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0001	* 0180 (SYMLIST)	DWG. 70181445000	REV. B	SYML0001
0002	*			SYML0002
0003	*			SYML0003
0004	*			SYML0004
0005	* COMPUTER: H316, DDP-516			SYML0005
0006	*			SYML0006
0007	*			SYML0007
0008	* CATEGORY: ASSEMBLY			SYML0008
0009	*			SYML0009
0010	*			SYML0010
0011	* PROGRAM TITLE: SYMLIST (D\$MAP)			SYML0011
0012	* SYMBOL TABLE MAP PRINTER FOR DAP-16M2			SYML0012
0013	*			SYML0013
0014	*			SYML0014
0015	*			SYML0015
0016	*			SYML0016
0017	*			SYML0017
0018	*			SYML0018
0019	*			SYML0019
0020	*			SYML0020
0021	*			SYML0021
0022	*			SYML0022
0023	*			SYML0023
0024		APPROVAL	DATE	SYML0024
0025	*			SYML0025
0026	*			SYML0026
0027	*			SYML0027
0028	*	PROG-----	-----	SYML0028
0029	*			SYML0029
0030	*			SYML0030
0031	*	SUPR-----	-----	SYML0031
0032	*			SYML0032
0033	*			SYML0033
0034	*	QUAL-- <i>M. R. Harrison</i> -----	<i>17 FEB 71</i> -----	SYML0034
0035	*			SYML0035
0036	*			SYML0036
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0038 EJCT SYML0038

0039	* REVISIONS:		SYML0039
0040	*		SYML0040
0041	* REV. B ECO		SYML0041
0042	* REV. A	05-04-70	SYML0042
0043	*		SYML0043
0044	*		SYML0044
0045	* AUTHOR		SYML0045
0046	*		SYML0046
0047	* HONEYWELL INC., COMPUTER CONTROL DIVISION		SYML0047
0048	*		SYML0048
0049	*		SYML0049
0050	* PURPOSE		SYML0050
0051	*		SYML0051
0052	*	TO PROVIDE AN ALPHABETICAL LISTING OF ALL SYMBOLS	SYML0052
0053	*	USED IN A SOURCE PROGRAM, WITH ASSEMBLED ADDRESS'S AND	SYML0053
0054	*	MODE LISTED FOR EACH SYMBOL.	SYML0054
0055	*		SYML0055
0056	*		SYML0056
0057	* RESTRICTIONS		SYML0057
0058	*		SYML0058
0059	*	THIS PROGRAM IS INTENDED FOR USE ONLY AS A	SYML0059
0060	*	COMPONENT OF A DAP-16M2 SYSTEM. IN ADDITION, IT	SYML0060
0061	*	IS NOT RECOMMENDED THAT THIS PROGRAM BE INCLUDED	SYML0061
0062	*	IN A 4K DAP-16M2 SYSTEM IN ORDER TO MAXIMIZE	SYML0062
0063	*	THE SYMBOL TABLE AREA.	SYML0063
0064	*	DO NOT USE EQUATES TO MAIN ASSEMBLER PROGRAM.	SYML0064
0065	*		SYML0065
0066	*		SYML0066
0067	* TIMING		SYML0067
0068	*		SYML0068
0069	*	THE SORT TIME IS APPROXIMATELY 250 SYMBOLS	SYML0069
0070	*	PER SECOND ON A DDP-516, AND 160 SYMBOLS PER	SYML0070
0071	*	SECOND ON AN H316.	SYML0071
0072	*		SYML0072
0073	*		SYML0073
0074	* STORAGE		SYML0074
0075	*		SYML0075

0076	* 422 (OCTAL)		SYML0076
0077	* 274 (DECIMAL)		SYML0077
0078	*		SYML0078
0079	*		SYML0079
0080	* USE		SYML0080
0081	*		SYML0081
0082	*	THIS PROGRAM WILL BE CALLED BY DAP-16M2 AT THE	SYML0082
0083	*	END OF EACH PASS. IF IT IS NOT THE OUTPUT PASS, OR	SYML0083
