

1028

0001	1	R	U	N	C	I	B	L	E	I
0002	1	CASE INSTITUTE OF TECHNOLOGY								
0003	1	SEPTEMBER 1959								
0004	1	SUPERSOAP FORM								
0005	1	USES INDEXING REGISTERS								
0006	1	AND IMMEDIATE ACCESS STORAGE								
0007	1									
0008		A0001	BLR	0400	0499	ABCON TBLE				
0009		B0001	EQU	0868						
0010		C0001	EQU	9000						
0011		D0001	EQU	0880	PUNCH PROC					
0012		E0001	BLR	1040	1049	PAREN STOR				
0013		F0001	BLR	1700	1703	SYMBL TBLE				
0014		G0001	BLR	0007	0036	STMNT STOR				
0015		H0001	EQU	9020						
0016		I0001	BLR	0613	0617	ITERA PROC				
0017		J0001	EQU	0501	PROGRM PTS					
0018		K0001	EQU	0829	NAMED SUBR					
0019		L0001	EQU	0863	PUNCH PROC					
0020		M0001	BLR	0200	0203	SYMBL TBLE				
0021		N0001	BLR	0568	0591	ITERA STOR				
0022		O0001	EQU	0900	OPERATIONS					
0023		P0001	BLR	1000	1010	SCAN BRNCH				
0024		Q0001	BLR	0250	0297	SYMBL TBLE				
0025		R0001	BLR	0630	0639	MATRIX NOT				
0026		S0001	BLR	0150	0177	SYMBLPAIRS				
0027		T0001	BLR	1050	1059	PAREN STOR				
0028		U0001	BLR	0300	0305	SYMBL TBLE				
0029		V0001	BLR	0350	0359	SYMBL TBLE				
0030		W0001	EQU	9050						
0031		X0001	EQU	1115	XYVARIANCE					
0032		Y0001	EQU	0984	BLR CARD					
0033		Z0001	EQU	0962	ABVARIANCE					
0034		50001	EQU	0994	5PER BRNCH					
0035		ARMAL	EQU	0048						
0036		ARITH	EQU	9012						
0037		BETA	EQU	9013						
0038		COUNT	EQU	9014						
0039		INTGR	EQU	9015						
0040		EXIT4	EQU	9016						
0041		TEST	EQU	9017						
0042		1D	EQU	9018						
0043		ALO	EQU	9019						
0044		TEMP2	EQU	9032						
0045		VR1	EQU	9033						
0046		QUOTA	EQU	9034						
0047		FLAG	EQU	9035						
0048		TALLY	EQU	9036						
0049		SD001	EQU	9037						
0050		ADDK	EQU	9038						
0051		EXIT0	EQU	9039						
0052		1I	EQU	9040						
0053		10I	EQU	9041						
0054		2I	EQU	9042						
0055		2D	EQU	9043						
0056		NINE0	EQU	9044						
0057		4D	EQU	9045						
0058		5D	EQU	9046						
0059		51D	EQU	9047						
0060		6I	EQU	9048						

0061	10D	EQU	9049		
0062	ALARM	EQU	0049		
0063	AD	EQU	0378		EQUIVLENCE
0064	EKFK	EQU	0379		OF VARIOUS
0065	HIFF	EQU	0380		SYMBOLS
0066	IT	EQU	0381		FOR
0067	MF	EQU	0382		OVERLAY
0068	EDIT1	EQU	0383		OR OTHER
0069	PNCH	EQU	0384		PURPOSES
0070	END	EQU	0385		
0071	LARMA	EQU	0386		
0072	SETS	EQU	0399		
0073	SRAC	EQU	0500		
0074	ENTER	SYN	0566		
0075	IN3	EQU	0800		
0076	IN10	EQU	0801		
0077	IN7	EQU	0802		
0078	EE	EQU	0999		
0079	NR	SYN	1098		
0080	RR	SYN	1099		
0081	UPPR3	FQU	1100		
0082	FLIK	FQU	1101		
0083	EXIT3	EQU	C0001		
0084	JAY	EQU	C0002		
0085	LDCH5	EQU	C0003		
0086	PN2	EQU	C0004		
0087	V1	EQU	C0005		
0088	NU	EQU	C0006		
0089	RELAT	EQU	C0007		
0090	K	EQU	C0008		
0091	EXIT2	EQU	C0009		
0092	MU	EQU	C0010		
0093	EXIT1	EQU	C0011		
0094	TEMP1	EQU	C0012		
0095	N	FQU	H0001		
0096	NBAR	FQU	H0002		
0097	L	EQU	H0003		
0098	R	EQU	H0004		
0099	GAMMA	EQU	H0007		
0100	FFBIT	EQU	H0008		
0101	PC	EQU	H0009		
0102	PSI	EQU	H0010		
0103	U	FQU	H0011		
0104	TAU	EQU	H0012		
0105		BLR	0218	0220	+PECIS(
0106		BLR	0228	0231	CH\$)\$CTE)+
0107		BLR	0238	0239	
0108		BLR	0248	0249	
0109	BIG73	EQU	Q0010		
0110		BLA	0275	0275	Q TABLE
0111		BLA	0281	0285	OPENINGS
0112		BLA	0293	0293	
0113		BLR	0000	0006	TYPES A B
0114		BLR	0047	0149	INSTR STOR
0115		BLR	0329	0349	TYPES A B
0116		BLR	0378	0399	TYPES A B
0117		BLR	0500	0555	TYPES A B
0118		BLR	0770	0999	TYPES A B
0119		BLR	1100	1204	TYPES X Y
0120		SYN	1234		ALARM ROUT

0121		SYN	1492		ALARM ROUT				
0122		BLR	1566	1578	FRFF LOCNS				
0123		BLR	1579	1664	TYPFS A B				
0124		BLR	1800	1806	TYPES X Y				
0125		BLR	1900	1906	TYPES A B				
0126		BLR	1951	1962	READ AREA				
0127		BLR	1992	1999	TYPES A B				
0128	8000	RD1	1999	9999	PROG START	8000	+70	1999	9999
0129	1								
0130	1				COMMON INSTRUCTIONS				
0131	1				FOR ALL MODES OF OPERATION				
0132	1								
0133		TAU28	LOD	PS	PS1	FROM INITI	0182	+69	0185 0038
0134		PS1	STD	TAU	3F	ALIZATION	0038	+24	9031 0044
0135		3	STL	RHO	PS	ROUTINE	0044	+20	0199 0185
0136	1								
0137	1								
0138		PS	RAU	FFBIT		CHECK FOR	0185	+60	9027 0043
0139			NZU	9F	1F	FF ON	0043	+44	0197 0198
0140		9	LOD	4F	END	PREV CARD	0197	+69	0600 0385
0141		1234	RAA	1F	RD1	1234 START	1234	+80	0198 0040
0142		1	RAU	C0007	RHO	CHECK	0198	+60	9006 0199
0143		RHO2	NZU		LARM	STMNT NUM	0042	+44	0045 0046
0144			ALO	2F	ADFLP	FOLLOWING	0045	+15	0298 0603
0145		8002	STU	N0019	1F	ITERATION	8002	+21	0586 0039
0146		2	STU	N0000	1F	STATEMENT	0298	+21	0567 0039
0147		1	RAL	RHO1	3B		0039	+65	0192 0044
0148		RHO1	STU	0000		STORE STNO	0192	+21	0000 0653
0149			STL	TALLY	1F	TALLY ZERO	0653	+20	9036 0210
0150		1	RAU	C0004			0210	+60	9003 0217
0151			SRT	0004		UNSCRAMBLE	0217	+30	0004 0227
0152			SLO	8002		SOAP III	0227	+16	8002 0235
0153			STD	INTGR		INPUT	0235	+24	9015 0041
0154			ALO	C0002		FORMAT	0041	+15	9001 0299
0155			SLT	0004			0299	+35	0004 0209
0156			STU	C0002			0209	+21	9001 0317
0157			SLT	0006			0317	+35	0006 0181
0158			ALO	INTGR			0181	+15	9015 0189
0159			SLT	0002			0189	+35	0002 0195
0160			SLO	8002			0195	+16	8002 0703
0161			STD	FLAG			0703	+24	9035 0309
0162			ALO	C0003			0309	+15	9002 0367
0163			SLT	0002			0367	+35	0002 0223
0164			STU	C0003			0223	+21	9002 0281
0165			SLT	0008			0281	+35	0008 0599
0166			ALO	FLAG			0599	+15	9035 0207
0167			SLT	0002			0207	+35	0002 0213
0168			STU	C0004			0213	+21	9003 0221
0169			RAL	TALLY		ALARM IF	0221	+65	9036 0179
0170			SLO	3F		MORE THAN	0179	+16	0232 0037
0171			BMI		LARM	FIVE CARDS	0037	+46	0190 0046
0172			ALO	4F		TO STMNT	0190	+15	0600 0205
0173			STL	TALLY		INCREMENT	0205	+20	9036 0212
0174			SRT	0004		TALLY	0212	+30	0004 0323
0175			ALO	2F		MOVE STATE	0323	+15	0226 0681
0176			LOD	CNCT3	SR2	MENT INTO	0681	+69	0184 0187
0177		2	06	C0001	G9995	STORAGE	0226	+06	9000 0001
0178		CNCT3	RAU	C0006			0184	+60	9005 0191
0179			SRT	0006	CNNCT		0191	+30	0006 0605
0180		CNNCT	STU	GAMMA		PREPARE TO	0605	+21	9026 0313

0181		STL	L		SCAN	0313	+20	9022	0320		
0182		LOD	TALLY		QUOTA Z	0320	+69	9036	0326		
0183		STD	QUOTA		TALLY	0326	+24	9034	0282		
0184		RAU	8002			0282	+60	8002	0241		
0185		SUP	F		CHECK FOR	0241	+11	0194	0649		
0186		NZU		1F	F IN COL70	0649	+44	0753	0204		
0187		RAA	1B	RD2		0753	+80	0210	0559		
0188	1	RAL	51D		STATEMENT	0204	+65	9047	0211		
0189		STD	U		IS NOW	0211	+24	9030	0567		
0190		STU	CHI		STORED	0567	+21	0222	0225		
0191		STD	RELAT	CNCT1	INITIALIZE	0225	+24	9006	0731		
0192	CNCT1	STU	V1	X0020	PERTINENT	0731	+21	9004	1134		
0193		NXT	0000	0000	COUNTERS						
0194	8000	NOP	0047	ININI		8000	+00	0047	0247		
0195	ININI	STD	T0001			0247	+24	1050	1253		
0196		STD	NU			1253	+24	9005	0609		
0197		STD	JAY			0609	+24	9001	0215		
0198		STD	PN2			0215	+24	9003	0321		
0199		STD	THRU	NL		0321	+24	0224	0327		
0200	3	00	0024	9876		0232	+00	0024	9876		
0201	4	00	0030	9876		0600	+00	0030	9876		
0202	5	3F	EQU	3B							
0203	5	4F	EQU	4B							
0204	5	3	00	0024	3F	0232	+00	0024	0186		
0205	5	4	00	0030	3F	0600	+00	0030	0186		
0206	5	3	WTM	8012		0186	+56	8012	0641		
0207	5		RWT	8012		0641	+55	8012	0196		
0208	5		RAL	3F		0196	+65	0699	1303		
0209	5		HLT	1111	8002	1303	+01	1111	8002		
0210	5	3	RD1	1951	8989	0699	+70	1951	8989		
0211	1										
0212	1										
0213		ENTER	LOD	L	SYMBOL	0566	+69	9022	0322		
0214			STD	R	PAIR	0322	+24	9023	0178		
0215			RAL	1F	SCANNER	0178	+65	1031	0285		
0216			LOD		SCAN	0285	+69	0188	0691		
0217			STL	L		0188	+20	9022	0246		
0218			STD	INTGR		0246	+24	9015	0602		
0219			SLO	NINEO	SET ALL	0602	+16	9044	0659		
0220			BMI	CHAR	INTEGERS	0659	+46	0312	0363		
0221			RAL	NININ	TO 99	0363	+65	0216	0371		
0222	1		RAL	NINEO	ON LFTHAND	1031	+65	9044	0371		
0223	2		STL	L	END L Z 90	0371	+20	9022	0328		
0224	CHAR		RAL	L		0312	+65	9022	0328		
0225	2		SCT	0002	SET	0328	+36	0002	0685		
0226			ALO	R	OVERFLOW	0685	+15	9023	0193		
0227			SLT	0008	IS THE	0193	+35	0008	0311		
0228			STU	TEMP1	LR PAIR	0311	+21	9011	0319		
0229			TLU	S0001	SPECIAL	0319	+84	0150	0315		
0230			ALO		IF SO	0315	+15	0318	8002		
0231			55	0000	GO TO	0318	+55	0000	0373		
0232			SLO	TEMP1	PROPER	0373	+16	9011	1081		
0233			SLT	0004	GENERATOR	1081	+35	0004	0741		
0234			NZU	1F		0741	+44	0245	8002		
0235	1										
0236		S0001	62	9947	BN	B INT	S	0150	+62	9947	0361
0237		S0002	64	6647	2F	D F		0151	+64	6647	0307
0238		S0003	65	6447	AD	E D	TABLE	0152	+65	6447	0378
0239		S0004	65	7247	EK	E K		0153	+65	7247	0601
0240		S0005	65	7947	Z0022	E R	OF	0154	+65	7947	0983

0241	S0006	66	6647	3F	F F		0155	+66	6647	0651
0242	S0007	66	7247	FK	F K	ALL	0156	+66	7247	0701
0243	S0008	67	6645	Z0020	G F		0157	+67	6645	0981
0244	S0009	68	6647	4F	H F	SPE	0158	+68	6647	0751
0245	S0010	68	7947	HR	H R	CIAL	0159	+68	7947	1251
0246	S0011	69	6645	IF	I F		0160	+69	6645	0598
0247	S0012	69	7247	IT	I K		0161	+69	7247	0381
0248	S0013	72	6647	ITERA	K F	AD	0162	+72	6647	0621
0249	S0014	73	6647	Z0021	L F	MISS	0163	+73	6647	0982
0250	S0015	74	6647	MF	M F	IBLE	0164	+74	6647	0382
0251	S0016	74	7347	MINL	M L		0165	+74	7347	0377
0252	S0017	74	9945	MINN	M INT		0166	+74	9945	0629
0253	S0018	75	7347	NL	N L		0167	+75	7347	0327
0254	S0019	75	9947	ENTER	N INT		0168	+75	9947	0566
0255	S0020	79	7347	REM	R L		0169	+79	7347	1091
0256	S0021	82	6647	BYPAS	S F	SYMBOL	0170	+82	6647	0376
0257	S0022	83	6647	4F	T F		0171	+83	6647	0751
0258	S0023	83	6847	TH	T H	PAIRS	0172	+83	6847	0628
0259	S0024	83	9947	5F	T INT		0173	+83	9947	0183
0260	S0025	90	7247	ENDT	90 K		0174	+90	7247	0679
0261	S0026	90	7347	PUNCH	90 L		0175	+90	7347	0180
0262	S0027	99	7347	NR	INT L		0176	+99	7347	1098
0263	S0028	99	9947	NN	INT INT		0177	+99	9947	0682
0264	1									
0265	2	RAU	Z0010	FNEND	READ	STMNT	0307	+60	0971	0275
0266	3	RAU	SDFGT		FFBIT	ON	0651	+60	0604	0709
0267		SDA	FFBIT	ENTER			0709	+22	9027	0566
0268	4	RAL	PSI		TEST	IF	0751	+65	9029	0759
0269		NZE	6F		IN	ITERA	0759	+45	0362	0563
0270		RAU	FFBIT	6F			0563	+60	9027	0362
0271	6	AUP	HLT	2F	HALT	STMNT	0362	+10	0365	0369
0272	BYPAS	RAU	NOP	2F	Q	BYPASS Q	0376	+60	0729	0369
0273	2	AUP	RALUP	FNEND	DA	NONZERO	0369	+10	0372	0275
0274	5	LOD		SRN	SET	STOP	0183	+69	0236	0689
0275		LOD	4B	GENN	INDICATION		0236	+69	0751	0654
0276	1									
0277	1	RAU	L		PAIR	NOT	0245	+60	9022	1353
0278		LOD	1F	TLULT	SPECIAL		1353	+69	0206	1209
0279	TLULT	STD	EXIT1		TABLE		1209	+24	9010	0565
0280		STU	TEMP2		LOOKUP		0565	+21	9032	0623
0281		TLU	Q0001		ON	SYMBOL	0623	+84	0250	0665
0282		ALO		8002	IN	8003	0665	+15	0368	8002
0283		RAL	0000		CHECK		0368	+65	0000	0655
0284		SLO	TEMP2		Q	TABLE	0655	+16	9032	0663
0285		SLT	0002		FIRST		0663	+35	0002	0619
0286		NZU	ALARM				0619	+44	0049	0324
0287		SLT	0004		SYMBOL		0324	+35	0004	0735
0288		BOV		3F	FOUND		0735	+47	0688	0240
0289		STU	EXIT0	3F	EXIT0	Z DA	0688	+21	9039	0240
0290	3	SLT	0004	EXIT1			0240	+35	0004	9010
0291	1	AUP	1000I		TRANSFER		0206	+10	1259	0713
0292		LOD	R	8003	TO	P TABLE	0713	+69	9023	8003
0293	1									
0294	Q0001	61	0000	0003	A	Q	0250	+61	0000	0003
0295	Q0002	63	1003	0006	C	TABLE	0251	+63	1003	0006
0296	Q0003	64	0400	0000	D	OF	0252	+64	0400	0000
0297	Q0004	66	0000	0009	F	SYMBOLS	0253	+66	0000	0009
0298	Q0005	67	0000	0007	G		0254	+67	0000	0007
0299	Q0006	68	HIFF	0005	H		0255	+68	0380	0005
0300	Q0007	69	0001	0006	I		0256	+69	0001	0006

0301	Q0008	71	0000	0004	J		0257	+71	0000	0004
0302	Q0009	72	0600	0000	K		0258	+72	0600	0000
0303	Q0010	73	0000	0000	L		0259	+73	0000	0000
0304	Q0011	74	MINL	0005	M		0260	+74	0377	0005
0305	Q0012	76	0000	0008	O		0261	+76	0000	0008
0306	Q0013	77	0100	0000	P		0262	+77	0100	0000
0307	Q0014	78	EE	0001	Q		0263	+78	0999	0001
0308	Q0015	79	RR	0001	R		0264	+79	1099	0001
0309	Q0016	82	0600	0000	S		0265	+82	0600	0000
0310	Q0017	83	TH	0005	T		0266	+83	0628	0005
0311	Q0018	84	7F	0010	U	RE	0267	+84	0370	0010
0312	Q0019	85	8F	0010	V	LA	0268	+85	0242	0010
0313	Q0020	86	9F	0010	W	TIONS	0269	+86	0749	0010
0314	Q0021	87	0400	0000	X		0270	+87	0400	0000
0315	Q0022	88	1002	0006	Y		0271	+88	1002	0006
0316	Q0023	89	0100	0000	Z		0272	+89	0100	0000
0317	Q0024	90	WY	0005	90		0273	+90	0627	0005
0318	Q0025	99	NR	0001	INT		0274	+99	1098	0001
0319	1									
0320	P0001	TLU	U0001	1F	TABLE	LOOK	1000	+84	0300	0715
0321	P0002	TLU	V0001	1F	UP	ON R	1001	+84	0350	0715
0322	P0003	NOP	0000	EXITO			1002	+00	0000	9039
0323	P0004	LOD	AL	UCHCK	ABS	VALUE	1003	+69	0306	1309
0324	P0005	RAU	ENTST	PN	DEC	POINT	1004	+60	0557	0561
0325	P0006	TLU	M0001	1F	VARIABLES		1005	+84	0200	0715
0326	P0007	TLU	F0001		SUBSCRIPTS		1006	+84	1700	0765
0327		ALO	5F		CHECK	IF	0765	+15	0618	0673
0328		RAL	8002	CHKAR	FIXED	PT	0673	+65	8002	1231
0329	P0008	RAU	R		GO	GENRATR	1007	+60	9023	1015
0330		AUP	2D		OVERFLOW		1015	+10	9043	0723
0331		STU	R	P0007	IGNORE	O	0723	+21	9023	1006
0332	P0009	RAU	THRU		WHEN	THRU	1008	+60	0224	1029
0333		NZU	ENTST	P0008	WAS	SENSED	1029	+44	0557	1007
0334	P0010	RAL	1I		IF	SENSED	1009	+65	9040	0667
0335		SLO	JAY		INSERT	AN	0667	+16	9001	0325
0336		STL	JAY		L	THE	0325	+20	9001	0732
0337		NZE		1B	FIRST	TIME	0732	+45	0686	0206
0338		RAU	BIG73	INSET	THROUGH		0686	+60	0259	0763
0339	P0011	LOD	L	ML	RELATIONS		1010	+69	9022	0316
0340	1									
0341	1	ALO	5F	8002			0715	+15	0618	8002
0342	5	RAL	0000				0618	+65	0000	0705
0343		SLO	R				0705	+16	9023	1013
0344		SCT	0004		SYMBOL		1013	+36	0004	1023
0345		NZU	ALARM	8002	FOUND		1023	+44	0049	8002
0346	1									
0347		U0001	63	0045	WY	C U	0300	+63	0045	0627
0348		U0002	69	0045	WY	I TABLE	0301	+69	0045	0627
0349		U0003	73	0045	WL	L	0302	+73	0045	1063
0350		U0004	82	0047	ENTER	S	0303	+82	0047	0566
0351		U0005	88	0045	WY	Y	0304	+88	0045	0627
0352		U0006	99	0045	ZN	INT	0305	+99	0045	0310
0353	1									
0354		V0001	64	0047	START	D V	0350	+64	0047	0607
0355		V0002	66	0047	NF	F TABLE	0351	+66	0047	1301
0356		V0003	72	0047	COMMA	K	0352	+72	0047	0611
0357		V0004	77	0047	START	P	0353	+77	0047	0607
0358		V0005	78	0047	EXITO	Q	0354	+78	0047	9039
0359		V0006	79	0047	EXITO	R	0355	+79	0047	9039
0360		V0007	82	0047	START	S	0356	+82	0047	0607

