

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
151			110	DCW	@STNUM FOR@	9		0110			1		
152			*										
153			PHAS30	LDPH	STNUM FOR,LOADAD,BEGN30,,,30					MACRO			
			*	PHAZ	LDPH [PHASID],LOADAD,ENTAD[,SKIPFG,SKIP],[NUMBER][,HALT]					GEN			
			*	XFR	PHASZ PROHIBITED IN A MACRO					GEN			
			*							GEN			
			*	LOAD	A BLOCK					GEN			
			*							GEN			
154			)6J005	EQU	110 PHASE ID			0110		GEN			
155			)6K005	EQU	700 LOAD NEXT PHASE			0700		GEN			
156			)6L005	EQU	704 TAPE READ INSTRUCTION			0704		GEN			
157			)6M005	EQU	728 TAPE ERROR HANDLER			0728		GEN			
			*							GEN			
158				ORG	201				0201				
159			PHAS30	EQU	*&1			0201		GEN			
160				LCA	)9J005,)6J005	7		0201	L 252 110	GEN	2	252	110
161				BCE	)6K005,)6K005,1 Q: LOADING FROM CARDS?	8		0208	B 700 700 1	GEN	2	700	700
162				BCE	)6K005,)6L005&4,0 Q: LOADING FROM AUTOCODER TAPE?	8		0216	B 700 708 0	GEN	2	700	708
163				RTW	1,LOADAD READ THE BLOCK	8		0224	L %U1 /55 R	GEN	2	%U1	1155
164				BER	)6M005 Q: TAPE ERROR?	5		0232	B 728 L	GEN	2	728	
165				CS	BEGN30,)9R005 ENTER THE BLOCK	7		0237	/ /55 256	GEN	3	1155	256
166			)9J005	DCW	@STNUM FOR@ PHASE ID	9		0252		GEN	3		
167				DC	#1	1		0253		GEN	3		
168				DC	@30@ PHASE NUMBER	2		0255		GEN	3		
169			)9R005	DCW	@}@	1		0256		GEN	3		
170				XFR	PHAS30				B 201		3	201	
171			*										
172				ORG	BEGN29				1155				
173			LOADAD	EQU	*&1 LOAD ADDRESS			1155					
174	1	187	BEGN30	LCA	KB1,0&X2	7		1155	L V61 0!0		4	1561	000+2
175	1	194		SW	GM	4		1162	, W54		4	1654	
176	1	198		MCW	X1,X2	7		1166	M 089 094		4	089	094
177	1	205	NXSTMT	BCE	DONE,0&X1,	8		1173	B U52 0|0		4	1452	000+1
178	1	213		MCW	0&X1,SEQCOD	7		1181	M 0|0 |62		4	000+1	1062
179	1	220		SAR	X1	4		1188	Q 089		4	089	
180	1	224		BCE	NOLABL,0&X1,}	8		1192	B V05 0|0 } GMARK		5	1505	000+1
181	1	232		B	HASH COMPUTE HASH PROBE	4		1200	B 964		5	964	
182			*	LOOKUP	IN HASH TABLE								
183	1	236		MCW	NOP,SWITCH	7		1204	M V62 T58		5	1562	1358
184	1	243	LOOKL1	MCW	0&X1,X3	7		1211	M 0|0 099		5	000+1	099
185	1	250		SAR	X1	4		1218	Q 089		5	089	
186	1	254		BW	LOOK2,1&X1	8		1222	V S62 0|1 1		5	1262	001+1
187	1	262		BCE	SWITCH,3&X1,< BOTTOM OF THE TABLE	8		1230	B T58 0|3 <		6	1358	003+1
188	1	270		BCE	UNREF,1&X1, PROBED HASH ENTRY IS EMPTY	8		1238	B T80 0|1		6	1380	001+1
189	1	278		C	3&X1,SOUGHT	7		1246	C 0|3 |51		6	003+1	1051
190	1	285		BU	LOOKL1	5		1253	B S11 /		6	1211	
191	1	290		B	DOUBLE	4		1258	B U14		6	1414	
192	1	294	LOOK2	C	0&X3,SOUGHT	7		1262	C 0?0 |51		6	000+3	1051
193	1	301		BU	LOOKL1	5		1269	B S11 /		7	1211	
194	1	306		MZ	SEQCOD-1,SVZONE	7		1274	Y |61 V63		7	1061	1563