0084	*	IF BIT 4 IN THE A REGISTER PARAMETER SETTING WAS SET,	SYML0084
0085	*	THE SORT AND LISTING WILL NOT BE PERFORMED. IF LISTING	SYML0085
0086	*	OUTPUT IS SUPPRESSED, OR IF AN ERRORS ONLY LISTING IS	SYML0086
0087	*	SELECTED, THE SORT WILL BE PERFORMED, BUT THE MAP WILL	SYML0087
0088	*	NOT BE LISTED.	SYML0088
0089	*		SYML0089
0090	* LISTING FORMAT		SYML0090
0091	*		SYML0091
0092	*	FOUR SYMBOLS WILL BE LISTED PER LINE, WITH THE FOLLOWING	SYML0092
0093	*	INFORMATION APPEARING FOR EACH SYMBOL:	SYML0093
0094	*		SYML0094
0095	*	NNNNNN AAAAAAM	SYML0095
0096	*		SYML0096
0097	* WHERE:		SYML0097
0098	*	N - THE 1-6 CHARACTER SYMBOL NAME	SYML0098
0099	*	A - THE VALUE ASSIGNED TO THE SYMBOL	SYML0099
0100	*	BY THE ASSEMBLER	SYML0100
0101	*	M - A IF THE SYMBOL IS ABSOLUTE	SYML0101
0102	*	E IF THE SYMBOL IS EXTERNAL	SYML0102
0103	*	BLANK IF THE SYMBOL IS RELOCATABLE	SYML0103
0104	*		SYML0104
0105	*		SYML0105
0106	* METHOD		SYML0106
0107	*		SYML0107
0108	*	A RADIX SORT IS PERFORMED ON THE ENTRIES IN THE	SYML0108
0109	*	SYMBOL TABLE. EACH SYMBOL IS CONSIDERED TO HAVE SIX	SYML0109
0110	*	CHARACTERS, THE LAST TWO BEING SPACE CHARACTERS IF THE	SYML0110
0111	*	ENTRY IS NOT AN EXTERNAL SYMBOL NAME. THE SYMBOLS ARE	SYML0111
0112	*	SORTED IN NUMERICAL ORDER BY CHARACTER CODE, WITH THE	SYML0112

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0113 * CHARACTER CODE SET BEING THE INTERNAL DAP-16M2 ASCII SYML0113
0114 * SUBSET, FORMED BY SUBTRACTING *240 FROM THE 8 SYML0114
0115 * BIT CODE AND TRUNCATING THE RESULT TO 6 BITS. SYML0115
0116 * AFTER THE SORT HAS BEEN COMPLETED, THE SYMBOLS SYML0116
0117 * ARE FORMATTED FOUR PER LINE AND ARE OUTPUTED ON THE SYML0117
0118 * SELECTED LISTING DEVICE. SYML0118
0119 * SYML0119
0120 * SYML0120
0121 * SYML0121
EJCT *****SYML0121
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0122 * SYML0122
0123 * SYML0123
0124 SUBR D$MAP,MAP SYML0124
0125 REL SYML0125
0126 EXT LSTD LIST ROUTINE POINTER SYML0126
0127 EXT CSRD CHARACTER INSERTION ROUTINE POINTER SYML0127
0128 EXT OPTD OCTAL TO ASCII ROUTINE POINTER SYML0128
0129 EXT UPAK CHARACTER UNPACKING ROUTINE SYML0129
0130 EXT ZP PASS INDICATOR AND PARAMETER FLAGS SYML0130
0131 EXT D$TP HIGH SYMBOL TABLE LOCATION SYML0131
0132 EXT BSYM BASE OF SYMBOL TABLE SYML0132
0133 EXT CSYM COUNT OF ENTRIES IN SYMBOL TABLE SYML0133
0134 EXT TAB1 37 WORD BUFFER FOR POINTER STORAGE SYML0134
0135 EXT TAB2 DITTO SYML0135
0136 EXT T136 SYML0136
0137 EXT T137 SYML0137
0138 EXT T236 SYML0138
0139 EXT T237 SYML0139
0140 * SYML0140
0141 * SYML0141