0361	V0008	87	0047	START	X		0357	+87	0047	0607
0362	V0009	89	0047	NZ4	Z		0358	+89	0047	0214
0363	V0010	99	9999	9999	TABLE	END	0359	+99	9999	9999
0364	1									
0365	M0001	63	0047	EXITO	C	M	0200	+63	0047	9039
0366	M0002	69	0047	EXITO	I	TABLE	0201	+69	0047	9039
0367	M0003	88	0047	EXITO	Y		0202	+88	0047	9039
0368	M0004	99	9999	9999	TABLE	END	0203	+99	9999	9999
0369	1									
0370	F0001	69	0047	II	I	F	1700	+69	0047	0650
0371	F0002	73	0047	IL	L	TABLE	1701	+73	0047	0661
0372	F0003	75	0047	YMTX	N		1702	+75	0047	0717
0373	F0004	99	0047	IN	INT		1703	+99	0047	0208
0374	1									
0375	1									
0376		START	LOD	EXITO		START OF	0607	+69	9039	1213
0377			BD1		1F	NEW OPRAND	1213	+91	0366	0668
0378			RAL	ID	2F	NR PTS ACC	0366	+65	9018	1073
0379	1		RAL	WIN		IN LDCH5	0668	+65	0671	0375
0380			ALO	K	2F	EE OR RR	0375	+15	9007	1073
0381	2		SDA	LDCH5		PUTS W000K	1073	+22	9002	0680
0382			RAU	JAY		IN LDCH5	0680	+60	9001	0237
0383			NZU		1F	IF RELAT	0237	+44	1241	0592
0384			STL	JAY		PASSED	1241	+20	9001	0648
0385			LOD		NGLNA	NEGATE RHS	0648	+69	1351	0704
0386			RAL		CHKNK	AND INSERT	1351	+65	0754	1359
0387			RAU	BIG79	INSET	AN R	0754	+60	0657	0763
0388	1		LOD		SIMPL	IF NOT GO	0592	+69	0595	0698
0389			RAU	ARITH		THRU SIMPL	0595	+60	9012	1403
0390			SLT	0008		ADD ARITH	1403	+35	0008	0721
0391			AUP	COUNT		TO OP OF	0721	+10	9014	1079
0392			ALO	2F	ADDK	COUNT AND	1079	+15	1032	9038
0393		8002	STU	E0010	1F	STORE IN	8002	+21	1049	0652
0394	2		STU	E0001	1F	E000K	1032	+21	1040	0652
0395	1		RAL	2F	ADDK		0652	+65	0755	9038
0396		8002	STU	T0010	1F		8002	+21	1059	0562
0397	2		RAL	T0001	1F	INSERT R	0755	+65	1050	0562
0398	1		AUP	X0014		INTO OP	0562	+10	1128	0233
0399			AUP	K		OF	0233	+10	9007	1291
0400			LOD	R		T000K	1291	+69	9023	0597
0401			SDA	TEMP2	8003		0597	+22	9032	8003
0402	1									
0403	1									
0404	1									
0405		ACRU	STD	EXITO		SCAN	1254	+24	9039	0360
0406			SUP	8003		UNTIL	0360	+11	8003	0767
0407			STD	TEMP1		SYMBOL	0767	+24	9011	1223
0408			STU	NBAR		IN	1223	+21	9021	1281
0409			STD	N	1F	8003	1281	+24	9020	0687
0410	1		LOD		SCAN	IS	0687	+69	0640	0691
0411			SLO	TEMP1		MET	0640	+16	9011	0647
0412			NZE		EXITO		0647	+45	0700	9039
0413			ALO	8001			0700	+15	8001	0707
0414			SLT	0002		ACCUMULATE	0707	+35	0002	1263
0415			ALO	N		OTHER	1263	+15	9020	1021
0416			SRT	0002		SYMBOLS	1021	+30	0002	0677
0417			STL	N		IN N	0677	+20	9020	0234
0418			RAL	NBAR		AND THE	0234	+65	9021	1341
0419			ALO	1I		NUMBER	1341	+15	9040	1249
0420			STL	NBAR		OF THEM	1249	+20	9021	0556

0421		RAL	EXIT2	1B	IN NBAR	0556	+65	9008	0687
0422	1								
0423		ADDK	ALO	K	8002	9038	+15	9007	8002
0424	1								
0425		ADFLP	ALO	FLOP1	8002	0603	+15	0606	8002
0426	1								
0427		CHGOP	STD	EXIT1		0626	+24	9010	1082
0428			STU	TEMP2		1082	+21	9032	0739
0429			RAM	8002	CHGE1	0739	+67	8002	0697
0430		CHGE1	SRT	0004		0697	+30	0004	0757
0431			RAA	8002		0757	+80	8002	1065
0432			RAL	0	A	1065	+65	2000	1205
0433			ALO	TEMP2		1205	+15	9032	1313
0434			STL	0	A	1313	+20	2000	9010
0435	1								
0436		CHGSR	LOD	EXIT3	UCHGE	1035	+69	9000	1391
0437	1								
0438		CHKAR	AUP	ARITH	1F	1231	+10	9012	1039
0439		CHKNK	AUP	K	1F	1359	+10	9007	1039
0440		1	NZU	2F	8002	1039	+44	0243	8002
0441		2	RAL	LDD	LARM	0243	+65	0596	0046
0442	1								
0443		CHKNN	STD	EXIT4		0642	+24	9016	0748
0444			SUP	1000I		0748	+11	1259	1363
0445			BMI		1F	1363	+46	0666	1017
0446			AUP	8001	EXIT4	0666	+10	8001	9016
0447		1	RAL	RSL	LARM	1017	+65	0620	0046
0448	1								
0449		CHKOP	STD	EXIT1	1F	1248	+24	9010	1304
0450		UCHCK	STD	EXIT1		1309	+24	9010	1215
0451			RAL	U	1F	1215	+65	9030	1304
0452		1	ALO		8002	1304	+15	1207	8002
0453			66	9999		1207	+66	9999	1453
0454			SRT	0008		1453	+30	0008	1071
0455			SLT	0008	EXIT1	1071	+35	0008	9010
0456	1								
0457		COMMA	RAL		SETJN	0611	+65	0314	0669
0458			STU	LDCH5		0314	+21	9002	1221
0459			LOD		SIMPL	1221	+69	0374	0698
0460			RAU	COUNT		0374	+60	9014	1331
0461			ALO	3F	ADDK	1331	+15	0284	9038
0462		8002	STU	T0010	1F	8002	+21	1059	0612
0463		3	STU	T0001	1F	0284	+21	1050	0612
0464		1	RAU	8003	EXIT0	0612	+60	8003	9039
0465	1								
0466		COMPL	STD	EXIT1		1265	+24	9010	1271
0467			RAU	8003	X0021	1271	+60	8003	1135
0468		COMP1	LOD		SD001	1067	+69	0670	9037
0469			STU	9999		0670	+21	9999	0702
0470			RAL		UINC	0702	+65	1255	1409
0471			SUP	MAXU		1255	+11	0308	1413
0472			SRD	0010		1413	+31	0010	0737
0473			BMI	EXIT1	LARM	0737	+46	9010	0046
0474	1								
0475		CURT1	STD	EXIT1	1F	0624	+24	9010	0730
0476		1	MPY	1I		0730	+19	9040	1503
0477			AUP	ALO		1503	+10	9019	0711
0478			BOV		1F	0711	+47	0364	0716
0479			MPY	10I		0364	+19	9041	1037
0480			SLT	0001	1B	1037	+35	0001	0730

0481	1	RAU	8002	EXIT1		0716	+60	8002	9010
0482	1								
0483		DECOM	STD	EXIT2	DECOMPILE	1232	+24	9008	0738
0484			ALO	COUNT	TWO IN	0738	+15	9014	0645
0485		DECM3	LOD	8003	STRUCTIONS	0645	+69	8003	0752
0486			SDA	NBAR	IF THEY	0752	+22	9021	0558
0487			LOD		ARE UN	0558	+69	0761	0564
0488			BDO		NECESSARY	0761	+90	1315	0766
0489			RSL	2I	AND COM	1315	+66	9042	1273
0490			LOD	1F	PILE NEW	1273	+69	0766	0719
0491	1	RAU	NBAR	FINCM	INSTRCTION	0766	+60	9021	1323
0492	1								
0493		DROPK	AUP	K	DECREMENT	0692	+10	9007	1299
0494			NZU		K	1299	+44	1553	0243
0495			SUP	1D	BY	1553	+11	9018	1011
0496			STU	K	8002	1011	+21	9007	8002
0497	1								
0498		DROPU	AUP	U	DECREMENT	0747	+10	9030	1305
0499			SUP	1D	U	1305	+11	9018	1463
0500			STU	U	8002	1463	+21	9030	8002
0501	1								
0502		DRPSI	AUP	PSI	DECREMENT	1401	+10	9029	1459
0503			SUP	1D	PSI	1459	+11	9018	1217
0504			STU	PSI	8002	1217	+21	9029	8002
0505	1								
0506		ENTCM	LOD	ENTER	COMPL	1355	+69	0566	1265
0507	1								
0508		ENTST	RAL	ENTER	SETEL	0557	+65	0566	1321
0509	1								
0510		FINCM	LOD	EXIT2	COMPL	1323	+69	9008	1265
0511	1								
0512		FLOP	STD	EXIT2	MOVE	1061	+24	9008	1267
0513			RAU	PSI	SIX	1267	+60	9029	0625
0514			MPY	6I	WORDS	0625	+19	9048	1349
0515			STL	FLOP1	TO	1349	+20	0606	1509
0516			ALO		REGION	1509	+15	0662	1317
0517			06	0562	T0001	0662	+06	0562	1050
0518	1		LOD		SR2	1317	+69	0720	0187
0519			RAU	T0005	EXIT2	0720	+60	1054	9008
0520	1								
0521		FNEND	LOD	PUNCH	COMPL	0275	+69	0180	1265
0522	1								
0523		GENN	STD	EXIT0	COMPILE	0654	+24	9039	0560
0524			RAU		RAL ABCON	0560	+60	1513	1367
0525			LOD		IN N	1513	+69	1016	0500
0526			LOD		COMPL	1016	+69	0769	1265
0527			LOD	TEST	IF ARITH	0769	+69	9017	0675
0528			BD7		DECIMAL	0675	+97	0678	9039
0529			RAU	ARITH	CONVERT	0678	+60	9012	1085
0530			NZU		FLOATING	1085	+44	1089	9039
0531			RAU		ABCON	1089	+60	0742	1097
0532			08	0000	9013	0742	+08	0000	9013
0533	1								
0534		GETM1	STD	EXIT3	BRING	0283	+24	9000	1239
0535			LOD		OUT	1239	+69	1092	0695
0536			ALO		8002	1092	+15	0745	8002
0537			64	9999	EXIT3	0745	+64	9999	9000
0538	1								
0539		GETM2	STD	EXIT1	EXTRACT	0695	+24	9010	1451
0540			RAU	COUNT	DIGITS	1451	+60	9014	1559

0541		SLT	0007		1 2 3	1559	+35	0007	0725
0542		SRT	0003		OF	0725	+30	0003	0683
0543		RAL	8003	EXIT1	COUNT	0683	+65	8003	9010
0544	1								
0545		GTNU	STD	EXIT3	GET QUOTE	0244	+24	9000	0750
0546			RAL	NU	NEST DEPTH	0750	+65	9005	1257
0547			SRT	0009		1257	+30	0009	0727
0548			SLT	0004		0727	+35	0004	1087
0549			RAU	8002	EXIT3	1087	+60	8002	9000
0550	1								
0551		GTOPN	STD	EXIT1	ISOLATE	0564	+24	9010	1020
0552			RAL	COUNT	DIGIT 4	1020	+65	9014	1027
0553			SRT	0003	OF COUNT	1027	+30	0003	1235
0554			RAU	8002	AND	1235	+60	8002	0293
0555			SLT	0009	SUBTRACT	0293	+35	0009	1563
0556			AUP	NINE0	ONE IF	1563	+10	9044	1371
0557			BOV	1F	NONZERO	1371	+47	0674	0676
0558			SUP	8001	EXIT1	0676	+11	8001	9010
0559	1		LOD	Z		0674	+69	1077	1030
0560			SRT	0001	EXIT1	1030	+30	0001	9010
0561	1								
0562		INCXK	SUP	9D	INCREMENT	1211	+11	0664	1019
0563			NZU		LARMC	1019	+44	1373	0724
0564			AUP	10D	8002	1373	+10	9049	8002
0565	1								
0566		INSET	LOD	CHAR	INSRT	0763	+69	0312	1365
0567		INSRT	STD	EXIT4	INSERT	1365	+24	9016	1421
0568			ALO	INTGR	8003 INTO	1421	+15	9015	1229
0569			STU	L	L	1229	+21	9022	1237
0570			AUP	GAMMA	AND	1237	+10	9026	1095
0571			SLT	0002	RESTORE	1095	+35	0002	1501
0572			STU	GAMMA	EXIT4	1501	+21	9026	9016
0573	1								
0574		LDCH2	STD	EXIT2	CHECK	1423	+24	9008	1279
0575			RAL	U	2F	1279	+65	9030	1287
0576		LDDCH	STD	EXIT2	OR CHECK	1025	+24	9008	1381
0577			LOD		GETM2	1381	+69	0684	0695
0578			SLO	1D	2F	0684	+16	9018	1287
0579	2		STL	TEMP1	FOR	1287	+20	9011	0594
0580			LOD		CHKOP	0594	+69	1247	1248
0581			NZE	X0002	OPERATION	1247	+45	1116	1551
0582			RAU	LDD	CHANGE TO	1551	+60	0596	1751
0583			SLO	1D	LOD STD	1751	+16	9018	1709
0584			ALO	TEMP1	PAIR	1709	+15	9011	1417
0585			LOD		CHGOP	1417	+69	1070	0626
0586			RAU	STD	LDCH1	1070	+60	1473	1227
0587		LDCH1	AUP	LDCH5	COMPILE	1227	+10	9002	1285
0588			ALO	TEMP1	STORE IN	1285	+15	9011	0593
0589			LOD	EXIT2	LDCH5	0593	+69	9008	1399
0590			STD	EXIT1	COMP1	1399	+24	9010	1067
0591	1								
0592		MOVUP	STD	EXIT3	MOVE	0719	+24	9000	1075
0593			STL	LDCH5	COMPILED	1075	+20	9002	1282
0594			SLT	0004	INSTRUC	1282	+35	0004	0643
0595			ALO	BETA	TIONS	0643	+15	9013	1851
0596			STL	BETA	TO	1851	+20	9013	0608
0597			LOD		GETM2	0608	+69	1261	0695
0598			SLT	0004	UNNEEDED	1261	+35	0004	1471
0599			ALO	8001	STEPS	1471	+15	8001	1329
0600			SLT	0002	IN	1329	+35	0002	1335

0601		SUP	8001		PREVIOUS	1335	+11	8001	0693
0602		AUP	U		OPERAND	0693	+10	9030	1252
0603		SRT	0006			1252	+30	0006	1467
0604		ALO	LDCH5			1467	+15	9002	1225
0605		LOD		SR2		1225	+69	0728	0187
0606		RAU	LDCH5			0728	+60	9002	1385
0607		SLT	0004			1385	+35	0004	1245
0608		AUP	U			1245	+10	9030	1753
0609		STU	U	EXIT3		1753	+21	9030	9000
0610	1								
0611		NGLFT	STD	EXIT3	CHANGE	0610	+24	9000	1066
0612			RAL	1F	SETS	1066	+65	1069	0399
0613		NGLNA	STD	EXIT3	M TO S	0704	+24	9000	1069
0614	1		LOD		1F	1069	+69	0622	1309
0615			STU	V1	UCHCK	0622	+21	9004	1379
0616			SLO	HLT	V1 Z 0	1379	+16	0365	1219
0617			BMI		X0003	1219	+46	0672	1117
0618			ALO	8001	CHANGE	0672	+15	8001	1429
0619			DIV	RAU	SIGN OF	1429	+14	1332	0743
0620			NZU		OPERAND	0743	+44	1297	1298
0621			RSL	RSL	2F	1297	+66	0620	1035
0622	2		RAL	RSL	CHGSR	1298	+65	0620	1035
0623	1				CHGSR				
0624		OUTCM	LOD	EXIT0	COMPL	1097	+69	9039	1265
0625	1								
0626		RD1	RD1	1951		0040	+70	1951	1415
0627			LOD	1960		1415	+69	1960	1713
0628			BD7	1F	2F	1713	+97	1216	0718
0629	2		STU	1957	1F	0718	+21	1957	1216
0630	1		STU	1958		1216	+21	1958	1311
0631			SET	C0001		1311	+27	9000	1266
0632			STD	1959		1266	+24	1959	0712
0633			LIB	1951	0000A	0712	+08	1951	2000
0634		RD2	RD1	1951	2B	0559	+70	1951	0718
0635	1								
0636	1								
0637		SCAN	STD	EXIT4	SCAN	0691	+24	9016	1347
0638			STL	EXIT2	STATEMENT	1347	+20	9008	1354
0639	1		RAU	GAMMA	FROM	1354	+60	9026	1361
0640	2		NZU		RIGHT	1361	+44	1465	1316
0641			SRT	0002	TO LEFT	1465	+30	0002	1521
0642			STU	GAMMA		1521	+21	9026	1479
0643			SUP	8003	IGNORE	1479	+11	8003	1337
0644			NZE		1B	1337	+45	0690	1354
0645			SLT	2	BLANKS	0690	+35	0002	1397
0646			RAA	8003	DECODE	1397	+80	8003	0656
0647			SXC	60	SPECIAL	0656	+51	0060	0762
0648			BMC	3F	CHARACTERS	0762	+41	1515	1366
0649			SRT	2	EXIT4	1366	+30	0002	9016
0650	3		RAL	0260C	IF USED	1515	+65	2260	9016
0651		0218	ALF	J	THINK	0218	+71	0000	0000
0652		0219	ALF	R	THINK	0219	+79	0000	0000
0653		0220	ALF	S	THINK	0220	+82	0000	0000
0654		0228	ALF	A	THINK	0228	+61	0000	0000
0655		0229	ALF	X	THINK	0229	+87	0000	0000
0656		0230	ALF	M	THINK	0230	+74	0000	0000
0657		0231	ALF	D	THINK	0231	+64	0000	0000
0658		0238	ALF	K	THINK	0238	+72	0000	0000
0659		0239	ALF	L	THINK	0239	+73	0000	0000
0660		0248	ALF	Z	THINK	0248	+89	0000	0000

0661		0249	ALF	M	THINK		0249	+74	0000	0000
0662	1		RAU	TALLY			1316	+60	9036	1523
0663			SUP	ID			1523	+11	9018	1431
0664			NZU		EXIT2	KEEP	1431	+44	1435	9008
0665			STU	TALLY		PARTIAL	1435	+21	9036	1093
0666			AUP		8003	WORD IN	1093	+10	0646	8003
0667			RAU	G0000		GAMMA	0646	+60	0006	1411
0668			STU	GAMMA	2B		1411	+21	9026	1361
0669	1									
0670		SD001	SDA	TEMP1	8001	STORE D AD	9037	+22	9011	8001
0671		SD002	SDA	COUNT	8002		1220	+22	9014	8002
0672	1									
0673		SETEL	LOD	R	SETL	L Z R	1321	+69	9023	1277
0674	1									
0675		SETJN	AUP	ALO	STJN1	ALTER	0669	+10	9019	1327
0676		STJN1	AUP	NU		QUOTATION	1327	+10	9005	1485
0677			BMI	ALARM		NESTING	1485	+46	0049	1289
0678			STL	EXIT1		COUNTER	1289	+20	9010	0696
0679			BOV	ALARM		AND	0696	+47	0049	1302
0680			STU	NU		PREPARE	1302	+21	9005	1759
0681			LOD		GTNU	CONTROL	1759	+69	1012	0244
0682			AUP	PHI	EXIT1	INSTRCTION	1012	+10	1565	9010
0683	1									
0684		SETL	STD	L	8002		1277	+24	9022	8002
0685	1									
0686		SIMPL	STD	EXIT4		IS LAST OP	0698	+24	9016	1404
0687			RAL		UBETA	RAND SIMPL	1404	+65	1307	1461
0688			NZU	IF		IF U IS	1307	+44	1511	1062
0689			LOD		UCHCK	BETA PLUS1	1062	+69	1665	1309
0690			ALO	RSL		CHECK LAST	1665	+15	0620	1275
0691			SRT	0001		BINARY OP	1275	+30	0001	1481
0692			STL	TEMP1		AND SEE IF	1481	+20	9011	1038
0693			RAU	R		INSTRCTION	1038	+60	9023	1295
0694			LOD		TLULT	IS SIMPLE	1295	+69	1348	1209
0695			SLT	0001		WITH THIS	1348	+35	0001	1405
0696			SUP	TEMP1		OPERATION	1405	+11	9011	1763
0697			BMI	IF		IF SIMPLE	1763	+46	1511	1517
0698			LOD		UCHGE	SET DA OF	1517	+69	1270	1391
0699			LOD	8003	2F	COUNT TO	1270	+69	8003	0726
0700	1		RAL	LDCH5		DA OF LAST	1511	+65	9002	1269
0701			STU	TEMP1	2F	INSTRCTION	1269	+21	9011	0726
0702	2		SDA	TEMP2		NONSIMPLE	0726	+22	9032	1382
0703			RAL	TEMP1		DA Z LDCH5	1382	+65	9011	1339
0704			ALO	U		DIGIT4 SET	1339	+15	9030	1447
0705			ALO	ID		TO LAST OP	1447	+15	9018	1455
0706			SRT	0004		PLUS1 ONLY	1455	+30	0004	1715
0707			ALO	TEMP2		IF SIMPLE	1715	+15	9032	1673
0708			STL	COUNT		DIGITS 123	1673	+20	9014	1080
0709			RAU	LDCH5		EQUAL U S1	1080	+60	9002	1387
0710			SUP	ID		IF LDCH5	1387	+11	9018	1345
0711			NZU		1F	CALLS FOR	1345	+44	1449	1250
0712			STL	VR1	2F	ACC MAKE	1449	+20	9033	0706
0713	1		STD	VR1	2F	VR1 NONZRO	1250	+24	9033	0706
0714	2		RAU	ARITH		IF ARITH	0706	+60	9012	1813
0715			NZU	IF		FIXED SET	1813	+44	1667	0768
0716			STU	V1		V1 ZERO	0768	+21	9004	1325
0717			RAU	LDCH5		AND IF NOT	1325	+60	9002	0733
0718			SCT	0002		IN COMMA	0733	+36	0002	1389
0719			SRT	0009		ROUTINE	1389	+30	0009	1809
0720			SUP	6I		FLOAT	1809	+11	9048	1717