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
195	1	313		MZ	*-4, SEQCOD-1	7		1281	Y S83 |61		7	1283	1061
196	1	320		MCW	SEQCOD, 0&X3	7		1288	M |62 0?0		7	1062	000+3
197	1	327		SBR	X3	4		1295	H 099		7	099	
198	1	331		CW	1&X3 NO WM IN LABEL TABLE MEANS DEFINED	4		1299	) 0?1		7	001+3	
199	1	335		MCW	3&X1, SEQCOD	7		1303	M 0|3 |62		8	003+1	1062
200	1	342		MZ	SVZONE, SEQCOD-1	7		1310	Y V63 |61		8	1563	1061
201	1	349		MCW	SOUGHT, 3&X1	7		1317	M |51 0|3		8	1051	003+1
202	1	356		CW	1&X1 NO WM IN HASH TABLE MEANS DEFINED	4		1324	) 0|1		8	001+1	
203	1	360	LOOK3	MCW	SX1A, X1	7		1328	M |54 089		8	1054	089
204	1	367	NOLABB	SBR	X1, 4&X1 BACK HERE FROM NOLABL	7		1335	H 089 0|4		8	089	004+1
205	1	374		MCW	SEQCOD	4		1342	M |62		9	1062	
206	1	378		B	MOVE	4		1346	B 937		9	937	
207	1	382		B	MOVE	4		1350	B 937		9	937	
208	1	386		B	NXSTMT	4		1354	B /73		9	1173	
209			*										
210	1	390	SWITCH	NOP	UNREF GOT HERE TWICE?	4		1358	N T80		9	1380	
211	1	394		MCW	BRANCH, SWITCH	7		1362	M V64 T58		9	1564	1358
212	1	401		MCW	BNDRY, X1	7		1369	M 849 089		9	849	089
213	1	408		B	LOOKL1	4		1376	B S11		10	1211	
214			*										
215	1	412	UNREF	CS	332	4		1380	/ 332		10	332	
216	1	416		CS		1		1384	/		10		
217	1	417		MN	SEQCOD, 250	7		1385	D |62 250		10	1062	250
218	1	424		MN		1		1392	D		10		
219	1	425		MN		1		1393	D		10		
220	1	426		MCW	ERR19	4		1394	M W11		10	1611	
221	1	430		W		1		1398	2		11		
222	1	431		BCV	*&5	5		1399	B U08 @		11	1408	
223	1	436		B	*&3	4		1404	B U10		11	1410	
224	1	440		CC	1	2		1408	F 1		11		
225	1	442		B	UNREF2	4		1410	B U98		11	1498	
226			*										
227	1	446	DOUBLE	CS	332	4		1414	/ 332		11	332	
228	1	450		CS		1		1418	/		11		
229	1	451		SW	GLOBER	4		1419	, 184		12	184	
230	1	455		MN	SEQCOD, 245	7		1423	D |62 245		12	1062	245
231	1	462		MN		1		1430	D		12		
232	1	463		MN		1		1431	D		12		
233	1	464		MCW	ERR20	4		1432	M W53		12	1653	
234	1	468		W		1		1436	2		12		
235	1	469		BCV	*&5	5		1437	B U46 @		12	1446	
236	1	474		B	*&3	4		1442	B U48		13	1448	
237	1	478		CC	1	2		1446	F 1		13		
238	1	480		B	LOOK3	4		1448	B T28		13	1328	
239			*										
240	1	484	DONE	MCW	SAVBOT, X3	7		1452	M |65 099		13	1065	099
241	1	491		LCA	GM, 0&X3	7		1459	L W54 0?0		13	1654	000+3
242	1	498		SBR	X3	4		1466	H 099		13	099	
243	1	502		SBR	SEQTAB	4		1470	H 148		13	148	
244	1	506		CS	0&X2	4		1474	/ 0!0		14	000+2	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
245	1	510		MCW	SX1,X1	7		1478	M /18 089		14	1118	089
246	1	517		SW	0&X2	4		1485	, 0!0		14	000+2	
247	1	521		BSS	SNAPSH,C	5		1489	B 333 C		14	333	
248	1	558		B	LOADNX	4		1494	B 700		14	700	
249				*									
250	1	562		UNREF2	MCW SX1A,X1	7		1498	M |54 089		14	1054	089
251	1	569		NOLABL	BCE * &5,SEQCOD-3,D DO STATEMENT?	8		1505	B V17 |59 D		14	1517	1059
252	1	577		B	NOLABB	4		1513	B T35		15	1335	
253	1	581		MCW	SAVBOT,X3	7		1517	M |65 099		15	1065	099
254	1	588		MCW	SEQCOD,0&X3	7		1524	M |62 0?0		15	1062	000+3
255	1	595		SBR	X3	4		1531	H 099		15	099	
256	1	599		BCE	TOOBIG,0&X3,<	8		1535	B |66 0?0 <		15	1066	000+3
257	1	607		MCW	SAVBOT,SEQCOD	7		1543	M |65 |62		15	1065	1062
258	1	614		SBR	SAVBOT,1&X3	7		1550	H |65 0?1		16	1065	001+3
259	1	621		B	NOLABB	4		1557	B T35		16	1335	
260	1	625	KB1	DCW	#1	1		1561			16		
261	1	626	NOP	NOP		1		1562	N		16		
262	1	627	SVZONE	DCW	#1	1		1563			16		
263	1	628	BRANCH	B		1		1564	B		16		
264	1	675	ERR19	DCW	@ERROR 19 - UNREFERENCED STMT NUMBER, STATEMENT @	47		1611			18		
265	1	717	ERR20	DCW	@ERROR 20 - DOUBLY DEFINED STMT, STATEMENT @	42		1653			20		
266	1	725	GM	DC	@}@	1		1654		GMARK	20		
267	1	726	GMWM	DCW	@}@	1		1655		GMARK	20		
268				XFR	BEGN30				B /55		20	1155	
269				CLRME	CLRA BEGIN3,GMWM					MACRO			
				*	CLRA CLRBOT,CLRTOP [,ORG,GMWMAD]					GEN			
				*						GEN			
				*	CLEAR CORE AFTER A PHASE USING THE CLRTOP ADDRESS					GEN			
				*						GEN			
270				ORG	201				0201				
				*						GEN			
				*	CLEAR DOWN TO CLRBOT & X00 THE EASY WAY					GEN			
				*						GEN			
271				CLRME	EQU * &1			0201		GEN			
272				)0J006	CS GMWM CLEAR FROM CLRTOP	4		0201	/ W55	GEN	21	1655	
273				SBR	)0J006&3	4		0205	H 204	GEN	21	204	
274				SBR	)0L006&6	4		0209	H 250	GEN	21	250	
275				C	)0J006&3,)0M006 DOWN TO CLRBOT & X00?	7		0213	C 204 261	GEN	21	204	261
276				BU	)0J006	5		0220	B 201 /	GEN	21	201	
				*						GEN			
				*	NOW CLEAR DOWN TO CLRBOT THE HARD WAY					GEN			
				*						GEN			
277				)0K006	C)0L006&6,)0N006	7		0225	C 250 264	GEN	21	250	264
278				BU	)0L006	5		0232	B 244 /	GEN	21	244	
279				CS	LOADNX,)0Q006 LOAD THE NEXT BLOCK AT 1	7		0237	/ 700 271	GEN	22	700	271
280				)0L006	LCA)0P006,0-0 CLEAR WITH BLANK AND WORD MARK	7		0244	L 265 000	GEN	22	265	000
281				SBR	)0L006&6	4		0251	H 250	GEN	22	250	
282				B	)0K006	4		0255	B 225	GEN	22	225	
283				)0M006	DSA)0R006 CLRBOT & X00 - 1	3		0261	899	GEN	22	899	
284				)0N006	DSA BEGIN3 CLRBOT	3		0264	838	GEN	22	838	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
285			)0P006	DCW	#1		1	0265		GEN	22		
286				DC	@CLRA @ IDENTIFY IN A DECK, TAPE, OR DUMP		5	0270		GEN	22		
287			)0Q006	DCW	@}@		1	0271		GEN	23		
288				ORG	BEGIN3&X00				0900				
289			)0R006	EQU	* CLRBOT & X00 - 1			0899		GEN			
290				XFR	CLRME				B 201		23	201	