0142 00000 0 000000 MAP DAC ** SYML0142
0143 00001 0 02 00000 LDA CSYM SYML0143
0144 00002 101040 SNZ SYML0144
0145 00003 -0 01 00000 JMP* MAP SYML0145
0146 00004 0 02 00000 LDA ZP SYML0146
0147 00005 100400 SPL SYML0147
0148 00006 -0 01 00000 JMP* MAP SYML0148
0149 00007 0414 75 LGL 3 SYML0149
0150 00010 100400 SPL SYML0150
0151 00011 -0 01 00000 JMP* MAP SYML0151
0152 00012 0 02 00000 LDA BSYM SYML0152
0153 00013 0 04 00000 STA TAB1 SYML0153
0154 00014 0 02 00000 LDA D$TP SYML0154
0155 00015 0 04 00000 STA TAB2 SYML0155
0156 00016 0 35 00376 LDX M36 SYML0156
0157 * SYML0157
0158 00017 1 02 00000 SRT7 LDA T236,1 SYML0158
SET TAB2 = HIGH + 1 OF
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0159	00020	0 04 00373	STA	PIC2	SECTION BEING SORTED	SYML0159
0160	00021	1 07 00000	SUB	T136.1	TEST FOR NULL OR UNIT	SYML0160
0161	00022	0 07 00037	SUB	Q4	BLOCK SIZE	SYML0161
0162	00023	100400	SPL		SKIP IF NOT	SYML0162
0163	00024	0 01 00065	JMP	SRT6	YES - NO SORT REQUIRED	SYML0163
0164	00025	1 02 00000	LDA	T136.1	LOW LOCATION OF CURRENT BLOCK	SYML0164
0165	00026	0 04 00372	SRT1 STA	PIC1	SET ADDRESS OF CURRENT ENTRY	SYML0165
0166	00027	0 10 00204	JST	LCHK		SYML0166
0167	00030	0 01 00034	JMP	SRT4		SYML0167
0168	00031	0 10 00127	JST	GBIT	FETCH CURRENT SIGNIFICANT BIT	SYML0168
0169	00032	100040	SZE		IF SET, START REVERSE SCAN	SYML0169
0170	00033	0 01 00050	JMP	SRT2		SYML0170
0171	00034	0 02 00372	SRT4 LDA	PIC1	STEP TO NEXT ENTRY	SYML0171
0172	00035	0 06 00377	ADD	Q3		SYML0172
0173	00036	0 11 00373	CAS	PIC2	TEST FOR END OF BLOCK	SYML0173
0174	00037	000004	Q4 OCT	4	NEVER CAN GET HERE (FAMOUS LAST WORDS***)	SYML0174
0175	00040	0 01 00055	JMP	SRT5	END OF BLOCK	SYML0175
0176	00041	0 01 00026	JMP	SRT1	MORE SYMBOLS TO CONSIDER	SYML0176
0177			*			SYML0177
0178	00042	0 04 00373	SRT3 STA	PIC2	PIC2 & ADDRESS OF COMPLEMENT ENTRY	SYML0178
0179	00043	0 10 00204	JST	LCHK		SYML0179
0180	00044	0 01 00050	JMP	SRT2		SYML0180
0181	00045	0 10 00127	JST	GBIT	FETCH CURRENT BIT FROM THIS ENTRY	SYML0181
0182	00046	101040	SNZ		SKIP IF SET	SYML0182
0183	00047	0 01 00105	JMP	SWAP	INTERCHANGE THIS ENTRY WITH A LOWER ENTRY	SYML0183
0184	00050	0 02 00373	SRT2 LDA	PIC2	TRY NEXT LOWEST ENTRY	SYML0184
0185	00051	0 07 00377	SUB	Q3		SYML0185
0186	00052	0 11 00372	CAS	PIC1	TEST FOR CONVERGENCE	SYML0186
0187	00053	0 01 00042	JMP	SRT3	NO - TEST THIS ENTRY	SYML0187
0188	00054	0 04 00373	STA	PIC2	YES - UPDATE POINTER ADDRESS	SYML0188
0189	00055	0 02 00373	SRT5 LDA	PIC2	DROP BLOCK POINTERS INTO BUFFERS	SYML0189
0190	00056	1 04 00000	STA	T237.1		SYML0190