0721		NZU	X0006	3F	OPERAND	1717	+44	1120	0722
0722	IN4	RAU	Z0001	4F	COMPILE	1671	+60	0962	1767
0723	IN8	RAU	Z0002	4F	TO STORE	1022	+60	0963	1767
0724	4	LOD		COMPL	IN LDCH5	1767	+69	1320	1265
0725		BOV	EXIT4	3F	LOCATION	1320	+47	9016	0722
0726	1	RAU	V1		ONLY IF	1667	+60	9004	1375
0727		SUP	LDCH5		NECESSARY	1375	+11	9002	1033
0728		STL	V1			1033	+20	9004	0740
0729		NZU	3F	EXIT4		0740	+44	0722	9016
0730	3	LOD	EXIT4	LDCH2		0722	+69	9016	1423
0731	1								
0732		SPRED	STD	EXIT2	CONVERT	1531	+24	9008	1437
0733		AUP	1D		FOUR DIGIT	1437	+10	9018	1395
0734		SRT	0001	1F	POSITIVE	1395	+30	0001	1352
0735	1	MPY	10I		NUMERIC	1352	+19	9041	1425
0736		MPY	1I		INTO	1425	+19	9040	1499
0737		SRT	0002		EIGHT	1499	+30	0002	1505
0738		NZU	1B		DIGIT	1505	+44	1352	0660
0739		SLT	0009		ALPHABETIC	0660	+35	0009	1681
0740		SUP		EXIT2		1681	+11	0734	9008
0741		00	0909	0910		0734	+00	0909	0910
0742	1								
0743		SRN	STD	EXIT4	GENERATE	0689	+24	9016	1445
0744		RAL	PN2		ABCON	1445	+65	9003	1853
0745		STD	ARITH		IN	1853	+24	9012	1859
0746		STU	PN2		PROPER	1859	+21	9003	1817
0747		NZE	2F		FORM	1817	+45	1370	1721
0748		RSL	MU		FORM	1721	+66	9009	1529
0749		SLT	0004			1529	+35	0004	1439
0750		ALO	10D		FIXED PT	1439	+15	9049	1497
0751		BMI	3F		CHEK RANGE	1497	+46	1300	1402
0752		AUP	N			1402	+10	9020	1909
0753		ALO		8002		1909	+15	1212	8002
0754		SRT	0000			1212	+30	0000	1535
0755		RAU	8003	1F		1535	+60	8003	1243
0756	2	RAU	N		FLOATING	1370	+60	9020	1377
0757		NZU		1F	POINT	1377	+44	1731	1243
0758		SCT	0000		NORMALIZE	1731	+36	0000	1454
0759		STL	N			1454	+20	9020	1262
0760		SRT	0002			1262	+30	0002	1319
0761		ALO	8002		ROUND TO	1319	+15	8002	1427
0762		RAU	8003		8 DIGITS	1427	+60	8003	1685
0763		SCT	0000		NORMALIZE	1685	+36	0000	1357
0764		ALO	N		AGAIN	1357	+15	9020	1765
0765		STU	TEMP2			1765	+21	9032	1723
0766		RSU	8002		ADJUST	1723	+61	8002	1781
0767		AUP	NBAR		EXPONENT	1781	+10	9021	1489
0768		AUP	MU	X0004		1489	+10	9009	1118
0769	IN200	BMI		3F	CHECK	1018	+46	1771	1300
0770		AUP	100I		RANGE	1771	+10	1024	1679
0771		BMI	3F			1679	+46	1300	1083
0772		AUP	TEMP2	1F		1083	+10	9032	1243
0773	1	STU	N	EXIT4		1243	+21	9020	9016
0774	3	RAL	RAM	LARM	ALARM 0404	1300	+65	1504	0046
0775	1								
0776		SR2	STD	EXIT1		0187	+24	9010	1293
0777		RAC	8002			1293	+88	8002	1452
0778		SRT	0004			1452	+30	0004	1863
0779		RAB	8002			1863	+82	8002	1821
0780		SRT	0004	1F		1821	+30	0004	1831

0781	1	NZE		EXIT1		1831	+45	1034	9010
0782		LOD	0000B			1034	+69	4000	1554
0783		STD	0000C			1554	+24	6000	1704
0784		SLO	1I			1704	+16	9040	1561
0785		AXB	0001			1561	+52	0001	1867
0786		AXC	0001	1B		1867	+58	0001	1831
0787	1								
0788		STBTA	LOD U		BETA	1367	+69	9030	1773
0789			STD BETA	8003	Z U	1773	+24	9013	8003
0790	1								
0791		STCNT	STD EXIT1		COUNT	1090	+24	9010	0746
0792			RAL	ADDK	Z	0746	+65	1549	9038
0793			RAL E0001		E000K	1549	+65	1040	1495
0794			STD COUNT		ISOLATE	1495	+24	9014	1502
0795			SRT 0008	EXIT1	ARITH CODE	1502	+30	0008	9010
0796	1								
0797		TNTER	STD L	ENTER		1096	+24	9022	0566
0798	1								
0799		UBETA	AUP U		CHECK FOR	1461	+10	9030	1369
0800			SUP BETA		U EQUAL TO	1369	+11	9013	1477
0801			SUP 1D	8002	BETA PLUS1	1477	+11	9018	8002
0802	1								
0803		UINC	AUP 2D	DROPU	INCREMNT U	1409	+10	9043	0747
0804	1								
0805		UCHGE	STD EXIT1		CHANGE	1391	+24	9010	1547
0806			STL TEMP2		LAST INSTR	1547	+20	9032	1754
0807			RAL U		BY	1754	+65	9030	1711
0808			SLO 1D	CHGE1	8002	1711	+16	9018	0697
0809	1								
0810		UNSTR	STD EXIT0		IF RHS	0710	+24	9039	1416
0811			LOD	UCHGE	WAS STORED	1416	+69	1419	1391
0812			STL LDCH5		ERASE THE	1419	+20	9002	1026
0813			RAL BETA		LAST 2 IN	1026	+65	9013	1233
0814			LOD	CHKOP	STRUCTIONS	1233	+69	0736	1248
0815			STU BETA		OTHERWISE	0736	+21	9013	1343
0816			SLT 0001		ERASE ONE	1343	+35	0001	1699
0817			NZU	2F	BUT CHANGE	1699	+44	1854	1555
0818			SRT 0001		ITS OP AND	1854	+30	0001	1761
0819			SLO STD		SAVE IN	1761	+16	1473	1527
0820			BMI 1F		LDCH5	1527	+46	1230	1881
0821			RSU LDD			1881	+61	0596	1552
0822			SLO U		CHANGE LOD	1552	+16	9030	0760
0823			ALO 3D		BACK TO	0760	+15	1913	1917
0824			LOD 1F	CHGOP	RAL	1917	+69	1230	0626
0825	1		RSU 1D			1230	+61	9018	1487
0826			ALO EXIT0	DROPU		1487	+15	9039	0747
0827	2		RAL EXIT0	DROPU		1555	+65	9039	0747
0828	1								
0829		UPPER	STL EXIT3		COMPILE	1028	+20	9000	1036
0830			LOD	UCHCK	TO	1036	+69	1539	1309
0831			SLO RAM		PLACE	1539	+16	1504	1060
0832			BMI 1F		OPERAND	1060	+46	1963	0714
0833			RAU RAULO	3COMP	IN	0714	+60	1967	1871
0834	1		ALO RAU		8003	1963	+15	1332	1537
0835			BMI	EXIT3		1537	+46	1240	9000
0836			RAL 8001	CHGSR		1240	+65	8001	1035
0837	1								
0838		3COMP	LOD EXIT3	COMPL		1871	+69	9000	1265
0839	1								
0840	1				GENERATORS				

0841	7	RAU	Z0015	1F	U RELAT	0370	+60	0976	1931
0842	8	RAU	Z0016		V RELAT	0242	+60	0977	1981
0843		LOD	9F	COMPL		1981	+69	0749	1265
0844	9	RAU	Z0017	1F	W RELAT	0749	+60	0978	1931
0845	1	LOD		COMPL	COMPILE	1931	+69	1084	1265
0846		RAL	CNCT1	SETEL	BRANCH	1084	+65	0731	1321
0847	1								
0848		AL	SLO	RAU	ABS VALUE	0306	+16	1332	1687
0849			BMI		CHANGE	1687	+46	1290	1441
0850			SLO	8001	LAST OP	1290	+16	8001	1697
0851			RSL	8002	TO RAM	1697	+66	8002	1705
0852			LOD	X0015	UCHGE	1705	+69	1129	1391
0853	1		RAU	RAMLO	X0013	1441	+60	0644	1127
0854	1								
0855		BN	LOD	9F	SRN	0361	+69	0764	0689
0856	9		STU	NBAR	EXPONENT	0764	+21	9021	1921
0857			RAL		CHKAR	1921	+65	1074	1231
0858			STU	N	P0005	1074	+21	9020	1004
0859	1								
0860		EE	RAL	NU	QUOTE MARK	0999	+65	9005	1407
0861			SLT	0001	MOVE AND	1407	+35	0001	1014
0862			MPY	11I	INCREMENT	1014	+19	1068	1689
0863			MPY	1I	COUNTER	1689	+19	9040	1064
0864			SRT	0002		1064	+30	0002	1971
0865			STL	NU	RR	1971	+20	9005	1099
0866		EK	RAU	1I	FK	0601	+60	9040	0701
0867		FK	STU	FLAG		0701	+21	9035	1210
0868			RAL		UPPR3	1210	+65	1214	1100
0869			RAU	Q		1214	+60	1218	1823
0870			ALO	EKFK	ACRU	1823	+15	0379	1254
0871		KFKE	RAL		STJN1	1420	+65	1873	1327
0872			STU	EXIT4		1873	+21	9016	1432
0873			RAU	NU		1432	+60	9005	1739
0874			STL	V1		1739	+20	9004	1246
0875			SLT	0001		1246	+35	0001	1755
0876			STU	NU		1755	+21	9005	1264
0877			RAL		STJN1	1264	+65	1268	1327
0878			SUP	EXIT4		1268	+11	9016	1475
0879			NZU		X0005	1475	+44	1729	1119
0880			RAU	8001		1729	+60	8001	1737
0881			AJP	NOP		1737	+10	0729	1283
0882			LOD	X0005	COMPL	1283	+69	1119	1265
0883	1								
0884		GN	STU	TEMP2	SET STMNT	1333	+21	9032	1491
0885			RAL	1F	NUMBER	1491	+65	0694	1749
0886			ALO	U		1749	+15	9030	1457
0887			LOD	2F		1457	+69	1260	1314
0888			SDA	2F		1314	+22	1260	1364
0889			STL	FLAG		1364	+20	9035	1072
0890			RAU	E	LOOK FOR	1072	+60	1525	1779
0891			ALO	3F	SET ERROR	1779	+15	1482	1787
0892			LOD		ACRU	1787	+69	1340	1254
0893			RAU	TEMP2	STATEMENT	1340	+60	9032	1747
0894			SLT	0004	IF FOUND	1747	+35	0004	1507
0895			AJP	4F	COMPILE	1507	+10	1310	1815
0896			LOD		COMPL	1815	+69	1318	1265
0897			RAU		FNEND	1318	+60	1222	0275
0898			28	6148	0000	1222	+28	6148	0000
0899	4		08	4000	0000	1310	+08	4000	0000
0900	3		RAL	TEMP2	AN IF	1482	+65	9032	1789

0901		ALO	3F		NO IF	1789	+15	1242	1797
0902		AUP	RELAT		COMPILES	1797	+10	9006	1855
0903		NZU	FLAG		NOP S000N	1855	+44	9035	1360
0904		RAU	8002	FNEND	AN IF	1360	+60	8002	0275
0905	3	07	0000	4000	INSERTS	1242	+07	0000	4000
0906	1	68	9999	2F	S000N INTO	0694	+68	9999	1260
0907	2	SIA	9999	PUNCH	BRANCH	1260	+23	9999	0180
0908	1								
0909		HIFF1	ALO	TH	ACRU	SCAN PUNCH	0658	+15	0628 1254
0910	1								
0911		HR	RAU	ARITH		THRU	1251	+60	9012 1410
0912			SUP	II			1410	+11	9040 1368
0913			SLT	0004			1368	+35	0004 1829
0914			ALO		DROPU		1829	+15	1532 0747
0915			RSU	1D			1532	+61	9018 1839
0916			STL	RELAT		UNDO	1839	+20	9006 1296
0917			ALO		DROPK	DAMAGE	1296	+15	1799 0692
0918			STL	THRU	ENTER	OF RU PAIR	1799	+20	0224 0566
0919	1								
0920		IF	RAL		CHKNK	TRANSFER	0598	+65	1752 1359
0921			RAU	RELAT		TO PROPER	1752	+60	9006 1460
0922			NZU		ALARM	RELATION	1460	+44	1414 0049
0923			LOD	P0003	TLULT	GENERATOR	1414	+69	1002 1209
0924	1								
0925		IL	STU	N	8F	VARIABLES	0661	+21	9020 1469
0926	8		RAL	II	DROPK		1469	+65	0650 0692
0927		II	BOV		X0008	GI AND GL	0650	+47	0756 1122
0928			RAU	Z0013	FNEND	GENRATRS	0756	+60	0974 0275
0929		IN1	LOD		COMPL		1078	+69	1682 1265
0930			RAU	N	1F		1682	+60	9020 1889
0931		IN	RAU		STBTA	BETA IS U	0208	+60	1811 1367
0932			LOD		SRN	GET SUB	1811	+69	1464 0689
0933			LOD		CHKNN	SCRIPT AND	1464	+69	1418 0642
0934			BOV	GN		CHEK RANGE	1418	+47	1333 1923
0935			STL	N	1F		1923	+20	9020 1889
0936	1		ALO	EXITO			1889	+15	9039 1847
0937			DIV	1000I			1847	+14	1259 1519
0938			SIA	ARITH		COMPILE	1519	+23	9012 1076
0939			SLT	0007	ENTCM	RAL VARBLE	1076	+35	0007 1355
0940	1								
0941		ML	STD	RELAT		SET RELAT	0316	+24	9006 1272
0942			STD	JAY		CHANGE UVW	1272	+24	9001 1228
0943			RAL	CHAR	SETS	TO S	1228	+65	0312 0399
0944	1								
0945		MINL	LOD	CHAR	NGLFT	M ON LEFT	0377	+69	0312 0610
0946	1								
0947		MINN	LOD		SRN	MINUS INT	0629	+69	1732 0689
0948			RAL		SCAN	CHECK IF	1732	+65	1735 0691
0949			SLO	B		LETTER B	1735	+16	1088 1393
0950			NZE		1F	PRECEDES	1393	+45	1346 1897
0951			STD	INTGR		IF NOT	1346	+24	9015 1852
0952			LOD		INSRT	GENERATE	1852	+69	1206 1365
0953			LOD		GENN	POSITIVE	1206	+69	1510 0654
0954			LOD	WY	NGLFT	CONSTANT	1510	+69	0627 0610
0955	1		RSU	N	9B	TO B GEN	1897	+61	9020 0764
0956	1								
0957		NF	LOD	EXITO		QF RF OR	1301	+69	9039 1557
0958			BD1	NN	8001	INT F	1557	+91	0682 8001
0959	1								
0960		NL	RAU	ENTER	NCLR	MATRIX NOT	0327	+60	0566 1322

0961	1												
0962		NN	RAL	INTGR				BUILD	0682	+65	9015	1939	
0963			SLT	0002				NUMBER	1939	+35	0002	1545	
0964			ALO	N					1545	+15	9020	1256	
0965			SRT	0001					1256	+30	0001	1514	
0966			STL	N					1514	+20	9020	1372	
0967			RAU	MU	NF2				1372	+60	9009	1879	
0968		NF2	AUP	1I				INCREMENT	1879	+10	9040	1837	
0969			STU	MU	ENTER			MU	1837	+21	9009	0566	
0970		NR	RAU	NN	NCLR				1098	+60	0682	1322	
0971		NCLR	STL	NBAR				NBAR AND	1322	+20	9021	1280	
0972			STD	N	MUCLR			N ZERO	1280	+24	9020	1086	
0973		MUCLR	STD	ARITH	1F			ARITH SET	1086	+24	9012	1292	
0974		1	STL	MU	8003			MU ZERO	1292	+20	9009	8003	
0975	1												
0976		PN	LOD	1I				DEC POINT	0561	+69	9040	1468	
0977			STD	PN2	1B			SET L TO R	1468	+24	9003	1292	
0978	1												
0979		REM	RAL		UCHCK			REMAINDER	1091	+65	0744	1309	
0980			SLO	DVR				CHECK DVR	0744	+16	1947	1306	
0981			NZE	ALARM				OPERATION	1306	+45	0049	1861	
0982			RAU	BIG79					1861	+60	0657	1911	
0983			ALO		ACRU			SCAN TO	1911	+15	1564	1254	
0984			RAL	RSL				R CHANGE	1564	+65	0620	1675	
0985			LOD		UCHGE			DVR TO DIV	1675	+69	1278	1391	
0986			RAL		SETEL			R TO LEFT	1278	+65	1782	1321	
0987			LOD		GTOPN			SAVE THE	1782	+69	1785	0564	
0988			AUP	RALUP	ENTCM			REMAINDER	1785	+10	0372	1355	
0989	1												
0990		RR	RAU	K				INCREMENT	1099	+60	9007	1707	
0991			STL	V1	X0016			K AND	1707	+20	9004	1130	
0992		IN5	STU	K				PREPARE TO	1541	+21	9007	1849	
0993			RAL		ADDK			PROCESS ON	1849	+65	1356	9038	
0994			STU	T0001	ENTER			NEW LEVEL	1356	+21	1050	0566	
0995	1												
0996		WL	RAL	WY	DROPK			K DCRMNTED	1063	+65	0627	0692	
0997	1												
0998		WY	RAL		ADDK			COMPILE	0627	+65	1330	9038	
0999			RAL	T0001				PREVIOUS	1330	+65	1050	1406	
1000			SRT	0008				OPERATION	1406	+30	0008	1725	
1001			SLT	0008				IF ANY	1725	+35	0008	1443	
1002			NZE	1F				IF COL 43	1443	+45	1396	1398	
1003			BOV	ENTER	2F			WAS I Y OR	1398	+47	0566	1456	
1004	1		STL	NBAR				C OP MUST	1396	+20	9021	1506	
1005			SLO	Z				BE Z	1506	+16	1077	1832	
1006			NZE	1F					1832	+45	1236	1887	
1007			BOV	2F	3F				1887	+47	1456	1342	
1008	1		BOV	3F	2F			IF NOT	1236	+47	1342	1456	
1009	2		RAL	NINEO	LARM			ALARM 9090	1456	+65	9044	0046	
1010	3		LOD		STCNT			GET ARITH	1342	+69	1695	1090	
1011			NZE		2F			OF RHS	1695	+45	1448	1899	
1012			RAU	ARITH				FLOATING	1448	+60	9012	1556	
1013			NZU	FLIK	X0001			POINT SET	1556	+44	1101	1115	
1014		WYE	STD	ARITH				ARITH GO	1714	+24	9012	1470	
1015			LOD	FLIK	COMPL			TO SUBGEN	1470	+69	1101	1265	
1016	2		LOD		GETM1			FIXED PT	1899	+69	1706	0283	
1017			SLO	Z0001				RHS	1706	+16	0962	1518	
1018			RAM	8002					1518	+67	8002	1677	
1019			AUP	ARITH				IF BOTH	1677	+10	9012	1835	
1020			NZU	3F				SIDES FIX	1835	+44	1989	1390	