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)0J006	0201: 0	)0K006	0225: 0	)0L006	0244: 0	)0M006	0261: 0	)0N006	0264: 0	)0P006	0265: 0
)0Q006	0271: 0	)0R006	0899: 0	)6J005	0110: 0	)6K005	0700: 0	)6L005	0704: 0	)6M005	0728: 0
)9J005	0252: 0	)9R005	0256: 0	BEGIN3	0838: 0	BEGN28	0937: 0	BEGN29	1155: 0	BEGN30	1155: 0
BNDRY	0849: 0	BOTTAB	0852: 0	BRANCH	1564: 0	CDOVLY	0700: 0	CLRME	0201: 0	DIFF16	0846: 0
DONE	1452: 0	DOUBLE	1414: 0	ERR19	1611: 0	ERR20	1653: 0	GLOBER	0184: 0	GM	1654: 0
GMWM	1655: 0	HASH	0964: 0	KB1	1561: 0	LOADAD	1155: 0	LOADNX	0700: 0	LOOK2	1262: 0
LOOK3	1328: 0	LOOKL1	1211: 0	MOVE	0937: 0	MOVEDN	0853: 0	NOLABB	1335: 0	NOLABL	1505: 0
NOF	1562: 0	NXSTMT	1173: 0	PHAS30	0201: 0	PHASLD	0381: 0	SAUCE	3200: 0	SAVBOT	1065: 0
SEQCOD	1062: 0	SEQTAB	0148: 0	SNAPEX	0564: 0	SNAPSH	0333: 0	SOUGHT	1051: 0	SVZONE	1563: 0
SWITCH	1358: 0	SX1	1118: 0	SX1A	1054: 0	TOOBIG	1066: 0	TOP3	2600: 0	TOPCD9	0840: 0
TPERR	0728: 0	TPREAD	0704: 0	UNREF	1380: 0	UNREF2	1498: 0	X1	0089: 0	X2	0094: 0
X3	0099: 0										

UNREFERENCED SYMBOLS

BEGN28 BOTTAB CDOVLY DIFF16 MOVEDN PHASLD SAUCE SNAPEX TOP3 TOPCD9 TPERR TPREAD