0191	00057	1 13 00000	IMA	T136.1		SYML0191
0192	00060	1 04 00000	STA	T137.1		SYML0192
0193	00061	0 12 00000	IRS	0	INCREMENT BIT COUNTER	SYML0193
0194	00062	0 01 00017	JMP	SRT7	GO SORT ON NEXT BIT	SYML0194
0195	00063	0 02 00402	LDA	MQ1	SEARCH FOR AN UNSORTED BLOCK	SYML0195

0196	00064	100000	SKP			SYML0196
0197	00065	0 02 00000	SRT6 LDA	0	DECREMENT SEARCH POINTER	SYML0197
0198	00066	0 07 00401	SUB	Q1		SYML0198
0199	00067	0 04 00000	STA	0	REPLACE POINTER	SYML0199
0200	00070	0 07 00376	SUB	M36	TEST FOR COMPLETION OF SORT	SYML0200
0201	00071	100400	SPL		SKIP IF NOT	SYML0201
0202	00072	0 01 00216	JMP	DUMP	SORT COMPLETE - PRINT THE TABLE	SYML0202
0203	00073	1 02 00000	LDA	T136.1	FETCH BLOCK POINTER	SYML0203
0204	00074	100400	SPL		SKIP IF UNSORTED	SYML0204
0205	00075	0 01 00065	JMP	SRT6	SORTED - CONTINUE DOWNWARD SCAN	SYML0205
0206	00076	1 04 00000	STA	T137.1	SET	SYML0206
0207	00077	140500	SSM		MARK IT AS SORTED	SYML0207
0208	00100	1 04 00000	STA	T136.1	AND DROP IT IN BUFFER	SYML0208
0209	00101	1 02 00000	LDA	T236.1		SYML0209
0210	00102	1 04 00000	STA	T237.1		SYML0210
0211	00103	0 12 00000	IRS	0	SET BIT INDICATOR	SYML0211
0212	00104	0 01 00017	JMP	SRT7	GO SORT THE BLOCK	SYML0212
0213			*			SYML0213
0214	00105	0 02 00372	SWAP LDA	PIC1	HERE TO INTERCHANGE SYMBOL TABLE ENTRIES	SYML0214
0215	00106	141206	AOA			SYML0215
0216	00107	0 04 00374	STA	PIC3		SYML0216
0217	00110	0 02 00373	LDA	PIC2		SYML0217
0218	00111	141206	AOA			SYML0218
0219	00112	0 04 00375	STA	PIC4		SYML0219
0220	00113	-0 02 00372	LDA*	PIC1	SWAP FIRST TWO WORDS	SYML0220
0221	00114	-0 13 00373	IMA*	PIC2		SYML0221
0222	00115	-0 04 00372	STA*	PIC1		SYML0222
0223	00116	-0 02 00374	LDA*	PIC3	SWAP NEXT TWO WORDS	SYML0223
0224	00117	-0 13 00375	IMA*	PIC4		SYML0224
0225	00120	-0 04 00374	STA*	PIC3		SYML0225
0226	00121	0 12 00374	IRS	PIC3	BUMP POINTER	SYML0226
0227	00122	0 12 00375	IRS	PIC4		SYML0227
0228	00123	-0 02 00374	LDA*	PIC3	SWAP LAST TWO WORDS	SYML0228
0229	00124	-0 13 00375	IMA*	PIC4		SYML0229
0230	00125	-0 04 00374	STA*	PIC3		SYML0230
0231	00126	0 01 00034	JMP	SRT4	CONTINUE SCAN	SYML0231
0232	00127	0 000000	GBIT DAC	**	BIT FETCHING ROUTINE	SYML0232

Table with columns for address, flags, codes, mnemonics, operands, descriptions, and symbols. Includes instructions like STA, LDA, and JMP with their respective parameters and comments.

Table with columns for address, flags, codes, mnemonics, operands, descriptions, and symbols. Includes instructions like GXIT, LCHK, and EJCT with their respective parameters and comments.