1021		NZE	1F		DECOMPILE	1390	+45	1094	1745
1022		RSL	1I		FLOT CMAND	1745	+66	9040	1756
1023		LOD		MOVUP	COMPILE A	1756	+69	1560	0719
1024		LOD		GETM1	STORE	1560	+69	1764	0283
1025		LOD	8003	2F	INSTRCTION	1764	+69	8003	1520
1026	1	RAL	1D	2F		1094	+65	9018	1520
1027	2	SDA	LDCH5	X0017		1520	+22	9002	1131
1028	IN6	LOD	FLIK	LDDCH		1727	+69	1101	1025
1029	3	RAU	8002		FLOAT FIX	1989	+60	8002	1498
1030		NZU		1F	PUT ACC OR	1498	+44	1856	1757
1031		RAL	1D	2F	W000K IN	1856	+65	9018	1814
1032	1	LOD		GETM2	COUNT SET	1757	+69	1710	0695
1033		SRT	0004		DECOM INFO	1710	+30	0004	1422
1034		ALO	WIN		AND JUMP	1422	+15	0671	1775
1035		ALO	K		TO SUB	1775	+15	9007	1383
1036		ALO	1I	2F	GENERATOR	1383	+15	9040	1814
1037	2	STL	COUNT	FLIK		1814	+20	9014	1101
1038	1								
1039		YMTX	RAL	UPPER	PUT ROW NO	0717	+65	1670	1028
1040			RAU	EXITO	IN 8003	1670	+60	9039	1777
1041			SUP	1002I	CHECK FOR	1777	+11	1380	1885
1042			BMI	ALARM	INVALID	1885	+46	0049	1440
1043			MPY	5D	SYMBL PRS	1440	+19	9046	1864
1044			AUP	N	IS IT A	1864	+10	9020	1472
1045			NZU		NUMBERED	1472	+44	1825	1226
1046			MPY	10D	MATRIX	1825	+19	9049	1949
1047			AUP			1949	+10	1807	8003
1048			RAM	R0000	IF SO	1807	+67	0629	1433
1049			STD	PN2	COMPILE	1433	+24	9003	1490
1050			SRT	0004	MPY COLS	1490	+30	0004	1857
1051			STL	N		1857	+20	9020	1914
1052			LOD		SRAC	1914	+69	1668	0500
1053			AUP	MPY	3F	1668	+10	1522	1827
1054	1		DIV	2D	MPY I0001	1226	+14	9043	1540
1055			AUP	MPYI	3F	1540	+10	1493	1827
1056	3		LOD		COMPL	1827	+69	1430	1265
1057			RAL		ADDK	1430	+65	1483	9038
1058			LOD	T0001		1483	+69	1050	1907
1059			STD	COUNT	PREPARE	1907	+24	9014	1964
1060			LOD		GTOPN	1964	+69	1718	0564
1061			AUP	ALO		1718	+10	9019	1875
1062			LOD		DECOM	1875	+69	1328	1232
1063			RSU	ALO		1328	+61	9019	1935
1064			ALO		STJN1	1935	+15	1238	1327
1065			RAL	PN2		1238	+65	9003	1795
1066			STU	PN2	AVOID	1795	+21	9003	0708
1067			SIA	N	NEGATIVE	0708	+23	9020	1865
1068			BMI		MASK	1865	+46	1768	1469
1069			LOD		8B	1768	+69	1672	0500
1070			AUP	ALO	SRAC	1672	+10	9019	1929
1071			LOD	IL		1929	+69	0661	1265
1072	1				COMPL				
1073		ZN	LOD		SRN	0310	+69	1915	0689
1074			LOD	WY	GENN	1915	+69	0627	0654
1075	1								
1076	1								
1077		IT	LOD		1F	0381	+69	1284	1937
1078			LOD	Z0012	EDT	1284	+69	0973	1276
1079	1		STD	EXITO	COMMA	1937	+24	9039	0611
1080		FDT	STD	JAY	GENERATORS	1276	+24	9001	1882

1081		RAU	THRU			1882	+60	0224	1979
1082		NZU	1F			1979	+44	1533	1334
1083		RAL		SETJN		1334	+65	1987	0669
1084		AUP	STD			1987	+10	1473	1877
1085		LOD	1F	COMPL		1877	+69	1533	1265
1086	ENDT	LOD		GTNU	CHECK IF	0679	+69	1932	0244
1087		SUP	5D		MORE THAN	1932	+11	9046	1690
1088		BMI		ALARM	FOUR	1690	+46	1543	0049
1089		LOD		1B	VARIABLES	1543	+69	1446	1937
1090		RAU	THRU			1446	+60	0224	1480
1091		NZU		1F	WAS THRU	1480	+44	1683	1533
1092		STL	NU	1F	SET	1683	+20	9005	1533
1093	1	LOD		GTNU	COMPILE	1533	+69	1286	0244
1094		AUP	0000		CONSTANT	1286	+10	0000	0758
1095		STU	N		USED BY	0758	+21	9020	1965
1096		LOD		SRAC	PACKAGE	1965	+69	1818	0500
1097		LOD	EDIT1	COMPL	EXTENSION	1818	+69	0383	1265
1098	TH	RAL		DROPU	ERASE INST	0628	+65	1982	0747
1099		AUP		8003	PREPARE	1982	+10	1985	8003
1100		RAU	0000		CONTROL	1985	+60	0000	1208
1101		SLT	0002		CONSTANT	1208	+35	0002	1466
1102		SRT	0009		FOR EXTEN	1466	+30	0009	1288
1103		MPY	101		SION FROM	1288	+19	9041	1312
1104		MPY	11		IT	1312	+19	9040	1336
1105		SLT	0003			1336	+35	0003	1845
1106		STU	N			1845	+21	9020	1258
1107		RAL		CHKNK	PAREN CHEK	1258	+65	1362	1359
1108		RAU	U		IS VARBLE	1362	+60	9030	1669
1109		SUP	BETA		SIMPLE	1669	+11	9013	1927
1110		NZU	X0009	1F	IF NOT	1927	+44	1123	1733
1111	IN2	LOD		SRAC	DECOMPILE	1760	+69	1516	0500
1112		AUP	ALO	2F	AND ADD	1516	+10	9019	1973
1113	1	LOD	2F	SRAC	MASK	1733	+69	1973	0500
1114	2	LOD		COMPL	CHANGE T	1973	+69	1326	1265
1115		LOD	BIG72	TNTER	TO A K	1326	+69	1530	1096
1116	1								
1117	1								
1118	ITFRA	RAU	PSI		KF PAIR	0621	+60	9029	1680
1119		SUP	4D		SENSED	1680	+11	9045	1338
1120		NZU		ALARM	INCREMENT	1338	+44	1691	0049
1121		AUP	5D		ITERATION	1691	+10	9046	1350
1122		STU	PSI		NEST DEPTH	1350	+21	9029	1308
1123		MPY	6I		FLOP1 Z	1308	+19	9048	1783
1124		STL	FLOP1		6 X PSI	1783	+20	0606	1810
1125		RSA	4	1F	SCAN TO	1810	+81	0004	1666
1126	1	RAU	BIG72		K FOUR	1666	+60	1530	1386
1127		ALO	1F		TIMES	1386	+15	1740	1895
1128		LOD		ACRU	CHECK MORE	1895	+69	1548	1254
1129		RAL	NBAR		THAN FIVE	1548	+65	9021	1358
1130		SLO	6I		DIGITS OR	1358	+16	9048	1716
1131		BMI		8F	MORE THAN	1716	+46	1719	1720
1132		NZA		8F	5 COMMAS	1719	+40	1722	1720
1133		RAU	N		PUT WORDS	1722	+60	9020	1730
1134		ALO		ADFLP	INTO	1730	+15	1833	0603
1135		STU	N9999A		STORAGE	1833	+21	2566	1769
1136		AXA	1	1B	FROM RIGHT	1769	+50	0001	1666
1137	1	NZA	8F		TO LEFT	1740	+40	1720	1244
1138		LOD		FLOP	MOVE TO	1244	+69	1698	1061
1139		RAU	STL		T REGION	1698	+60	1408	1766
1140		AUP	N		CHECK FOR	1766	+10	9020	1224

1141		BOV		9F	MATRIX	1224	+47	1977	1780
1142		BDO	OF		DEFINITION	1977	+90	1883	1933
1143		RAL	8001		ITERATION	1933	+65	8001	1741
1144		LOD		CURT1	STATEMENTS	1741	+69	1294	0624
1145		ALO		ADFLP	PUT STMT	1294	+15	1748	0603
1146		STU	N9999		NUM INTO	1748	+21	0566	1819
1147		LOD	T0004		STORAGE	1819	+69	1053	1458
1148		STD	G0001		AND	1458	+24	0007	1860
1149		LOD	Z		MANUFACTRE	1860	+69	1077	1830
1150		STD	G0002		STATEMENT	1830	+24	0008	1412
1151		RAU	T0003		AS FOLLOWS	1412	+60	1052	1508
1152		STD	G0003		VAR	1508	+24	0009	1462
1153		STL	G0004		Z	1462	+20	0010	1816
1154		RAL	TAU6	TAU5	INIT VALUE	1816	+65	1869	1274
1155	TAU5	AUP	4D		RETURN TO	1274	+10	9045	1983
1156		STU	TALLY		BEGINNING	1983	+21	9036	1791
1157		STL	TAU	CNCT2		1791	+20	9031	1798
1158	BACK	STU	D0005		RESTARTING	1558	+21	0884	1388
1159		RAL	QUOTA		AFTER	1388	+65	9034	1945
1160		STD	TALLY		SRAC ABCON	1945	+24	9036	1708
1161		ALO		8002	PUNCHOUT	1708	+15	1512	8002
1162		RAU	G0000		CHECK FOR	1512	+60	0006	1562
1163		STD	C0006		ITERATION	1562	+24	9005	1868
1164		SLT	0004		PROCESSING	1868	+35	0004	1880
1165		SUP	F			1880	+11	0194	1400
1166		NZU	CNCT2	CNCT3		1400	+44	1798	0184
1167	CNCT2	RAL	F	CNNCT	BEGIN OVER	1798	+65	0194	0605
1168	TAU6	RAL	RHO2		CHANGE RHO	1869	+65	0042	1848
1169		LOD	TAU2	PS1	AND TAU	1848	+69	1758	0038
1170	TAU3	SCT	0001	TAU2	OVERFLOW	1919	+36	0001	1758
1171	TAU2	RAL		1F		1758	+65	1712	1918
1172		05	I0001	G0001		1712	+05	0613	0007
1173	I0001	ALF	GO TO	THINK		0613	+67	7600	8376
1174	I0002	ALF	Z L	THINK		0614	+89	0000	0073
1175	I0003	ALF	IF L	THINK		0615	+69	6600	0073
1176	I0004	ALF	R S	THINK		0616	+79	0000	8200
1177	I0005	ALF	R W	THINK		0617	+79	0000	8600
1178	1	LOD		SR2	MANUFACTRE	1918	+69	1772	0187
1179		LOD		FLOP	STATEMENT	1772	+69	1925	1061
1180		BOV	3F		VAR Z L	1925	+47	1378	1930
1181		NZU	PS		INCR R S	1930	+44	0185	1384
1182		RAL	T0004		VAR	1384	+65	1053	1808
1183		STD	G0001			1808	+24	0007	1910
1184		STD	G0005			1910	+24	0011	1866
1185		STU	0000			1866	+21	0000	1858
1186		LOD	T0002			1858	+69	1051	1908
1187		STD	G0003			1908	+24	0009	1762
1188		RAU	2D		AND	1762	+60	9043	1969
1189		STL	G0006		THEN	1969	+20	0012	1916
1190		ALO	TAU3	TAU5	MANUFACTRE	1916	+15	1919	1274
1191	3	RAU	T0006		GO TO 000N	1378	+60	1055	1812
1192		STL	G0007		IF L	1812	+20	0013	1966
1193		LOD		SPRED	MAX VALUE	1966	+69	1770	1531
1194		STU	G0002		R W	1770	+21	0008	1862
1195		RAU	T0002		VAR	1862	+60	1051	1912
1196		SUP	M		OR	1912	+11	1968	1324
1197		BMI	1F		REVERSE	1324	+46	1428	1478
1198		SCT	1	1F	THE	1478	+36	0001	1428
1199	1	RAU	T0004		CONDITION	1428	+60	1053	1820
1200		ALO	T0001		IF INCR	1820	+15	1050	1870

1201		BOV	1F		BEGINS	1870	+47	1374	1975
1202		MPY	1I	1F	WITH	1975	+19	9040	1374
1203	1	STU	G0004		M	1374	+21	0010	1920
1204		STL	G0006			1920	+20	0012	1970
1205		RAL		DRPSI	DECREMENT	1970	+65	1424	1401
1206		NZU		1F	PSI AND	1424	+44	1528	1678
1207		RAL	TAU2	2F	RECYCLE	1528	+65	1758	1822
1208	1	RAL	PS	2F	IF NONZERO	1678	+65	0185	1822
1209	2	STU	G0008			1822	+21	0014	1872
1210		AUP	4D	TAU5		1872	+10	9045	1274
1211	8	RAL	ALARM	DRPSI	ITER ALARM	1720	+65	0049	1401
1212	1								
1213	9	SUP		1F	C MATRIX	1780	+11	1434	1790
1214		62	6955	9953	DEFINITION	1434	+62	6955	9953
1215	0	AUP		1F	Y MATRIX	1883	+10	1436	1790
1216		12	3039	0047	DEFINITION	1436	+12	3039	0047
1217	1	STU	TEMP1		CHCK	1790	+21	9011	1898
1218		SRT	0004		SPELLING	1898	+30	0004	1922
1219		MPY	ALO		OF FIRST	1922	+19	9019	1496
1220		SUP	3F		WORD	1496	+11	1450	1972
1221		NZU	8B			1972	+44	1720	1376
1222		RAL	T0003		PUT TABLE	1376	+65	1052	1474
1223		LOD		CURT1	ENTRY IN	1474	+69	1728	0624
1224		STU	TEMP2		REGION R	1728	+21	9032	1486
1225		RAL	T0001		DA IS	1486	+65	1050	1524
1226		LOD		CURT1	COLS	1524	+69	1778	0624
1227		SUP	1I		IA IS	1778	+11	9040	1536
1228		SUP	TEMP2		START	1536	+11	9032	1693
1229		SRT	0004		MINUS	1693	+30	0004	1674
1230		BMI		1F	COLS	1674	+46	1828	1878
1231		SUP	TEMP2	2F	MINUS ONE	1828	+11	9032	1686
1232	1	AUP	TEMP2	2F	USE SIGN	1878	+10	9032	1686
1233	2	SLT	0004	TEMP1	OF IA	1686	+35	0004	9011
1234	3	00	4702	1063		1450	+00	4702	1063
1235	0047	RAL	BYPAS	DRPSI		0047	+65	0376	1401
1236	1								
1237	1								
1238	Q0047	LOD		UCHCK	FORCE	0296	+69	1500	1309
1239		RSL	8002		RAL	1500	+66	8002	1724
1240		LOD	Q0048	UCHGE	OPERATION	1724	+69	0297	1391
1241	Q0048	RAL		CHKNK	SUBSTITUTN	0297	+65	1550	1359
1242		RAL		UBETA	SIMPLE LHS	1550	+65	1774	1461
1243		NZU	1F		UNDO	1774	+44	1928	1978
1244		RAU	8003		DAMAGE AND	1978	+60	8003	1736
1245		LOD	X0012	UNSTR	STORE RHS	1736	+69	1126	0710
1246	1	RAL	STD		NONSIMPLE	1928	+65	1473	1980
1247		LOD		UCHGE	LHS	1980	+69	1484	1391
1248		STL	MU		COMPILE	1484	+20	9009	1392
1249		RAL	X0011	DROPU	SEQUENCE	1392	+65	1125	0747
1250	NZ4	RAL		CHKNK	Z SENSED	0214	+65	1824	1359
1251		RAL	G0001		CHECK	1824	+65	0007	1874
1252		SLT	0002		COLUMN 43	1874	+35	0002	1534
1253		SUP	3F		OF FIRST	1534	+11	1438	1743
1254		NZU		START	STATEMENT	1743	+44	1948	0607
1255		SUP	6I		CARD FOR	1948	+11	9048	1924
1256		NZU		2F	I Y OR C	1924	+44	1684	1734
1257		SUP	19I		IF	1684	+11	1488	1793
1258		NZU	LARMC	START	NEITHER	1793	+44	0724	0607
1259	LARMC	RAL	NOP	LARM	ALARM 0707	0724	+65	0729	0046
1260	3	ALF	C	THINK		1438	+00	0000	0063

1261		RAU	ARITH			1734	+60	9012	1841
1262		NZU		START		1841	+44	1546	0607
1263		RAL		UPPR3		1546	+65	1750	1100
1264		RAU	Z0008			1750	+60	0969	1974
1265		STL	ARITH			1974	+20	9012	1784
1266		LOD	START	COMPL		1784	+69	0607	1265
1267	1								
1268	1								
1269		PUNCH	RAU	PSI	2F	CHECK IF	0180	+60	9029 1538
1270		2	NZU		7F	STATEMENT	1538	+44	1891 1442
1271			SUP	1D		NUMBER	1891	+11	9018 1850
1272			STU	TEMP1		EQUALS	1850	+21	9011 1426
1273			MPY	6I		NUMBER	1426	+19	9048 1950
1274			ALO	3F		IN ITER	1950	+15	1476 1834
1275			LOD	4F	SD002	STATEMENT	1834	+69	1688 1220
1276	2	SD002	SDA	COUNT	8002	STORE ZERO	1220	+22	9014 8002
1277		3	RAU	N0005		IF	1476	+60	0572 1884
1278			SUP	0000		FOUND AND	1884	+11	0000 1526
1279			NZU	7F	COUNT	RECYCLE	1526	+44	1442 9014
1280		4	STU	N0005		IF IN	1688	+21	0572 1676
1281			RAU	TEMP1	2B	ITERA OR	1676	+60	9011 1538
1282		7	LOD		FLOP	IF FFBIT	1442	+69	1696 1061
1283			NZE		Z0019	IS SET	1696	+45	1726 0980
1284			RAU	FFBIT		SKIP	1726	+60	9027 1934
1285			NZU	Z0019		OTHERWISE	1934	+44	0980 1738
1286			RAA	PNCH	RD1	READ CARD	1738	+80	0384 0040
1287	1								
1288	1								
1289		LARM	BOV	LARMB	LARMB	SET ERROR	0046	+47	1776 1776
1290		LARMB	STL	L		IDENT	1776	+20	9022 1984
1291			STD	R	ARMAL		1984	+24	9023 0048
1292		ALARM	BOV	ARMAL	ARMAL		0049	+47	0048 0048
1293		ARMAL	RAL	TEST	1F		0048	+65	9017 1826
1294	5	ARMAL	RSM	TEST	1F	CHECK SIGN	0048	+68	9017 1826
1295		1	BMI	1F		OF 8000	1826	+46	1786 1836
1296			RAU	0000			1836	+60	0000 1876
1297			SLT	0001		PLUS	1876	+35	0001 1886
1298			AML	L		SET ERROR	1886	+17	9022 1843
1299			SLT	0003		INDICATION	1843	+35	0003 1926
1300			AML	R		IN 8002	1926	+17	9023 1936
1301			SRT	0008	LARMA	AND HALT	1936	+30	0008 0386
1302		1	RAU	0000			1786	+60	0000 1976
1303			LOD		SPRED	MINUS	1976	+69	1986 1531
1304			STU	W0001		PREPARE	1986	+21	9050 1893
1305			RAL	TALLY		ERROR	1893	+65	9036 1788
1306			ALO		8002	CARD	1788	+15	1941 8002
1307			LOD	G0000	1992	AND	1941	+69	0006 1992
1308		1992	STD	W0005		PUNCH	1992	+24	9054 1838
1309			ALO	9500I	8002		1838	+15	1991 8002
1310		1492	STD	W0006			1492	+24	9055 1888
1311			RAM	R			1888	+67	9023 1746
1312			STU	W0003			1746	+21	9052 1938
1313			SRT	0004			1938	+30	0004 1988
1314			AML	L			1988	+17	9022 1796
1315			STL	W0004			1796	+20	9053 1840
1316			SLT	0002			1840	+35	0002 1890
1317			AML	R			1890	+17	9023 1940
1318			SLT	0002			1940	+35	0002 1990
1319			LOD		SPRED		1990	+69	1943 1531
1320			SRT	0004			1943	+30	0004 1542

