSA	)0R004	4		0255	B 225	GEN	31	225	
340			)0N004	DSA	BEGIN8	3		0261	899	GEN	31	899	
341			)0P004	DCW	#1	3		0264	838	GEN	31	838	
342				DC	@CLRA @ IDENTIFY IN A DECK, TAPE, OR DUMP	1		0265		GEN	31		
343			)0Q004	DCW	@}@	5		0270		GEN	31		
344				ORG	BEGIN8&X00	1		0271		GEN	32		
345			)0R004	EQU	*				0900				
346				XFR	CLRME			0899		GEN			
									B 201		32	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	0899: 0	)6J003	0110: 0	)6K003	0700: 0	)6L003	0704: 0	)6M003	0728: 0
)9J003	0249: 0	)9R003	0252: 0	ARITH	1135: 0	BACKSP	1413: 0	BEGIN3	0838: 0	BEGIN8	0838: 0
CDOVLY	0700: 0	CGOTO	1290: 0	CLRME	0201: 0	CONT	1325: 0	DIM	1422: 0	DO	1317: 0
DONE	1057: 0	ENDFIL	1398: 0	ENDSTM	1161: 0	EQUIV	1433: 0	ERROR1	1539: 0	FORMAT	1332: 0
GETTAB	0976: 0	GMWM	1540: 0	GOTO	1285: 0	IF	1292: 0	IFDONE	1045: 0	IFSL	1446: 0
IFSW	1306: 0	INDEXS	1457: 0	LOADAD	0838: 0	LOADNX	0700: 0	MVMORE	1026: 0	NEXT	0852: 0
NOOVL	1105: 0	NOZONE	1482: 0	PAGOVL	1103: 0	PAUSE	1311: 0	PHAS8	0201: 0	PHASLD	0381: 0
PREFIX	1477: 0	PRINT	1359: 0	PUNCH	1354: 0	RDINTP	1349: 0	RDTAPE	1382: 0	READ	1336: 0
REWIND	1404: 0	SAME	0991: 0	SAVE	1493: 0	SEQ	1473: 0	SLITE	1456: 0	SNAPEX	0564: 0
SNAPSH	0333: 0	STOP	1315: 0	SWITCH	0882: 0	TABADR	1485: 0	TABLE	1176: 0	TOP3	2600: 0
TPERR	0728: 0	TPREAD	0704: 0	W1	1478: 0	W3	1481: 0	WRONG	1071: 0	WROTTP	1374: 0
WRTAPE	1391: 0	X1	0089: 0	X2	0094: 0	X3	0099: 0				

UNREFERENCED SYMBOLS

CDOVLY PHASLD SNAPEX TOP3 TPERR TPREAD