1321		MPY	1001			1542	+19	1024	1846		
1322		MPY	11			1846	+19	9040	1692		
1323		SLT	0004			1692	+35	0004	1742		
1324		STU	W0002			1742	+21	9051	1792		
1325		SUP	8003	Z0007		1792	+11	8003	0968		
1326	IN300	BOV	TAU			1842	+47	9031	1892		
1327		SCT	0001	PUNCH	OVERFLOW	1892	+36	0001	0180		
1328	1										
1329		ALO	10	0000	0000	CONSTANTS		9019	+10	0000	0000
1330		B	ALF	B	THINK	IN		1088	+62	0000	0000
1331		BIG72	72	0000	0000	ALPHA		1530	+72	0000	0000
1332	2	BIG73	73	0000	0000	BETICAL		0259	+73	0000	0000
1333		BIG79	79	0000	0000	ORDER		0657	+79	0000	0000
1334		DVR	24	0000	0000			1947	+24	0000	0000
1335		E	ALF	E	THINK			1525	+65	0000	0000
1336		F	ALF	F	THINK			0194	+66	0000	0000
1337		HLT	06	0000	0000			0365	+06	0000	0000
1338		LDD	08	0000	0000			0596	+08	0000	0000
1339		M	ALF	M	THINK			1968	+74	0000	0000
1340		MAXU	00	0149	1999			0308	+00	0149	1999
1341		MPY	21	0000	0000			1522	+21	0000	0000
1342		MPYI	21	1001	0000			1493	+21	1001	0000
1343		NINEO	ALF	0	THINK			9044	+90	0000	0000
1344		NININ	ALF	9	THINK			0216	+99	0000	0000
1345		NOP	07	0000	0000			0729	+07	0000	0000
1346		PHI	00	5999	0000			1565	+00	5999	0000
1347		Q	ALF	Q	THINK			1218	+78	0000	0000
1348		RALUP	00	8003	0000			0372	+00	8003	0000
1349		RAM	04	0000	0000			1504	+04	0000	0000
1350		RAMLO	04	8002	0000			0644	+04	8002	0000
1351		RAU	02	0000	0000			1332	+02	0000	0000
1352		RAULO	02	8002	0000			1967	+02	8002	0000
1353		RSL	01	0000	0000			0620	+01	0000	0000
1354		SDFGT	00	0099	8778			0604	+00	0099	8778
1355		STD	28	0000	0000			1473	+28	0000	0000
1356		STL	20	0000	0000			1408	+20	0000	0000
1357		WIN	00	7000	0000			0671	+00	7000	0000
1358		Z	ALF	Z	THINK			1077	+89	0000	0000
1359		1I	00	0000	0001			9040	+00	0000	0001
1360		1D	00	0001	0000			9018	+00	0001	0000
1361		10D	00	0010	0000			9049	+00	0010	0000
1362		10I	00	0000	0010			9041	+00	0000	0010
1363		100I	00	0000	0100			1024	+00	0000	0100
1364		1000I	00	0000	1000			1259	+00	0000	1000
1365		11I	00	0000	0011			1068	+00	0000	0011
1366		19I	00	0000	0019			1488	+00	0000	0019
1367		2D	00	0002	0000			9043	+00	0002	0000
1368		2I	00	0000	0002			9042	+00	0000	0002
1369		3D	00	0003	0000			1913	+00	0003	0000
1370		4D	00	0004	0000			9045	+00	0004	0000
1371		5D	00	0005	0000			9046	+00	0005	0000
1372		51D	00	0051	0000			9047	+00	0051	0000
1373		6I	00	0000	0006			9048	+00	0000	0006
1374		9D	00	0009	0000			0664	+00	0009	0000
1375		1002I	00	0000	1002			1380	+00	0000	1002
1376		9500I	00	0000	9500			1991	+00	0000	9500
1377	1										
1378		A0001	SET	9000	A0010	RESTORE		0400	+27	9000	0409
1379		A0010	LDI	A0051	A0004	CORES		0409	+09	0450	0403
1380		A0004	RD1	1999	9999	READ H CD		0403	+70	1999	9999

1381	1										
1382		PAL									
1383	0	BLA	1942	1942		AVAILABLE					
1384	0	BLA	1344	1344		AVAILABLE					
1385	0	BLA	1544	1544		AVAILABLE					
1386	0	BLA	1896	1896		AVAILABLE					
1387	1		X								
1388	1	BASIC 650 INSTRUCTION									
1389	1	COMPILATION MODE ONLY									
1390	1										
1391		BLR	0000	1999		SET AVAIL					
1392		BLA	1102	1114		ABILITY					
1393		BLA	1136	1204							
1394		RLA	1801	1806							
1395		UPPR3	NOP	1	8002	IGNORE UP3	1100	+00	1100	8002	
1396		X0001	RSM	NBAR		FLOAT THE	1115	+68	9021	1173	
1397			ALO	Q		OPERAND	1173	+15	1218	1174	
1398			BMI		1F	IF NOT	1174	+46	1177	1178	
1399			RAM	VR1		P OR D	1177	+67	9033	1185	
1400			N7F	1F		OPERATION	1185	+45	1178	1139	
1401			LOD	1D		AND RHS	1139	+69	9018	1145	
1402			STD	V1		NOT IN ACC	1145	+24	9004	1151	
1403			RAU	Z0002	2F	FLT TO ACC	1151	+60	0963	1167	
1404		1	RAU	Z0001	2F	OTHERWISE	1178	+60	0962	1167	
1405		2	LOD	1I	WYE	FLT TO LWR	1167	+69	9040	1714	
1406		X0002	RAU	STL	LDCH1	CMPILE STL	1116	+60	1408	1227	
1407		X0003	RAU	RSLOW	3COMP	RSL 8002	1117	+60	1170	1871	
1408		X0004	SUP		IN200	EXPONENT	1118	+11	1171	1018	
1409			00	0000	0049	BASE	1171	+00	0000	0049	
1410		X0005	LOD	BIG73	TNTER	Q BCONES L	1119	+69	0259	1096	
1411		X0006	BMI	IN8	IN4		1120	+46	1022	1671	
1412		X0007	ALO		ARSW	DECIMAL	1121	+15	1175	1179	
1413			RAU	1800	FNEND	ARITH	1175	+60	1800	0275	
1414		X0008	RAU	Z0014		COMPILE	1122	+60	0975	1180	
1415			LOD		COMPL	SLT 0004	1180	+69	1183	1265	
1416			RAU	ALOLO	IN1	ALO 8002	1183	+60	1136	1078	
1417		X0009	RSU	1D		ERASE TWO	1123	+61	9018	1181	
1418			ALO	IN2	DROPU		1181	+15	1760	0747	
1419		X0010	SLT	0004	IN3		1124	+35	0004	0800	
1420		X0011	RAU	LDDLO		COMPILE	1125	+60	1182	1137	
1421			LOD		DECOM	ALO2F	1137	+69	1140	1232	
1422			RAL	U		LODRHS	1140	+65	9030	1147	
1423			AUP	Z0018		8002	1147	+10	0979	1184	
1424			ALO		8002	AND	1184	+15	1187	8002	
1425			20	9998		NEGATIVE	1187	+20	9998	1201	
1426			RSU	MU	FNEND	STD VAR	1201	+61	9009	0275	
1427		X0012	LOD	PUNCH	LDCH2	DO NOT	1126	+69	0180	1423	
1428		X0013	LOD	X0015	COMPL	SET V2	1127	+69	1129	1265	
1429		X0014	SIA	T0001	EXITO	OR VR	1128	+23	1050	9039	
1430		X0015	STU	V1	ENTST		1129	+21	9004	0557	
1431		X0016	ALO	IN5	INCXK		1130	+15	1541	1211	
1432		X0017	RAL	IN6	DROPU		1131	+65	1727	0747	
1433		X0018	BMI		6F	MINUS INST	1132	+46	1186	1138	
1434			LOD	2F		PUT PROG	1186	+69	1189	1142	
1435			STD	W0001		POINT 2	1142	+24	9050	1148	
1436			RSU	8003	6F	IN LOCAT	1148	+61	8003	1138	
1437		2	ALF	2	THINK		1189	+92	0000	0000	
1438		6	SRT	0004	IN7		1138	+30	0004	0802	
1439		X0019	ALO	IN10	ARSW		1133	+15	0801	1179	
1440		X0020	STD	K	ININI		1134	+24	9007	0247	

1441	X0021	BMI		1F		1135	+46	1188	1190
1442		SLO	U	COMP1		1188	+16	9030	1067
1443	1	ALO	U	COMP1		1190	+15	9030	1067
1444	ARSW	STU	D0009		SET UP	1179	+21	0888	1141
1445		LOD	TEST		ARITHMETIC	1141	+69	9017	1197
1446		SDA	TEST	8002		1197	+22	9017	8002
1447	FLIK	RAU	ARITH		ARITH SUB	1101	+60	9012	1109
1448		NZU	1F		GENFRATORS	1109	+44	1113	1114
1449		STD	V1	1F	V1 ZERO IF	1114	+24	9004	1113
1450	1	LOD	VR1		ARITH FIXD	1113	+69	9033	1169
1451		STD	FLAG		VR1 ZERO	1169	+24	9035	1176
1452		STL	VR1		SAVE IN	1176	+20	9033	1191
1453		RAU	NBAR		FLAG	1191	+60	9021	1149
1454		TLU	Q0025		TLU ON	1149	+84	0274	1192
1455		SLT	0006		OPERATOR	1192	+35	0006	1107
1456		AUP	ARITH	8003	ADD ARITH	1107	+10	9012	8003
1457	Q0040	RAL		UBETA	FIXED ADD	0289	+65	1143	1461
1458		NZU	1F		SIMPLE LHS	1143	+44	1198	1199
1459		RAL	ALO		CHANGE TO	1199	+65	9019	1157
1460		LOD	4F	UNSTR	ALO COMMND	1157	+69	1110	0710
1461	1	LOD		GTOPN	NONSIMPLE	1198	+69	1801	0564
1462		AUP	ALO	2F	ALO RHS	1801	+10	9019	1159
1463	2	LOD	ENTER	DECOM		1159	+69	0566	1232
1464	Q0027	LOD	DVR	3F	FIXED DIV	0276	+69	1947	1150
1465	3	STD	FLAG		DVR BY	1150	+24	9035	1106
1466		LOD		GTOPN	RHS OR ACC	1106	+69	1160	0564
1467		NZU		1F	NEGATE LHS	1160	+44	1163	1164
1468		LOD	1F	NGLNA	IF RHS NEG	1163	+69	1164	0704
1469	1	RAU	FLAG	2B	AND SIMPLE	1164	+60	9035	1159
1470	Q0045	RAL		UBETA	FIXED MPY	0294	+65	1200	1461
1471		NZU	1F		SIMPLE LHS	1200	+44	1103	1104
1472		LOD	Q0029	UCHCK	NO ABS VAL	1104	+69	0278	1309
1473	Q0029	STL	TEMP1	Q0030	PREPARE TO	0278	+20	9011	0279
1474	Q0030	SLO	RAM	Q0031	COMPILE	0279	+16	1504	0280
1475	Q0031	BMI	Q0039	1F	MPY LHS	0280	+46	0288	1103
1476	Q0039	RAL	MPY	Q0042	DECOMPILE	0288	+65	1522	0291
1477	Q0042	SLO	TEMP1	Q0043	UNNEEDED	0291	+16	9011	0292
1478	Q0043	LOD		UNSTR	INSTR AND	0292	+69	1195	0710
1479		RAL	TEMP1		PUT RHS	1195	+65	9011	1153
1480		DIV	RAU		IN UPPER	1153	+14	1332	1193
1481		NZU		2F	NEGATE IF	1193	+44	1102	1152
1482		LOD	2F	NGLNA	NECESSARY	1102	+69	1152	0704
1483	2	RAL	4F	UPPER	COMPILE	1152	+65	1110	1028
1484	4	RAU	LDCH5	ENTCM	NONSIMPLE	1110	+60	9002	1355
1485	1	RAL		UPPER	MPY RHS	1103	+65	1156	1028
1486		LOD	MPY	3B	FLOAT ADD	1156	+69	1522	1150
1487	Q0041	RAL	Z0004	1F	FLOAT MPY	0290	+65	0965	1172
1488	Q0046	RAL	Z0005	1F	IF LHS	0295	+65	0966	1172
1489	1	AUP	V1		IN ACC	1172	+10	9004	1144
1490		NZU		1F	RAL RHS	1144	+44	1202	1802
1491		STL	EXIT0	4F	AND DECOMP	1202	+20	9039	1111
1492	4	LOD		GTOPN	RHS INSTR	1111	+69	1165	0564
1493		LOD	6F	DECOM	FLOAT DIV	1165	+69	1168	1232
1494	Q0028	RAL	Z0003	1F	FLOAT PWR	0277	+65	0964	1802
1495	Q0038	RAL	Z0006	1F	ACC SET	0287	+65	0967	1802
1496	1	AUP	1D	1F	FIXED PWR	1802	+10	9018	1161
1497	Q0037	RAL	Z0009	1F		0286	+65	0970	1161
1498	1	STU	V1		CHECK RHS	1161	+21	9004	1194
1499		STL	EXIT0		IN ACC	1194	+20	9039	1203
1500		RAU	FLAG		IF NOT	1203	+60	9035	1112

1501		NZU	6F		AND LHS	1112	+44	1168	1166	
1502		RAL		UBETA	SIMPLE	1166	+65	1146	1461	
1503		NZU	1F	00024	TAKE RHS	1146	+44	1803	0923	
1504	00024	LOD	00027	GETM2	FROM	0923	+69	0926	0695	
1505	00027	AUP	00023	00013	W000K	0926	+10	0922	0912	
1506	00013	SLO	1D	00014	AND STORE	0912	+16	9018	0913	
1507	00014	SUP	K	00017	IN ACC	0913	+11	9007	0916	
1508	00017	LOD	6F	CHGOP	LHS NSIMPL	0916	+69	1168	0626	
1509	1	LOD	00018	GTOPN	AND RHS	1803	+69	0917	0564	
1510	00018	NZU	2F	1F	SIMPLE	0917	+44	1196	1154	
1511	00023	99	3001	0000	DIVIDE	0922	+99	3001	0000	
1512	2	RAU	NBAR	00073	TRANSFER	1196	+60	9021	0972	
1513	00073	SUP	Q		NEG TO	0972	+11	1218	1204	
1514		BMI		3F	LHS	1204	+46	1108	1158	
1515		LOD	1F	NGLNA	ADD MPY	1108	+69	1154	0704	
1516	3	LOD	1D		STORE LHS	1158	+69	9018	1804	
1517		STD	LDCH5		IN ACC	1804	+24	9002	1162	
1518		LOD	4B	LDCH2	OTHERWISE	1162	+69	1111	1423	
1519	1	RAU	LDD		LOD RHS	1154	+60	0596	1105	
1520		LOD		DECOM	STD ACC	1105	+69	1155	1232	
1521		RAU	STDAC			1155	+60	1805	1806	
1522		LOD	6F	COMPL	TRANSFER	1806	+69	1168	1265	
1523	6	RAU	EXITO	ENTCM	TO SUBR	1168	+60	9039	1355	
1524	1									
1525		ALOLO	10	0000	8002	USED	1136	+10	0000	8002
1526		LDDLO	08	0000	8002		1182	+08	0000	8002
1527		RSLOW	01	8002	0000	CONSTANTS	1170	+01	8002	0000
1528		STDAC	28	0001	0000		1805	+28	0001	0000
1529		1800	08	0000	9012	ARITHMETIC	1800	+08	0000	9012
1530	1									
1531		00010	35	0082	7383	SLT	0909	+35	0082	7383
1532		00028	69	0073	7664	LOD	0927	+69	0073	7664
1533	1									
1534										
1535	1									
1536	1									
1537	1									
1538	1									
1539		BLR	0000	1999						
1540		BLA	0867	0867	SET AVAIL					
1541		BLA	1102	1114	STATUS					
1542		BLA	1136	1179						
1543		BLA	1182	1204						
1544		BLA	1800	1806	RERESERVE					
1545	RSLOW	SYN	RSLOW		SYMBOLIC					
1546	STDAC	SYN	STDAC		LOCATIONS					
1547	1									
1548	UPPR3	AUP	1I		IS ARITH	1100	+10	9040	1107	
1549		SUP	ARITH	UPPR1	FLOATING	1107	+11	9012	1165	
1550	UPPR2	AUP	VR	1F	IS RHS OR	1149	+10	1102	1157	
1551	UPPR1	AUP	V2	1F	LHS IN LWR	1165	+10	1168	1157	
1552	1	NZU	8002	UPPER	IF SO UPPR	1157	+44	8002	1028	
1553	X0001	RAU	Z0001		COMPILE	1115	+60	0962	0867	
1554		LOD	1I		FLOAT TO	0867	+69	9040	1173	
1555		STD	V2	WYE	UPPER	1173	+24	1168	1714	
1556	X0002	RAU	V2		COMPILE	1116	+60	1168	1174	
1557		NZU		1F	STU	1174	+44	1177	1178	
1558		RAU	STU	LDCH1	OR	1177	+60	1182	1227	
1559	1	RAU	STL	LDCH1	STL	1178	+60	1408	1227	
1560	X0003	RAU	ARITH		COMPILE	1117	+60	9012	1175	

1561		NZU		2F	RSU 8003	1175	+44	1179	1183
1562		RAU	RSUUP	3COMP	OR	1179	+60	1184	1871
1563	2	RAU	RSLOW	3COMP	RSL 8002	1183	+60	1170	1871
1564	X0004	SUP	X0007	IN200	EXP BASE	1118	+11	1121	1018
1565	X0005	LOD	BIG73		Q BECOMES	1119	+69	0259	1112
1566		STD	L	FLIK2	AN L	1112	+24	9022	1169
1567	X0006	LOD	1D		V2 IS 1	1120	+69	9018	1176
1568		STD	V2			1176	+24	1168	1171
1569		BMI	IN8	IN4		1171	+46	1022	1671
1570	X0007	NOP	0000	ARMAL	DEC ARITH	1121	+00	0000	0048
1571	X0008	RAU	Z0014	IN1	RAA 8002	1122	+60	0975	1078
1572	X0009	RAL	IN2	DROPU	ERASE ONE	1123	+65	1760	0747
1573	X0010	BMI	1180		SET TAG A	1124	+46	1180	1185
1574		SLO	ADTAG	IN11	ON INSTR	1185	+16	1138	1143
1575	IN11	SLT	0004			1143	+35	0004	1103
1576		STL	ADTAG	IN3		1103	+20	1138	0800
1577	X0011	RAL		DROPU	COMPILE	1125	+65	1136	0747
1578		RAU	1F		RAA 8002	1136	+60	1139	1193
1579		LOD		COMPL	LOD RHS	1193	+69	1146	1265
1580		RAU	BIG72	Z0018	STD VAR A	1146	+60	1530	0979
1581	Z0018	LOD		DECOM		0979	+69	1186	1232
1582		RAU	MU	FNEND		1186	+60	9009	0275
1583	1	27	8002	0000		1139	+27	8002	0000
1584	X0012	LOD	VR		SET	1126	+69	1102	1105
1585		STD	V2		VR	1105	+24	1168	1172
1586		LOD	PUNCH	LDCH2	AND	1172	+69	0180	1423
1587	X0013	AUP	V2		V2	1127	+10	1168	1137
1588		LOD	X0015	COMPL	WHEN	1137	+69	1129	1265
1589	X0014	SIA	T0001		OPERANDS	1128	+23	1050	1153
1590		RAL	V2		IN	1153	+65	1168	1187
1591		STD	VR		UPPER	1187	+24	1102	1155
1592		STU	V2	EXITO		1155	+21	1168	9039
1593	X0015	STU	V1			1129	+21	9004	1188
1594		STD	V2	ENTST		1188	+24	1168	0557
1595	X0016	STD	V2			1130	+24	1168	1189
1596		ALO	IN5	INCXK		1189	+15	1541	1211
1597	X0017	STU	VR			1131	+21	1102	1106
1598		RAL	IN6	DROPU		1106	+65	1727	0747
1599	X0018	SRT	0004	IN7		1132	+30	0004	0802
1600	X0019	STU	D0009	IN10		1133	+21	0888	0801
1601	X0020	STD	V2			1134	+24	1168	1140
1602		STD	K	ININI		1140	+24	9007	0247
1603	X0021	ALO	U	COMP1		1135	+15	9030	1067
1604	FLIK	RAL		UPPR3	ARITH SUB	1101	+65	1104	1100
1605		RAU	ARITH		GENERATORS	1104	+60	9012	1111
1606		STL	V1		V1 ZERO	1111	+20	9004	1190
1607		DVR	Z0000		ARITH X200	1190	+64	0961	1141
1608		LOD	NBAR			1141	+69	9021	1147
1609		TLU	Q0025		TLU ON OP	1147	+84	0274	1191
1610		SLT	0006	8003		1191	+35	0006	8003
1611	Q0040	ALO	ALO		ADDITION	0289	+15	9019	1197
1612		STL	FLAG		SIMPLE LHS	1197	+20	9035	1154
1613		RAL		UBETA	CHANGE TO	1154	+65	1108	1461
1614		NZU	1F		ALO OR FAD	1108	+44	1161	1162
1615		RAL	ALO		AND PUT	1162	+65	9019	1142
1616		LOD		UNSTR	RHS IN	1142	+69	1145	0710
1617		RAL	4F		UPPER IF	1145	+65	1148	1203
1618		AUP	1I		ARITHMETIC	1203	+10	9040	1113
1619		SUP	ARITH	UPPR2	FLOATING	1113	+11	9012	1149
1620	1	LOD		GTOPN	NONSIMPLE	1161	+69	1114	0564

1621		AUP	FLAG	2F	ADD RHS	1114	+10	9035	1192	
1622	2	LOD	FLIK2	DFCOM		1192	+69	1169	1232	
1623	Q0027	ALO	DVR		DIVISION	0276	+15	1947	1151	
1624		STL	FLAG	5F	DIVIDE BY	1151	+20	9035	1158	
1625	5	LOD		GTOPN	RHS OR ACC	1158	+69	1163	0564	
1626		NZU		1F	NEGATE LHS	1163	+44	1167	1144	
1627		LOD	1F	NGLNA	IF RHS NEG	1167	+69	1144	0704	
1628	1	RAU	FLAG	2B	AND SIMPLE	1144	+6Q	9035	1192	
1629	Q0045	ALO	MPY		MULTIPLI	0294	+15	1522	1194	
1630		STL	FLAG		CATION	1194	+20	9035	1152	
1631		RAL		UBETA	SIMPLF LHS	1152	+65	1156	1461	
1632		NZU	1F		NO ABS VAL	1156	+44	1109	1110	
1633		LOD	Q0029	UCHCK	PREPARE TO	1110	+69	0278	1309	
1634	Q0029	STL	TEMP1	Q0030	COMPILE	0278	+20	9011	0279	
1635	Q0030	SLO	RAM	Q0031	MPY LHS	0279	+16	1504	0280	
1636	Q0031	BMI	Q0039	1F	DECOMPILE	0280	+46	0288	1109	
1637	Q0039	RAL	FLAG	Q0042	UNNEEDED	0288	+65	9035	0291	
1638	Q0042	SLO	TEMP1	Q0043	INSTRS AND	0291	+16	9011	0292	
1639	Q0043	LOD	Q0028	UNSTR	PUT RHS	0292	+69	0277	0710	
1640	Q0028	RAL	TEMP1	Q0046	IN UPPER	0277	+65	9011	0295	
1641	Q0046	DIV	RAU	Q0038		0295	+14	1332	0287	
1642	Q0038	NZU	Q0041	2F	NEGATE IF	0287	+44	0290	1195	
1643	Q0041	LOD	2F	NGLNA	NECESSARY	0290	+69	1195	0704	
1644	2	RAL	4F	UPPR2		1195	+65	1148	1149	
1645	4	RAU	LDCH5	FLIK1		1148	+60	9002	1806	
1646	1	RAL	5B	UPPR1	MPY BY RHS	1109	+65	1158	1165	
1647	Q0037	SUP	8003		POWER	0286	+11	8003	1196	
1648		NZF	1F			1196	+45	1150	1201	
1649		RAL	Z0009	2F	FIXED PT	1201	+65	0970	1198	
1650	1	LOD	1D		FLOAT PT	1150	+69	9018	1159	
1651		STD	V1		V1 NONZERO	1159	+24	9004	1166	
1652		RAL	Z0006	2F		1166	+65	0967	1198	
1653	2	STL	EXIT0		IF RHS	1198	+20	9039	1160	
1654		RAU	VR1		NOT IN	1160	+60	9033	1199	
1655		NZU	6F		ACC	1199	+44	1803	1204	
1656		RAU	LDD		COMPILE	1204	+60	0596	1801	
1657		LOD		DECOM	LOD RHS	1801	+69	1804	1232	
1658		RAU	STDAC		STD ACC	1804	+60	1805	1164	
1659		LOD	6F	COMPL		1164	+69	1803	1265	
1660	6	RAU	EXIT0	FLIK1	COMPILE	1803	+60	9039	1806	
1661	FLIK1	LOD	FLIK2	COMPL	OPERATION	1806	+69	1169	1265	
1662	FLIK2	RAL	ARITH		MAKE VR1	1169	+65	9012	1200	
1663		SLT	0004		ZERO	1200	+35	0004	1800	
1664		STL	V2		V2	1800	+20	1168	1202	
1665		STU	VR1		Z	1202	+21	9033	1802	
1666		STD	VR	ENTER	ARITH	1802	+24	1102	0566	
1667	1									
1668		RSLOW	01	8002	0000	CONSTANTS	1170	+01	8002	0000
1669		RSUUP	03	8003	0000		1184	+03	8003	0000
1670		STDAC	28	0001	0000		1805	+28	0001	0000
1671		STU	22	0000	0000		1182	+22	0000	0000
1672	1									
1673		ADTAG	00	0000	0000		1138	+00	0000	0000
1674		Z0014	09	8002	0000	RAA 8002	0975	+09	8002	0000
1675	1									
1676		- 00010	80	0079	6161	RAA	0909	-80	0079	6161
1677		00013	32	0066	6164	FAD OP	0912	+32	0066	6164
1678		00014	33	0066	8262	FSB TABLE	0913	+33	0066	8262
1679		00017	37	0066	6174	FAM FOR	0916	+37	0066	6174
1680		00018	38	0066	8274	FSM FLOAT	0917	+38	0066	8274

1681		00023	21	0082	8384	STU	ING	0922	+21	0082	8384
1682		00024	39	0066	7477	FMP	POINT	0923	+39	0066	7477
1683		00027	34	0066	6485	FDV		0926	+34	0066	6485
1684		00028	80	0079	6161	RAA		0927	+80	0079	6161
1685		- 00073	69	0073	7664	LOD		0972	-69	0073	7664
1686				PAL							
1687	1			A							
1688	1			MULTIPASS							
1689	1			COMPILATION MODE ONLY							
1690	1										
1691				BLR	0000	1999					
1692				BLA	0002	0002					
1693				BLA	0004	0006	SET UP				
1694				BLA	0329	0349	AVAIL				
1695				BLA	0387	0398	ABILITY				
1696				BLA	0501	0555	STATUS				
1697				BLA	0770	0799					
1698				BLA	0803	0828					
1699				BLA	0838	0862					
1700				BLA	0869	0879					
1701				BLA	0889	0899					
1702				BLA	0929	0960					
1703				BLA	0989	0998					
1704				BLA	1581	1663					
1705				BLA	1901	1906					
1706				BLA	1993	1995					
1707				BLA	1997	1997					
1708		2F		EQU	1664		ERROR IND				
1709	1										
1710		1999		SET	H0001			1999	+27	9020	0004
1711				LIB	1951	7F		0004	+08	1951	0513
1712		7		RAL		1F	BEGINNING	0513	+65	0516	0521
1713				06	C0001	W0001	OF PROGRAM	0516	+06	9000	9050
1714		1		RAA		RD1	READ TITLE	0521	+80	0771	0040
1715				LOD		SR2	CARD	0771	+69	0524	0187
1716				RSL	D0004			0524	+66	0883	0337
1717				SLO	C0010			0337	+16	9009	0345
1718				STL	W0008			0345	+20	9057	0002
1719				BD7	8F	Z0016	PASS SOAP3	0002	+97	0005	0977
1720	2	Z0016		MPY	0000	0003	CARDS IF	0977	+19	0000	0003
1721		0003		BMI	3F		ANY AFTER	0003	+46	0006	0507
1722				ALO	7B	JOB4	TITLE CARD	0507	+15	0513	0517
1723		3		RAU	H0004		CHECK	0006	+60	9023	0813
1724				SUP	1I		N SUB S	0813	+11	9040	0821
1725				BMI	9500I		RANGE	0821	+46	1991	0525
1726				STD	W0008		TYPE 1	0525	+24	9057	0331
1727				AML	H0005		RESERVE	0331	+17	9024	0339
1728				STU	H0005		SPECIAL	0339	+21	9024	0347
1729				ALO	8001		EXTENSION	0347	+15	8001	0505
1730				STL	H0004		LOCATIONS	0505	+20	9023	0512
1731				LOD	8000		IN S	0512	+69	8000	0518
1732				STD	TEST		REGION	0518	+24	9017	0774
1733				RAL		JOB1	PCH TITLE	0774	+65	0527	0531
1734				RAL	TEST		TEST CONS	0527	+60	9017	0333
1735				BD1	2F		SETTING	0333	+91	1664	0338
1736				STL	H0005		NON CLOCK	0338	+21	9024	0346
1737				LOD	3F	1F	SUPPRESS T	0346	+69	0349	0502
1738		2		BD2		2F		1664	+92	0817	0519
1739				RAL		5F	IF FULL	0817	+65	0520	0775
1740				05	Y0001	W0002	CLOCKING	0520	+05	0984	9051

1741	5	LOD		SR2	PUNCH	0775	+69	0528	0187
1742		RAL		JOB3	BLR CARD	0528	+65	0781	0335
1743		RAL	6F		ADJUST	0781	+65	0334	0389
1744		AML	H0006		AVAIL FOR	0389	+17	9025	0397
1745		SIA	H0006	2F	FULL CLOCK	0397	+23	9025	0519
1746	2	LOD	2F	1F	CLOCKING	0519	+69	0522	0502
1747	1	STD	0050		SET STMNT	0502	+24	0050	0503
1748		LOD	4F		DICT ENTRY	0503	+69	0506	0509
1749		STD	D0005		SET REG T	0509	+24	0884	0387
1750		RSL	191		I0000 IS	0387	+66	1488	0343
1751		STD	MU		0019	0343	+24	9009	0549
1752		STU	W0005		INITIALIZE	0549	+21	9054	0807
1753		STD	W0006	5F	RESRVATION	0807	+24	9055	1613
1754	2	27	0005	9011	CARD LOOP	0522	+27	0005	9011
1755	3	07	0005	0003		0349	+07	0005	0003
1756	4	ALF	T	THINK		0506	+83	0000	0000
1757	5	SLO	1D		INCREMENT	1613	+16	9018	0871
1758		SDA	K		K COUNTER	0871	+22	9007	0778
1759		ALO	5D		TEST FOR	0778	+15	9046	0535
1760		BMI	5F		END	0535	+46	0388	0539
1761		RAL		ADDK	BRING IN	0539	+65	0342	9038
1762		MPY	H0000	0F	HEADER CRD	0342	+19	9019	0515
1763	0	BMI		3F	WORD IF	0515	+46	0818	0819
1764		SUP	4F		NEGATIVE	0818	+11	1621	0825
1765		NZU		3F	OVERFLOW	0825	+44	0329	0819
1766		RAL	NINE0		PUT VARBL5	0329	+65	9044	0537
1767		SCT	0004	2F	INTO CORE	0537	+36	0004	0547
1768	3	RAU	MU	2F		0819	+60	9009	0547
1769	- 0F	EQU		0B					
1770	4	80	8044	0F		1621	+80	8044	9485
1771	0	UND							
1772	2	LOD	6F		STORE	0547	+69	0334	0787
1773		STD	W0004		REG	0787	+24	9053	0393
1774		STU	NU			0393	+21	9005	0501
1775		AUP	1I			0501	+10	9040	0809
1776		STU	CHI			0809	+21	0222	0875
1777		BOV	1F			0875	+47	0828	0330
1778		ALO		ADDK	COMPUTE	0330	+15	0533	9038
1779		AUP	H0000		INST ADDR	0533	+10	9019	0341
1780		STU	MU		OF REG	0341	+21	9009	0799
1781		LOD		SPRED	CARD	0799	+69	0552	1531
1782		STU	W0003	2F		0552	+21	9052	0859
1783	1	STL	W0003	2F		0828	+20	9052	0859
1784	2	RAU	CHI		COMPUTE	0859	+60	0222	0777
1785		LOD		SPRED	DATA ADD	0777	+69	0530	1531
1786		ALO		ADDK	OF REG	0530	+15	0783	9038
1787		AUP	D0000	9F	CARD	0783	+10	0879	0933
1788	9	STU	W0002			0933	+21	9051	0391
1789		RAL		JOB3	PUNCH	0391	+65	0344	0335
1790		RAU	K		PREPARE	0344	+60	9007	0551
1791		SRT	0004		CONTROL	0551	+30	0004	0511
1792		AUP	3F		CARD FOR	0511	+10	0514	0869
1793		STD	W0004		LOCATIONS	0869	+24	9053	1625
1794		STD	W0002		I0000	1625	+24	9051	0931
1795		STU	W0001		Y0000	0931	+21	9050	0789
1796		RAU	NU		C0000	0789	+60	9005	0797
1797		LOD		SPRED	S0000	0797	+69	0550	1531
1798		STU	W0003		T0000	0550	+21	9052	0857
1799		RAL		JOB3	USED BY	0857	+65	0510	0335
1800		RSL	K	5B	EXTENSIONS	0510	+66	9007	1613

1801		RAL	H0008			0388	+65	9027	0395
1802		NZE		1F		0395	+45	0348	0849
1803		ALO	1I			0348	+15	9040	0555
1804		DIV	100I		INITIALIZE	0555	+14	1024	0785
1805		SLT	0004	1F	ABCON	0785	+35	0004	0849
1806	1	STU	SERCH		COUNT	0849	+21	0504	0957
1807		STD	H0005			0957	+24	9024	1663
1808		ALO	7F			1663	+15	0816	0772
1809		STL	D0005			0772	+20	0884	0937
1810		RAM	H0006		INITIALIZE	0937	+67	9025	0545
1811		SLO		1F	STORAGE	0545	+16	0398	0553
1812		00	0000	2009	COUNT	0398	+00	0000	2009
1813	1	STL	0000		STMNO AND	0553	+20	0000	0803
1814		STD	FFBIT		FFBIT	0803	+24	9027	0959
1815		ALO	MU		NEGATIVE	0959	+15	9009	1617
1816		AML	H0007			1617	+17	9026	0526
1817		SLT	0004			0526	+35	0004	1587
1818		STL	H0006	Z0020		1587	+20	9025	0981
1819	Z0020	RAU	2F	X0019		0981	+60	0534	1133
1820	IN10	BOV	1900	7B		0801	+47	1900	0513
1821	8	RAL	8F			0005	+65	0508	0814
1822		STD	TAU			0814	+24	9031	0770
1823		STU	QUOTA	1900		0770	+21	9034	1900
1824	1900	LOD	51D			1900	+69	9047	0806
1825		STD	U	BYPAS		0806	+24	9030	0376
1826	2	64	1000	0000		0534	+64	1000	0000
1827	3	ALF	0000	THINK		0514	+00	9090	9090
1828	6	79	6567	0098		0334	+79	6567	0098
1829	7	60	7173	0000		0816	+60	7173	0000
1830	8	RAL	RHO1		RETURN	0508	+65	0192	0847
1831		STU	FFBIT	TAU28		0847	+21	9027	0182
1832	1								
1833		Z0021	RAU	X0007	ARITH	0982	+60	0935	1121
1834			65	1000	DECIMAL	0935	+65	1000	0000
1835	1								
1836		Z0022	LOD	10I	EDT	0983	+69	9041	1276
1837	1								
1838		JOB	AUP	1F	JOB4	1637	+10	0340	0517
1839		JOB1	AUP	2F	JOB4	0531	+10	0784	0517
1840		JOB3	AUP	3F	JOB4	0335	+10	0538	0517
1841		JOB4	STU	W0010		0517	+21	9059	0776
1842			STL	EXIT2		0776	+20	9008	0934
1843			RAL	PC		0934	+65	9028	0541
1844			ALO	1I		0541	+15	9040	0899
1845			STL	W0009		0899	+20	9058	0856
1846			STD	PC		0856	+24	9028	0812
1847			RAL	TEST		0812	+65	9017	1619
1848			BMI	EXIT2		1619	+46	9008	0523
1849			RSM	W0001		0523	+68	9050	1581
1850			SLO	RSL		1581	+16	0620	0826
1851			WR1	W0001		0826	+71	9050	1583
1852			STU	W0001	EXIT2	1583	+21	9050	9008
1853	Z0007		RAL	1F	CLEAR W 1	0968	+65	0340	0795
1854			STD	W0010	ERROR	0795	+24	9059	0851
1855			WR1	W0001	CARDS	0851	+71	9050	1842
1856	1		80	0900		0340	+80	0900	0000
1857	2		80	0008		0784	+80	0008	0800
1858	3		80	0000		0538	+80	0000	0808
1859	1								
1860		SETS	LOD	D0004	SETL	0399	+69	0883	1277

1861	1											
1862		SRAC	STD	EXIT4		ABCON	0500	+24	9016	0956		
1863			RAL	SERCH	1F	PROCESSING	0956	+65	0504	1609		
1864		1	STL	MU		SUBROUTINE	1609	+20	9009	1616		
1865			SLO	H0005		LOOK FOR	1616	+16	9024	0773		
1866			NZE		1F	ABCON	0773	+45	0876	0827		
1867			ALO	8001		IN	0876	+15	8001	1633		
1868			ALO		8002	TABLE	1633	+15	0336	8002		
1869			RAL	A0001			0336	+65	0400	0805		
1870			SML	N			0805	+18	9020	1614		
1871			NZE		2F		1614	+45	1618	0820		
1872			RAL	MU			1618	+65	9009	1626		
1873			ALO	ID	1B		1626	+15	9018	1609		
1874		2	RAL	N		ABCON	0820	+65	9020	0877		
1875			BMI		3F	FOUND	0877	+46	0780	1631		
1876			RAU	RSL	3F	PREPARE	0780	+60	0620	1631		
1877		3	AUP	MU		INSTRUCTION	1631	+10	9009	0839		
1878			AUP	Z0000	EXIT4	RAL OR RSL	0839	+10	0961	9016		
1879		Z0000	00	5000	0000	WITH ABCON	0961	+00	5000	0000		
1880		1	AUP	8001		NEW ABCON	0827	+10	8001	1585		
1881			STU	MU		STORE IN	1585	+21	9009	0543		
1882			SUP	SDFGT		TABLE AND	0543	+11	0604	1659		
1883			BMI		2F	RECYCLE	1659	+46	0862	0815		
1884			RAU	MU			0862	+60	9009	0870		
1885			AUP	ID			0870	+10	9018	1627		
1886			STU	H0005			1627	+21	9024	1635		
1887			AUP	1F			1635	+10	0788	0793		
1888			AML	N	8003		0793	+17	9020	8003		
1889		1	STL	A0000	2B		0788	+20	0399	0820		
1890		2	LOD		END	IF TABLE	0815	+69	1620	0385		
1891			RAU	D0005		FULL	1620	+60	0884	0889		
1892			STL	H0005		PUNCH IT	0889	+20	9024	0396		
1893			STD	SERCH		AND BEGIN	0396	+24	0504	1607		
1894			AUP	ID	BACK	AGAIN	1607	+10	9018	1558		
1895		1										
1896			AD	RAU	FNEND	STAT READ	0378	+60	0332	0275		
1897				08	0000	9072	0332	+08	0000	9072		
1898		1										
1899			EKFK	RAL	N	SUBROUTINE	0379	+65	9020	0838		
1900				LOD	CURT1	IS IT	0838	+69	0791	0624		
1901				NZU	2F	NUMERIC	0791	+44	0845	0546		
1902				SUP	5F	IF SO	0845	+11	0548	0853		
1903				BMI	4F	SET ARITH	0853	+46	1606	1657		
1904				ALO	1I	4F	1606	+15	9040	1657		
1905		5		00	0000	0500	0548	+00	0000	0500		
1906		4		AUP	9500I	3F	1657	+10	1991	0895		
1907		2		RAU	CHI		0546	+60	0222	0878		
1908				ALO		INCXK	0878	+15	0532	1211		
1909				STU	CHI		0532	+21	0222	1628		
1910				AUP	4F		1628	+10	0782	0938		
1911				LOD	N	8003	0938	+69	9020	8003		
1912		4		STD	K0000		0782	+24	0828	0932		
1913				RAU	CHI		0932	+60	0222	0529		
1914				SRT	0002		0529	+30	0002	0536		
1915				ALO	FLAG	3F	0536	+15	9035	0895		
1916		3		AUP	LDD		0895	+10	0596	0951		
1917				STL	ARITH		0951	+20	9012	0808		
1918				LOD	KFKE	COMPL	0808	+69	1420	1265		
1919		1										
1920			HIFF	RAU	D0006	HIFF1	P IN 8003	0380	+60	0885	0658	

1921	1								
1922		MF	RAU		FNEND	READ PROG	0382	+60	0786 0275
1923			08	0000	9070	STATEMENT	0786	+08	0000 9070
1924	1								
1925		EDIT1	RSU	JAY		TYPE EDIT	0383	+61	9001 0841
1926			AUP		FNEND	OR PCH7	0841	+10	0394 0275
1927			08	0000	9017		0394	+08	0000 9017
1928	1								
1929		PNCH	LOD	TEST		INSTRCTION	0384	+69	9017 0390
1930			BD1		1F	PUNCHING	0390	+91	0843 0945
1931			RAU	C0007		IF CLOCK	0843	+60	9006 1601
1932			NZU		Z0019	AND STNUM	1601	+44	0855 0980
1933			LOD		SPRED	NONZERO	0855	+69	0858 1531
1934			AUP	D0004	2F	PREPARE	0858	+10	0883 1588
1935		Z0019	BMI	PNCH	1F	S000N LINK	0980	+46	0384 0945
1936	1		RAU		2F		0945	+60	0798 1588
1937			ALF	1F	THINK	OTHERWISE	0798	+91	6600 0000
1938	2		STU	L0004		PROG PT 1F	1588	+21	0866 0822
1939			RAU	0000			0822	+60	0000 0955
1940			BOV	TAU		ERROR STRT	0955	+47	9031 0810
1941			STL	TALLY		IF PRESENT	0810	+20	9036 0872
1942			NZU		1F	STNUM	0872	+44	0779 0879
1943			BMI	4F		NONZERO	0779	+46	1582 1584
1944			LOD	TEST		AND IN	1584	+69	9017 0540
1945			BD1		1F	CLOCK MODE	0540	+91	0893 0879
1946			ALO	ALO		PREPARE	0893	+15	9019 1651
1947			LOD	3F	2F	T000N LINK	1651	+69	0554 0958
1948	1		LOD	1F	2F	IF NEG PRE	0879	+69	1632 0958
1949	4		RAL	4F	2F	PARE GO TO	1582	+65	0936 0958
1950	2		STD	COUNT		OTHERWISE	0958	+24	9014 1615
1951			LOD		SPRED	PROG PT 1	1615	+69	1622 1531
1952			AUP	D0004		PREPARE	1622	+10	0883 1638
1953			STU	W0001		L ADDR OF	1638	+21	9050 0995
1954			RSL	8002		STATEMENT	0995	+66	8002 0953
1955			SCT	0005		DICT ENTRY	0953	+36	0005 0823
1956			AUP	H0006		CHECK IF	0823	+10	9025 1634
1957			AUP	U		STORAGE	1634	+10	9030 0891
1958			SUP	51D		EXCEEDED	0891	+11	9047 0949
1959			STD	K			0949	+24	9007 1605
1960			STU	H0006			1605	+21	9025 0873
1961			AUP	H0005			0873	+10	9024 1586
1962			SRT	0002			1586	+30	0002 0943
1963			AUP	D0005			0943	+10	0884 0939
1964			SUP	7B			0939	+11	0816 1623
1965			BMI	2F		IF SO	1623	+46	0929 1629
1966			RSM	RAU		CLEAR AND	1629	+68	1332 0989
1967			STL	H0006	LARMB	ALARM 0202	0989	+20	9025 1776
1968	1		RAL	L0006	3F	PROG PT 1	1632	+65	0868 0554
1969	4		RAL	I0001	3F	SYMBL GOTO	0936	+65	0613 0554
1970	3		STL	W0001		OR T000N	0554	+20	9050 1612
1971			RAL	2F	SD002		1612	+65	0929 1220
1972	2		RAL	TALLY		MOVE	0929	+65	9036 1589
1973			SLO	QUOTA		STATEMENT	1589	+16	9034 0897
1974			NZE		3F	INTO	0897	+45	0850 1901
1975			ALO	8001		COMMENTS	0850	+15	8001 1608
1976			ALO	2D		POSITION	1608	+15	9043 0824
1977			STL	TALLY			0824	+20	9036 1636
1978			ALO		4F		1636	+15	1639 0993
1979			02	G9999	W0005		1639	+02	0005 9054
1980	4		LOD	4F	SR2		0993	+69	0796 0187

1981	3	STU	W0005			1901	+21	9054	0860
1982		STD	W0006	4F		0860	+24	9055	0796
1983	4	RAL		ADDK	BRING IN	0796	+65	1599	9038
1984		59	9999	X0018	INSTRUCTION	1599	+59	9999	1132
1985	5F	EQU	1998		DICTIONARY				
1986	IN7	STU	MU		PROCESS	0802	+21	9009	0960
1987		SUP	8001		I ADDRESS	0960	+11	8001	0874
1988		SLT	0001		FIRST	0874	+35	0001	0790
1989		NZU		7F	IF DIGIT4	0790	+44	1593	0544
1990		STL	EXIT1		NONZERO	1593	+20	9010	0950
1991		SRT	0006		ADD CORRES	0950	+30	0006	1624
1992		ALO		SD001	PENDING D	1624	+15	0930	9037
1993		LOD	D0000	0001	TABLE	0930	+69	0879	0001
1994	0001	STD	N		ENTRY	0001	+24	9020	1658
1995		RAL	EXIT1			1658	+65	9010	1630
1996		SLT	0003			1630	+35	0003	0840
1997		LOD		SPRED		0840	+69	1643	1531
1998		AUP	N	5F		1643	+10	9020	1998
1999	5	BOV	4F			1998	+47	0852	1603
2000		STU	W0002	8F	D ADDRESS	1603	+21	9051	0811
2001	4	STU	W0003		FINISH	0852	+21	9052	1610
2002		RAL	MU		I ADDRESS	1610	+65	9009	0890
2003		SLT	0006	IN7		0890	+35	0006	0802
2004	7	SLT	0001		IF DIGIT3	0544	+35	0001	0952
2005		NZU	OF		IS ZRO AND	0952	+44	1655	1656
2006		ALO		8001	D1 NONZERO	1656	+15	1660	8001
2007		SLT	0002	OF	GET L TBLE	1660	+35	0002	1655
2008	0	SLT	0004		ENTRY	1655	+35	0004	0940
2009		AUP		8003	DIGIT 3	0940	+10	1993	8003
2010		RAU	K0000	1996	NONZERO IS	1993	+60	0828	1996
2011	1996	SRT	0002		A NAMED	1996	+30	0002	1653
2012		AUP	9000D		SUBROUTINE	1653	+10	1906	0861
2013		AUP	D0009	5B		0861	+10	0888	1998
2014	8	RAU	MU			0811	+60	9009	0990
2015		SCT	0004			0990	+36	0004	1602
2016		AUP		8003	PROCESS	1602	+10	1905	8003
2017		RAU	00001	X0010	OP CODE	1905	+60	0900	1124
2018	1180	SLO	1181	IN11	AND	1180	+16	1181	1143
2019	1181	ALF	A	THINK	TAG	1181	+00	0061	0000
2020	IN3	STU	W0004			0800	+21	9053	1611
2021		RSL	K		TEST FOR	1611	+66	9007	1590
2022		SLO	1D		END	1590	+16	9018	0947
2023		SDA	K			0947	+22	9007	0804
2024		ALO	U			0804	+15	9030	1661
2025		BMI	4F			1661	+46	1640	0941
2026		RAL	0000			0941	+65	0000	1662
2027		BMI	COUNT			1662	+46	9014	0991
2028		RAL	COUNT	JOB	PUNCH	0991	+65	9014	1637
2029	4	RAU	W0002		ON LAST	1640	+60	9051	0997
2030		NZU	3F	1F	CARD	0997	+44	1652	1902
2031	3	RAU	W0003		INSERT	1652	+60	9052	1591
2032		NZU	5F	3F	LINKAGE	1591	+44	1595	0846
2033	1	LOD	L0004		INTO	1902	+69	0866	1641
2034		STD	W0002	3B	BLANK	1641	+24	9051	1652
2035	3	LOD	L0004		ADDRESSES	0846	+69	0866	0392
2036		STD	W0003	5F	AND GO	0392	+24	9052	1595
2037	5	RAL	IN300	JOB	TO TAU	1595	+65	1842	1637
2038	1								
2039	END	STD	EXIT3		PUNCH	0385	+24	9000	0542
2040		RAU	H0005		OUT	0542	+60	9024	1649

2041		STL	W0006		ABCON	1649	+20	9055	0792
2042		SRT	0004		TABLE	0792	+30	0004	1903
2043		STD	W0005	IF	THROUGH	1903	+24	9054	0842
2044	1	STU	H0005		SERCH	0842	+21	9024	1600
2045		SUP	1I			1600	+11	9040	0892
2046		LOD		SPRED		0892	+69	1645	1531
2047		AUP	D0005		ADJUST	1645	+10	0884	0942
2048		STU	W0001		TO	0942	+21	9050	1650
2049		RAL	H0005		SOAP III	1650	+65	9024	0992
2050		SLT	0004		FORMAT	0992	+35	0004	0854
2051		SLO	SERCH			0854	+16	0504	1592
2052		NZE		EXIT3		1592	+45	0896	9000
2053		ALO	8001			0896	+15	8001	0954
2054		ALO		8002		0954	+15	1642	8002
2055		RAL	A0000			1642	+65	0399	1604
2056		LOD	8003			1604	+69	8003	0794
2057		SDA	TEMP1			0794	+22	9011	1654
2058		AUP	8003			1654	+10	8003	0844
2059		SIA	N			0844	+23	9020	1904
2060		SLT	0002			1904	+35	0002	0894
2061		RAU	8003			0894	+60	8003	0944
2062		LOD		SPRED		0944	+69	1597	1531
2063		SUP	NONO			1597	+11	0994	1594
2064		SLT	0004			1594	+35	0004	1644
2065		STU	W0004			1644	+21	9053	1994
2066		RAU	TEMP1			1994	+60	9011	1995
2067		SRT	0004			1995	+30	0004	0946
2068		LOD		SPRED		0946	+69	0996	1531
2069		STU	W0002			0996	+21	9051	1596
2070		RAU	N			1596	+60	9020	1646
2071		LOD		SPRED		1646	+69	1647	1531
2072		STU	W0003			1647	+21	9052	1997
2073		RAL		JOR		1997	+65	0848	1637
2074		RAU	H0005			0848	+60	9024	0898
2075		SUP	1I	1B		0898	+11	9040	0842
2076	1								
2077		LARMA	BOV	95001	HANG IF	0386	+47	1991	0948
2078			HLT	1234	1234	0948	+01	1234	1234
2079	1				STORAGE EX				
2080		NONO	ALF	00	THINK	0994	+00	9090	0000
2081		9000D	00	9000	0000	1906	+00	9000	0000
2082		0000	00	0000	0000	0000	+00	0000	0000
2083	1				CONSTANTS				
2084		00001	ALF	RAL	THINK	0900	+00	0079	6173
2085		00002	ALF	RSL	THINK	0901	+00	0079	8273
2086		00003	ALF	RAU	THINK	0902	+00	0079	6184
2087		00004	ALF	RSU	THINK	0903	+00	0079	8284
2088		00005	ALF	RAM	THINK	0904	+00	0079	6174
2089		00006	ALF	RSM	THINK	0905	+00	0079	8274
2090		00007	ALF	HLT	THINK	0906	+00	0068	7383
2091		00008	ALF	NOP	THINK	0907	+00	0075	7677
2092		00009	ALF	LOD	THINK	0908	+00	0073	7664
2093		00011	ALF	ALO	THINK	0910	+00	0061	7376
2094		00012	ALF	SLO	THINK	0911	+00	0082	7376
2095		00015	ALF	AML	THINK	0914	+00	0061	7473
2096		00016	ALF	SML	THINK	0915	+00	0082	7473
2097		00019	ALF	BMI	THINK	0918	+00	0062	7469
2098		00020	ALF	NZE	THINK	0919	+00	0075	8965
2099		00021	ALF	STL	THINK	0920	+00	0082	8373
2100		00022	ALF	MPY	THINK	0921	+00	0074	7788

2101		00025	ALF	DVR	THINK		0924	+00	0064	8579	
2102		00026	ALF	DIV	THINK		0925	+00	0064	6985	
2103		00029	ALF	STD	THINK		0928	+00	0082	8364	
2104	1										
2105		L0001	ALF		THINK	L TABLE	0863	+00	0000	0000	
2106		L0002	ALF	ACC	THINK	FOR	0864	+61	6363	0000	
2107		L0003	ALF	0004	THINK	PUNCH	0865	+00	9090	9094	
2108		L0004	01	1	TEMP2	ROUTINE	0866	+01	0866	9032	
2109		L0005	ALF	2F	THINK		0867	+92	6600	0000	
2110		L0006	ALF	1	THINK		0868	+91	0000	0000	
2111	1										
2112		D0001	ALF	I	THINK	D TABLE	0880	+69	0000	0000	
2113		D0002	ALF	Y	THINK	FOR	0881	+88	0000	0000	
2114		D0003	ALF	C	THINK	PUNCH	0882	+63	0000	0000	
2115		D0004	ALF	S	THINK	ROUTINE	0883	+82	0000	0000	
2116		D0005	01	1	1		0884	+01	0884	0884	
2117		D0006	ALF	P	THINK		0885	+77	0000	0000	
2118		D0007	ALF	W	THINK		0886	+86	0000	0000	
2119		D0008	00	0800	0000	8000 ADDR	0887	+00	0800	0000	
2120		D0009	01	1	1	EXTENSIONS	0888	+01	0888	0888	
2121	1										
2122		Y0001	ALF	1900	THINK	BLR	0984	+00	9199	9090	
2123		Y0002	ALF	1997	THINK	CARD	0985	+00	9199	9997	
2124		Y0003	ALF	BLR	THINK		0986	+62	7379	0000	
2125		Y0004	ALF	FULL	THINK		0987	+66	8473	7300	
2126		Y0005	ALF	CLOCK	THINK		0988	+63	7376	6372	
2127	1										
2128		Z0001	08	0000	9004	Z TABLE	0962	+08	0000	9004	
2129		Z0002	08	0000	9005	OF	0963	+08	0000	9005	
2130		Z0003	08	0000	9006	PUNCH	0964	+08	0000	9006	
2131		Z0004	08	0000	9008	CODES	0965	+08	0000	9008	
2132		Z0005	08	0000	9009	USED	0966	+08	0000	9009	
2133		Z0006	08	0000	9010	IN	0967	+08	0000	9010	
2134		Z0008	08	0000	9500	TYPE A	0969	+08	0000	9500	
2135		Z0009	08	0000	9501	PROCESSING	0970	+08	0000	9501	
2136		Z0010	08	0000	9016		0971	+08	0000	9016	
2137		Z0012	00	0000	0002		0973	+00	0000	0002	
2138		Z0013	10	0002	8002	ALO 0004	0974	+10	0002	8002	
2139		Z0014	09	0002	0000	SLT 0004	0975	+09	0002	0000	
2140		Z0015	19	0003	0000	NZE1F	0976	+19	0003	0000	
2141		Z0016	19	0000	0003	NZE 1F	0977	+19	0000	0003	
2142		Z0017	18	0003	0000	BMI1F	0978	+18	0003	0000	
2143		Z0018	10	0004	0000	ALO2F	0979	+10	0004	0000	
2144			PAL								
2145	0		BLA	0998	0998	AVAILABLE					
2146	0		BLA	1598	1598	AVAILABLE					
2147	1			B							
2148	1			SINGLE PASS							
2149	1			COMPILATION MODE ONLY							
2150			BLR	0000	1999						
2151			BLA	0001	0006						
2152			BLA	0329	0349	SET UP					
2153			BLA	0387	0388	AVAIL					
2154			BLA	0504	0555	ABILITY					
2155			BLA	0770	0786						
2156			BLA	0786	0865						
2157			BLA	0869	0872						
2158			BLA	0877	0879						
2159			BLA	1566	1572						
2160			BLA	0889	0899						

2161		RLA	0929	0960					
2162		BLA	0984	0993					
2163		BLA	1579	1663					
2164		BLA	1900	1906					
2165		BLA	1993	1998					
2166	5F	EQU	1664						
2167	LOCUS	EQU	T0003						
2168	INSTR	EQU	T0004						
2169	2HOLD	EQU	T0005						
2170	9000I	EQU	00008						
2171	SERCH	SYN	SERCH						
2172	IN3	SYN	IN3						
2173	1								
2174	1999	SET	H0001		MOVE UP	1999	+27	9020	0004
2175		LIB	1951		H CARD	0004	+08	1951	0513
2176		SET	W0001			0513	+27	9050	0518
2177		LDI	B0001			0518	+09	0868	0520
2178		RSL	H0004		BEGINNING	0520	+66	9023	0527
2179		BMI		9500I	CHECK	0527	+46	0330	1991
2180		LOD	19I	00029	N SUB S	0330	+69	1488	0928
2181	00029	STD	U	3F	I0000 IS	0928	+24	9030	0334
2182	3	STU	K		0019	0334	+21	9007	0341
2183		RAL	00022	ADDK		0341	+65	0921	9038
2184	00022	MPY	H0001	00019	PUT REGION	0921	+19	9020	0918
2185	00019	BMI	1F		IN CORE IF	0918	+46	0521	0522
2186		RAL	8001		NEGATIVE	0522	+65	8001	0329
2187		AUP	U	2F	PREPARE	0329	+10	9030	0337
2188	1	RAU	9000I	2F	CONTROL	0521	+60	0907	0337
2189	2	ALO	U		CARD WITH	0337	+15	9030	0345
2190		ALO	1I		LOCATIONS	0345	+15	9040	0003
2191		SLO	8002		I0000	0003	+16	8002	0511
2192		STD	U		Y0000	0511	+24	9030	0517
2193		ALO		ADDK	C0000	0517	+15	0770	9038
2194		STU	W0002		S0000	0770	+21	9051	0777
2195		RAU	K		T0000	0777	+60	9007	0335
2196		SUP	3D		USED BY	0335	+11	1913	0817
2197		NZU		1F	EXTENSIONS	0817	+44	0771	0772
2198		AUP	4D	3B		0771	+10	9045	0334
2199	1	RAA		RD1	READ	0772	+80	0002	0040
2200		LOD	C0010		COMMENTS	0002	+69	9009	0508
2201		BD7	9500I		CARD	0508	+97	1991	0813
2202		RAU	8000		CHECK 8000	0813	+60	8000	0821
2203		BMI		1F	IF FULL	0821	+46	0524	0525
2204		LOD	3F	2F	CLOCKING	0524	+69	0827	0530
2205	1	LOD	4F	2F	T0000 IS	0525	+69	0528	0530
2206	2	STD	W0010		POSITIVE	0530	+24	9059	0336
2207		STU	TEST		IF NO	0336	+21	9017	0343
2208		BD1	5F	1F	CLOCKING	0343	+91	1664	0348
2209	5	RAU	U		T0000 IS	1664	+60	9030	0871
2210		STD	B0006		ZERO	0871	+24	0873	0526
2211		STD	W0006			0526	+24	9055	0332
2212		AUP	H0004			0332	+10	9023	0339
2213		AUP	1I		FIX	0339	+10	9040	0347
2214		LOD		2F	STATEMENT	0347	+69	0550	0553
2215		27	4000	9891	DICTIONARY	0550	+27	4000	9891
2216	1	STL	B0006		ENTRY	0348	+20	0873	0776
2217		STD	W0006			0776	+24	9055	0532
2218		RAU	U			0532	+60	9030	0539
2219		LOD		2F		0539	+69	0342	0553
2220		07	4000	0300		0342	+07	4000	0300

2221	2	STD	KEEP		MAKE 8002	0553	+24	0006	0509	
2222		MPY	50I		AN EVEN	0509	+19	0512	0533	
2223		SRD	0002		NUMBER	0333	+31	0002	0541	
2224		ALO	8002		AND PUT IT	0541	+15	8002	0349	
2225		STL	INSTR	00015	IN 0000	0349	+20	1053	0914	
2226	00015	AML	H0007			0914	+17	9026	1571	
2227		AML	H0005		SET	1571	+17	9024	0529	
2228		STL	D0005	00025	A0000	0529	+20	0884	0924	
2229	00025	DVR	50I			0924	+64	0512	0523	
2230		STU	H0005		GENERATE	0523	+21	9024	0331	
2231		RAU	8002		WARNING	0331	+60	8002	0789	
2232		AUP	4I		CONSTANT	0789	+10	0542	0547	
2233		LOD	6F		AND	0547	+69	0850	0803	
2234		STD	E0003		STARTING	0803	+24	1042	0545	
2235		MPY	50I		LOCATION	0545	+19	0512	0533	
2236		STL	WHOA		FOR	0533	+20	0387	0340	
2237		RAU	MAXU		FARNL	0340	+60	0308	0863	
2238		SDA	1HOLD		ROUTINE	0863	+22	1567	0820	
2239		LOD	TEST		TEST FOR	0820	+69	9017	0826	
2240		BD2	9F		FULL	0826	+92	0779	0531	
2241		RAL	1998I	00026	CLOCKING	0531	+65	0534	0925	
2242	9	RAL	1900I	00016		0779	+65	0782	0915	
2243	00016	SML	H0006	00026	SKIP OVER	0915	+18	9025	0925	
2244	00026	DIV	50I		BASIC	0925	+14	0512	0773	
2245		STU	LEVEL		PACKAGE	0773	+21	0778	0781	
2246		NZU	1F			0781	+44	0535	0536	
2247		SLO	1I	1F		0536	+16	9040	0535	
2248	1	RAU	8002			0535	+60	8002	0543	
2249		MPY	50I			0543	+19	0512	0783	
2250		STL	BAND	8F	SET	0783	+20	0537	0540	
2251	8	LOD	Z0022	7F	INCREMENT	0540	+69	0983	0786	
2252	7	STD	SERCH		TO MINUS 1	0786	+24	0504	0507	
2253		RAL	COUNT	E0003		0507	+65	9014	1042	
2254	6	RAL		1F	PUNCH	0850	+65	0853	0807	
2255		04	W0002	D0001	CONTROL	0853	+04	9051	0880	
2256	1	LOD		SR2	CARD	0807	+69	0510	0187	
2257		RAL		PCHSW		0510	+65	1613	1617	
2258		STU	LOCUS			1613	+21	1052	0005	
2259		LOD	1F		INITIALIZE	0005	+69	0808	0811	
2260		STD	COUNT	5PERA	5 PER CARD	0811	+24	9014	0818	
2261	1	RAA		RD1	ROUTINE	0808	+80	0338	0040	
2262		RAL	1F			0338	+65	0791	0795	
2263		LOD		LAST1	START	0795	+69	0548	0001	
2264		STL	INSTR		PROGRAM	0548	+20	1053	0506	
2265		RAU	MAXU		IN	0506	+60	0308	1663	
2266		SDA	LOCUS		LOCATION	1663	+22	1052	0505	
2267		LOD	1F	5PER	1999	0505	+69	0791	0344	
2268	3	80	0900	0008		0827	+80	0900	0008	
2269	4	00	8800	0000		0528	+00	8800	0000	
2270	1	RAL	RHO1	TAU28	RETURN	0791	+65	0192	0182	
2271	1									
2272	1									
2273		Z0020	NOP	0100	ALARM	ARITH FLOT	0981	+00	0100	0049
2274		Z0021	NOP	0099	ALARM	ARITH DEC	0982	+00	0099	0049
2275		Z0022	NOP	0000	ALARM	CONVERT	0983	+00	0000	0049
2276	1									
2277		INCCC	AUP	W0009	1F	INCREMENT	1626	+10	9058	0833
2278	5	INCCC	AUP	W0001	1F	CARD COUNT	1626	+10	9050	0833
2279	1		AUP	1I	1F		0833	+10	9040	0841
2280	1		STU	W0009	PCHSW		0841	+21	9058	1617

2281	5	1F	FQU	1B								
2282	5	1	STU	W0001	PCHSW			0841	+21	9050	1617	
2283		PCHSW	LOD	W0010				1617	+69	9059	0823	
2284			BD7	OKAY	8002			0823	+97	0877	8002	
2285		OKAY	WR1	W0001	8002			0877	+71	9050	8002	
2286	5	OKAY	SET	W0001				0877	+27	9050	0832	
2287	5		WTN	8012				0832	+06	8012	0787	
2288	5		NTS	8002				0787	+25	8002	0792	
2289	5		BST	8012	OKAY			0792	+57	8012	0877	
2290	1											
2291		SETS	LOD	OF	SETL		L SET TO S	0399	+69	0552	1277	
2292		0	ALF	S	THINK			0552	+82	0000	0000	
2293	1											
2294		SRAC	STD	EXIT4			ABCON	0500	+24	9016	0806	
2295			RAL	H0005	1F		PROCESSING	0806	+65	9024	0514	
2296	1		STL	MU			SUBROUTINE	0514	+20	9009	0822	
2297			NZE		1F		LOOK FOR	0822	+45	1627	0828	
2298			ALO		8002		ABCON IN	1627	+15	0780	8002	
2299			RAL	A0000			TABLE	0780	+65	0399	0953	
2300			SML	N				0953	+18	9020	0861	
2301			NZE		2F			0861	+45	0814	0515	
2302			RAL	MU				0814	+65	9009	1621	
2303			SLO	1D	1B			1621	+16	9018	0514	
2304	2		RAL	N			ABCON	0515	+65	9020	1623	
2305			BMI		3F		FOUND	1623	+46	0878	1628	
2306			RAU	RSL	3F		PREPARE	0878	+60	0620	1628	
2307	3		AUP	MU			INSTRUCTION	1628	+10	9009	0785	
2308			AUP	Z0000	EXIT4		RAL OR RSL	0785	+10	0961	9016	
2309	Z0000		00	4999	0000		WITH ABCON	0961	+00	4999	0000	
2310	1		RAU	H0005				0828	+60	9024	0835	
2311			SUP	Z0021			NEW ABCON	0835	+11	0982	0837	
2312			BMI		5F		STORE IN	0837	+46	0790	0891	
2313			AUP	Z0020			TABLE	0790	+10	0981	0935	
2314			STU	H0005			AND	0935	+21	9024	0793	
2315			STD	MU			RECYCLE	0793	+24	9009	0549	
2316			AUP	2F				0549	+10	0802	0857	
2317			AML	N	8003			0857	+17	9020	8003	
2318	2		STL	A0000	2B			0802	+20	0399	0515	
2319	5		SCT	0001			IF TABLE	0891	+36	0001	0797	
2320			LOD		END		FULL	0797	+69	0950	0385	
2321			RAL	WHOA			PUNCH	0950	+65	0387	0941	
2322			ALO	1001			IT	0941	+15	1024	0829	
2323			STL	WHOA			AND	0829	+20	0387	0840	
2324			RAU	D0005			BEGIN	0840	+60	0884	0839	
2325			STL	H0005			AGAIN	0839	+20	9024	0346	
2326			AUP	1001	BACK			0346	+10	1024	1558	
2327	1											
2328		AD	RAL		MAKUP		STAT READ	0378	+65	0831	0985	
2329			ALF	STATR	THINK		STATEMENT	0831	+82	8361	8379	
2330	1											
2331		EKFK	RAL	N			SUBROUTINE	0379	+65	9020	0937	
2332			LOD	KFKE	EXTPR		PROCESSING	0937	+69	1420	0774	
2333		EXTPR	STD	EXITO	1F			0774	+24	9039	0830	
2334		MAKUP	LOD	PUNCH			MAKE 8002	0985	+69	0180	0933	
2335			STD	EXITO			UP INTO A	0933	+24	9039	0889	
2336			STL	N	1F		NAMED SUB	0889	+20	9020	0830	
2337	1		LOD		CURT1		IS IT	0830	+69	1583	0624	
2338			NZU		2F		NUMERIC	1583	+44	0987	0388	
2339			SUP	5F			IF SO	0987	+11	0890	0845	
2340			BMI		4F		SET ARITH	0845	+46	0798	0799	

2341		RAL	II	4F	FIX IF	0798	+65	9040	0799
2342	5	00	0000	0500	N W 500	0890	+00	0000	0500
2343	2	RAL	FLAG	4F		0388	+65	9035	0799
2344	4	STL	ARITH	00002	SET ARITH	0799	+20	9012	0901
2345	00002	RSL	PC	2F	LOOK FOR	0901	+66	9028	0809
2346	2	STL	MU		NAMED	0809	+20	9009	0516
2347		NZE		2F	SUBROUTINE	0516	+45	0870	0872
2348		ALO		8002	IN TABLE	0870	+15	0824	8002
2349		RAL	A0000	00012		0824	+65	0399	0911
2350	00012	SLO	N			0911	+16	9020	0519
2351		NZE		3F		0519	+45	1572	1624
2352		RAL	MU			1572	+65	9009	0879
2353		ALO	1D	2B		0879	+15	9018	0809
2354	2	RAU	PC		NEW NAME	0872	+60	9028	0929
2355		SUP	10D		STORE IN	0929	+11	9049	1587
2356		NZU		1F	TABLE	1587	+44	0991	0842
2357		AUP	11D		INCREMENT	0991	+10	0544	0849
2358		STU	PC		PC	0849	+21	9028	0957
2359		SUP	2F		IF MORE	0957	+11	0810	0815
2360		LOD	N	8003	THAN TEN	0815	+69	9020	8003
2361	2	STD	A0000	00004	SUBRS USED	0810	+24	0399	0903
2362	1	RAL	HLT	LARM	ALARM 0606	0842	+65	0365	0046
2363	00004	RSU	PC	4F	NAME FOUND	0903	+61	9028	1611
2364	3	RAU	MU	4F		1624	+60	9009	1611
2365	4	SRT	0004		COMPILE	1611	+30	0004	1622
2366		AUP	8018I	OUTCM	LOD SUBR	1622	+10	0775	1097
2367	1								
2368		HIFF	RAU	HIFF1	P IN 8003	0380	+60	1633	0658
2369		ALF	P	THINK		1633	+77	0000	0000
2370	1								
2371		MF	RAL	M	MAKUP	0382	+65	1968	0985
2372	1								
2373		EDIT1	RAM	JAY	EDIT	0383	+67	9001	1591
2374			NZE	MAKUP	OR E 017	1591	+45	0985	0895
2375			RAU		FNEND	0895	+60	0848	0275
2376			08	0000	9840	0848	+08	0000	9840
2377	1								
2378		FARNL	STD	E0003	FIND	1579	+24	1042	0945
2379			RAL	LEVEL	AND	0945	+65	0778	0784
2380			ALO	SERCH	RESERVE	0784	+15	0504	0859
2381			SLO	50I	NEXT	0859	+16	0512	1568
2382			BMI		LOCATION	1568	+46	0825	1625
2383			ALO	8001		0825	+15	8001	1625
2384	1		STL	LEVEL		1625	+20	0778	0931
2385			NZE	2F		0931	+45	0834	1585
2386			RAL	BAND	GO TO	1585	+65	0537	1641
2387			STD	COUNT	NEW BAND	1641	+24	9014	0847
2388			SLO	1900I	NORMAL	0847	+16	0782	1637
2389			NZE		INCR IS 11	1637	+45	0940	0779
2390			ALO	D0006	SWITCH TO	0940	+15	0885	0939
2391			STL	BAND	MINUS 1 IF	0939	+20	0537	0990
2392			SLO	WHOA	CLOSE TO	0990	+16	0387	0892
2393			BMI	8B	ABCONS	0892	+46	0540	0546
2394			LOD	11I		0546	+69	1068	0786
2395	2		ALO	BAND	E0003	0834	+15	0537	1042
2396	1								
2397		Z0019	STL	C0007	PNCH	0980	+20	9006	0384
2398		PNCH	RAU	0000	STNUM ZERO	0384	+60	0000	0555
2399			SLT	0004	INSTRUCTION	0555	+35	0004	0865
2400			AUP	KEEP	PUNCHING	0865	+10	0006	1661
					ROUTINE				

2401		STU	0050	00006		1661	+21	0050	0905
2402	00006	RSM	0051		MAKE FIRST	0905	+68	0051	0805
2403		BOV	TAU		ERROR STRT	0805	+47	9031	0860
2404		STL	0051		INSTR NEG	0860	+20	0051	0554
2405		LOD	1HOLD		MOVE 1HOLD	0554	+69	1567	1570
2406		STD	2HOLD		INTO 2HOLD	1570	+24	1054	1607
2407		RAU	LEVEL			1607	+60	0778	0934
2408		STL	1HOLD		CHECK	0934	+20	1567	1620
2409		AUP	BAND		IF	1620	+10	0537	0942
2410		SUP	D0005		STORAGE	0942	+11	0884	0989
2411		SCT	0004		EXCEEDED	0989	+36	0004	0899
2412		SUP	H0005			0899	+11	9024	1657
2413		SUP	U			1657	+11	9030	1615
2414		AUP	51D		IF SO	1615	+10	9047	1629
2415		STD	K		CLEAR AND	1629	+24	9007	1635
2416		BMI		1F	ALARM 0202	1635	+46	0538	1589
2417		LOD	1D			0538	+69	9018	0794
2418		STD	BAND		SKIP STMNT	0794	+24	0537	1590
2419		RAL	RAU	LARMB	DICT ENTRY	1590	+65	1332	1776
2420	1	RAU	0000		IF STNUM	1589	+60	0000	0855
2421		NZU		7F	IS ZERO	0855	+44	0959	0960
2422		AUP	D0004	8F		0959	+10	0883	0788
2423	8	STU	LOCUS		LOCAT ADDR	0788	+21	1052	0955
2424		RAL		ADDK		0955	+65	0858	9038
2425		59	9999		MINUS INST	0858	+59	9999	0819
2426		BMI		3F	PUT 2HOLD	0819	+46	0930	1580
2427		LOD	2HOLD		INTO LOCAT	0930	+69	1054	0958
2428		STD	LOCUS			0958	+24	1052	1605
2429		RSU	8003	3F		1605	+61	8003	1580
2430	3	SRT	0004			1580	+30	0004	0992
2431		STU	MU		PROCESS	0992	+21	9009	0949
2432		SUP	8001		INST ADDR	0949	+11	8001	1608
2433		SLT	0001		FIRST	1608	+35	0001	0816
2434		NZU	2F			0816	+44	0869	1630
2435		SLT	0001			1630	+35	0001	0838
2436		NZU	6F		DECODE	0838	+44	1592	1642
2437		NZE	4F			1642	+45	0796	0897
2438		RAL	K		BLANK ADDR	0897	+65	9007	1655
2439		SLO	U		IS THIS	1655	+16	9030	0864
2440		NZE		J0001	LAST	0864	+45	1618	0501
2441		LOD		FARNL	GO THROUGH	1618	+69	1581	1579
2442		STL	T0006	5F	FARNL	1581	+20	1055	1658
2443	4	SRT	0008		DIGITS 3 4	0796	+30	0008	1566
2444		SLO	1I	5F	ZERO	1566	+16	9040	1658
2445	6	AUP	5B	8003	PROG POINT	1592	+10	0890	8003
2446	J0001	RAL	5F	LAST1	IS P PT 1	0501	+65	1658	0001
2447	J0002	LOD		FARNL	DEFINED	0502	+69	1905	1579
2448		STL	2HOLD	5F	DEFINE PP2	1905	+20	1054	1658
2449	J0003	RAL	2HOLD	5F	S DICT ENT	0503	+65	1054	1658
2450	2	STL	N		DIGIT 4	0869	+20	9020	1631
2451		SLO	8001		NONZERO	1631	+16	8001	1639
2452		SLT	0004		ADD	1639	+35	0004	1599
2453		AUP		8003	D TABLE	1599	+10	0852	8003
2454		RAM	D0000		ENTRY	0852	+67	0879	0984
2455		SLT	0007			0984	+35	0007	0551
2456		ALO	N			0551	+15	9020	1609
2457		SRT	0007	5F		1609	+30	0007	1658
2458	5	ROV		6F		1658	+47	0812	1614
2459		STL	INSTR			0812	+20	1053	0856
2460		RAU	MU			0856	+60	9009	1616

2461		BMI	TAU	3B	FINISHED	1616	+46	9031	1580
2462	6	LOD	INSTR		DATA ADDR	1614	+69	1053	0956
2463		SCT	0004		RESET	0956	+36	0004	1569
2464		SDA	INSTR		OVERFLOW	1569	+22	1053	1606
2465		RAU	MU			1606	+60	9009	1619
2466		SLT	0004			1619	+35	0004	0932
2467		AUP		8003		0932	+10	0836	8003
2468		RAU	00001		PROCESS OP	0836	+60	0900	1656
2469		STD	T0007	X0010	AND TAG	1656	+24	1056	1124
2470	IN3	LOD	TEST		NEXT	0800	+69	9017	1906
2471		BD3		1F	INSTRCTION	1906	+93	1659	0862
2472		SRT	0004	1F	IF PREV	1659	+30	0004	0862
2473	1180	RAU	D0009		OP	1180	+60	0888	0843
2474		SIA	ADTAG		NEGATIVE	0843	+23	1138	0893
2475		RSU	T0007	1181		0893	+61	1056	1181
2476	1181	STU	T0007	1F	TAG 2000	1181	+21	1056	0862
2477	1	ALO	INSTR		ON DRUM	0862	+15	1053	1610
2478		SUP	8003		AND 0200	1610	+11	8003	1582
2479		SLT	0002		ON CORE	1582	+35	0002	1640
2480		NZU		1F	ADDRESS	1640	+44	0943	0844
2481		ALO	0B	1F		0943	+15	0552	0844
2482	1	SRT	0002			0844	+30	0002	0801
2483		LOD	T0007			0801	+69	1056	1660
2484		SDA	N			1660	+22	9020	1632
2485		SIA	INSTR		GO TO	1632	+23	1053	1612
2486		LOD	7F	5PER	5 PER CARD	1612	+69	0960	0344
2487	7	RSL	K		ROUTINE	0960	+66	9007	1584
2488		STL	MU			1584	+20	9009	0993
2489		SLO	1D			0993	+16	9018	0851
2490		SDA	K		CHECK	0851	+22	9007	1662
2491		ALO	U		FOR	1662	+15	9030	1634
2492		BMI	J0001	00003	END	1634	+46	0501	0902
2493	00003	RAU	T0006	8B		0902	+60	1055	0788
2494	LAST1	STD	EXIT1		ENDING	0001	+24	9010	0936
2495		STL	EXIT2		SETS UP	0936	+20	9008	0894
2496		LOD	TEST		LINKAGES	0894	+69	9017	1600
2497		BD1		1F	FOR NEXT	1600	+91	1603	0986
2498		RAL	C0007	00020	STATEMENT	1603	+65	9006	0919
2499	00020	NZE		1F		0919	+45	1586	0986
2500		ALO	B0006		T000N	1586	+15	0873	1636
2501		STL	1HOLD		INTO 1HOLD	1636	+20	1567	0938
2502		SLO	B0006		S000N	0938	+16	0873	0988
2503		ALO	D0004	EXIT1	INTO 8002	0988	+15	0883	9010
2504	1	RAL	1HOLD			0986	+65	1567	1588
2505		NZE	EXIT2			1588	+45	9008	1593
2506		LOD		FARNL		1593	+69	0846	1579
2507		STL	1HOLD	EXIT2		0846	+20	1567	9008
2508	1								
2509	5PER	STD	COUNT		5 INSTR	0344	+24	9014	1650
2510		RAL	THETA		PER CARD	1650	+65	1653	1638
2511		BMI	7F	5PERB	PUNCH	1638	+46	1643	1993
2512	5PERB	ALO		8002	SUBROUTINE	1993	+15	0896	8002
2513		RAU	LOCUS	50001		0896	+60	1052	0994
2514	50005	SLT	0006	8F		0998	+35	0006	0944
2515	50004	SLT	0002	4F		0997	+35	0002	1903
2516	50003	SRT	0002	5F		0996	+30	0002	0804
2517	50002	SRT	0006	6F		0995	+30	0006	1594
2518	50001	RAL	8003	6F		0994	+65	8003	1594
2519	6	ALO	W0008	5F	STORE	1594	+15	9057	0804
2520	5	STL	W0008	4F	LOCATION	0804	+20	9057	1903

2521	4	AUP	W0007	8F		1903	+10	9056	0944	
2522	8	STU	W0007			0944	+21	9056	0951	
2523		RAL	THETA			0951	+65	1653	1644	
2524		SLO	1I			1644	+16	9040	1601	
2525		STL	THETA			1601	+20	1653	1994	
2526		SLT	0004			1994	+35	0004	1595	
2527		SLO	1F			1595	+16	0898	0854	
2528		LOD	INSTR	8002	STORE	0854	+69	1053	8002	
2529	1	STD	W0005	COUNT	INSTRCTION	0898	+24	9054	9014	
2530	7	RAL	5PERA	INCCC	PUNCH	1643	+65	0818	1626	
2531	5PERA	RAL	4I		INITIALIZE	0818	+65	0542	0947	
2532		STD	THETA	5PERB	THETA	0947	+24	1653	1993	
2533	1									
2534		END	STD	EXIT1	PUNCH ALL	0385	+24	9010	1645	
2535		RAL	H0005	00009	ABCONS	1645	+65	9024	0908	
2536	00009	LOD	D0005	1F	AND	0908	+69	0884	1995	
2537	1	STD	SERCH	00021	SUBROUTINE	1995	+24	0504	0920	
2538	00021	STL	MU		LINKAGES	0920	+20	9009	0946	
2539		NZE	00011	3F		0946	+45	0910	1651	
2540	00011	ALO		8002		0910	+15	1596	8002	
2541		LOD	A0000			1596	+69	0399	0952	
2542		STD	INSTR			0952	+24	1053	1646	
2543		RAL	MU			1646	+65	9009	0954	
2544		SRT	0004			0954	+30	0004	1996	
2545		ALO	SERCH			1996	+15	0504	1597	
2546		SLO	1I			1597	+16	9040	1647	
2547		SIA	LOCUS			1647	+23	1052	1997	
2548		LOD		5PER		1997	+69	1900	0344	
2549		RAL	MU			1900	+65	9009	0948	
2550		BMI		2F		0948	+46	1901	1602	
2551		ALO	1D	00021		1901	+15	9018	0920	
2552	2	SLO	1D	00021		1602	+16	9018	0920	
2553	3	BOV	1F			1651	+47	1604	1598	
2554		SCT	0001			1598	+36	0001	1648	
2555		RSL	PC			1648	+66	9028	1998	
2556		LOD	8018I	1B		1998	+69	0775	1995	
2557	1	RAL	00001	SD002	FILL	1604	+65	0900	1220	
2558	00001	RAL	THETA		LAST	0900	+65	1653	1649	
2559		BMI	00005	5PERB	CARD	1649	+46	0904	1993	
2560	00005	RAM	EXIT1	INCCC		0904	+67	9010	1626	
2561	1									
2562		LARMA	BOV	9500I	00007	HANG IF	0386	+47	1991	0906
2563		00007	HLT	1234	1234	STORAGE EX	0906	+01	1234	1234
2564	1									
2565		Z0007	RAL	IN300	OKAY	PUNCH	0968	+65	1842	0877
2566	5	Z0007	WR1	W0001	IN300		0968	+71	9050	1842
2567	1									
2568		11D	00	0011	0000		0544	+00	0011	0000
2569		1900I	00	0000	1900		0782	+00	0000	1900
2570		1998I	00	0000	1998		0534	+00	0000	1998
2571		4I	00	0000	0004		0542	+00	0000	0004
2572		50I	00	0000	0050		0512	+00	0000	0050
2573		8018I	08	0000	0018		0775	+08	0000	0018
2574		9000I	00	0000	9000		0907	+00	0000	9000
2575	1									
2576		B0001	88	8888	8888	B REGION	0868	+88	8888	8888
2577	5	B0001	88	8888	0001		0868	+88	8888	0001
2578		B0007	00	0100	0200	FOR FIRST	0874	+00	0100	0200
2579		B0008	03	0004	0005	CONTROL	0875	+03	0004	0005
2580		B0009	00	0000	0001	CARD	0876	+00	0000	0001

2581	1											
2582		D0006	00	0000	1850	P0	D	0885	+00	0000	1850	
2583		D0007	00	0000	1877	W0	TABLE	0886	+00	0000	1877	
2584		D0008	00	0000	8000	8000		0887	+00	0000	8000	
2585		- D0009	00	2000	1000	BASIC	PACK	0888	-00	2000	1000	
2586	1											
2587		Z0001	08	0000	9841	Z		0962	+08	0000	9841	
2588		Z0002	08	0000	9759	TABLE		0963	+08	0000	9759	
2589		Z0003	08	0000	9809	OF		0964	+08	0000	9809	
2590		Z0004	08	0000	9808	EXTENSIONS		0965	+08	0000	9808	
2591		Z0005	08	0000	9758	USED		0966	+08	0000	9758	
2592		Z0006	08	0000	9890	IN		0967	+08	0000	9890	
2593		Z0008	08	0000	9791	TYPE		0969	+08	0000	9791	
2594		Z0009	08	0000	9783	B		0970	+08	0000	9783	
2595		Z0010	08	0000	9790	PROCESSING		0971	+08	0000	9790	
2596		Z0012	ALF	EDIT	THINK			0973	+65	6469	8300	
2597		Z0013	10	0005	8002	ALO	0004	0974	+10	0005	8002	
2598		Z0014	09	0005	0000	SLT	0004	0975	+09	0005	0000	
2599		Z0015	19	0100	0000	NZE1F		0976	+19	0100	0000	
2600		Z0016	19	0000	0100	NZE	1F	0977	+19	0000	0100	
2601		Z0017	18	0100	0000	BMI1F		0978	+18	0100	0000	
2602		Z0018	10	0200	0000	ALO2F		0979	+10	0200	0000	
2603	1											
2604			PAL									
2605	0		BLA	1652	1652	AVAILABLE						
2606	0		BLA	1654	1654	AVAILABLE						
2607	1		SPLIT	AFTER	COMMON							
2608	1		DUPLICATE	293C	IN X Y							
2609	1		SPLIT	AFTER	00010X							
2610	1		SPLIT	AFTER	00014X							
2611	1		SPLIT	AFTER	00018X							
2612	1		SPLIT	AFTER	00024X							
2613	1		SPLIT	AFTER	X							
2614	1		DUPLICATE	293C	IN Y							
2615	1		SPLIT	AFTER	975Y							
2616	1		SPLIT	AFTER	1179Y							
2617	1		SPLIT	AFTER	Y							
2618	1		DUPLICATE	IN A	AND B							
2619	1		00010	00013								
2620	1		00014	00017	00018	00023						
2621	1		00024	00027	00028	00073						
2622	1		FROM	Y								
2623	1		SPLIT	AFTER	A							
2624	1		SPLIT	AFTER	B							
2625	1		LOAD	IN	ORDER A B X Y	COMMON						