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0292
0293 *
0294 *   HERE TO LIST TABLE
0295 00216 -0 10 00000 DUMP JST* LSTD          PRINT A BLANK LINE
0296 00217 0 35 00000 LDX  BSYM          X & TABLE POINT
0297 00220 0 02 00000 LDA  CSYM          GET TABLE POINT
0298 00221 0 04 00372 STA  PIC1          GET TABLE COUNTER
0299 00222 0 02 00413 LINE LDA  =-4          SET FOR 4 SYMBOLS/LINE
0300 00223 0 04 00373 STA  PIC2
0301 00224 0 02 00412 LDA  =4          SET FOR
0302 00225 0 04 00363 STA  CAL1         ARGUMENTS
0303 00226 0 02 00367 LDA  LCN1         GET CALLING
0304 00227 0 04 00303 STA  CAL2         SEQUENCES
0305 00230 0 02 00370 LDA  LCN2         TO LISTING
0306 00231 0 04 00307 STA  CAL3         INSERTION
0307 00232 0 02 00411 LDA  =17        ROUTINES
0308 00233 0 04 00312 STA  CAL4
0309 00234 1 02 00000 SYMP LDA  0.1          FETCH FIRST WORD OF CURRENT ENTRY
0310 00235 101040 SNZ
0311 00236 0 01 00341 JMP  NULL        NULL ENTRY
0312 00237 0414 75 LGL  3          TEST FOR EXTERNAL NAME
0313 00240 100400 SPL          SKIP IF NOT
0314 00241 140040 CRA
0315 00242 0 04 00371 STA  EXTF        SET EXTERNAL/NONEXTERNAL FLAG
0316 00243 0 02 00000 LDA  0          TEST FOR LITERAL ENTRY
0317 00244 0 10 00204 JST  LCHK
0318 00245 0 01 00341 JMP  NULL
0319 00246 1 02 00000 LDA  0.1        LIST FIRST 2 CHAR. OF SYMBOL NAME
0320 00247 -0 10 00000 JST* UPAK
0321 00250 0 10 00352 JST  W2CH
0322 00251 1 02 00001 LDA  1.1        LIST SECOND 2 CHAR. OF SYMBOL NAME
0323 00252 -0 10 00000 JST* UPAK
0324 00253 0 10 00352 JST  W2CH
0325 00254 0 02 00371 LDA  EXTF        SEE IF IT IS AN EXTERNAL ENTRY
0326 00255 101040 SNZ
0327 00256 0 01 00272 JMP  EREF        YES.....HANDLE IT DIFFERENTLY
0328 00257 1 02 00001 LDA  1.1        GET RELOCATION FLAG

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0329 00260 0414 76 LGL  2
0330 00261 140040 CRA
0331 00262 101001 SSC
0332 00263 0 02 00410 LDA  =*41        SKIP IF REL
0333 00264 0 06 00407 ADD  =*240        'A' - ' '
0334 00265 0 04 00374 STA  PIC3        'A' OR ' '
0335 00266 0 02 00406 LDA  =*120240      SET RELOCATION FLAG
0336 00267 0 10 00352 JST  W2CH        5TH AND 6TH CHAR. ARE BLANKS
0337 00270 1 02 00002 LDA  2.1
0338 00271 0 01 00300 JMP  VALU        GET ADDRESS
0339 00272 1 02 00002 EREF LDA  2.1        AND GO FINISH UP
0340 00273 -0 10 00000 JST* UPAK        PRINT LAST TWO CHAR. OF NAME
0341 00274 0 10 00352 JST  W2CH
0342 00275 0 02 00405 LDA  =*305
0343 00276 0 04 00374 STA  PIC3        SET 'E' FLAG
0344 00277 140040 CRA
0345 00300 0 04 00371 VALU STA  EXTF        ADDRESS OF 0
0346 00301 0404 76 LGR  2          PRINT SYMBOL VALUE
0347 00302 -0 10 00000 JST* OPTD
0348 00303 0 00 00000 CAL2 ***
0349 00304 0 02 00371 LDA  EXTF
0350 00305 0414 77 LGL  1
0351 00306 -0 10 00000 JST* OPTD
0352 00307 0 00 00000 CAL3 ***
0353 00310 0 02 00374 LDA  PIC3        GET SYMBOL MODE FLAG
0354 00311 -0 10 00000 JST* CSRD        LOG IT
0355 00312 0 00 00000 CAL4 ***
0356 00313 0 02 00363 LDA  CAL1        UPDATE
0357 00314 0 06 00404 ADD  =11         LISTING
0358 00315 0 04 00363 STA  CAL1        COLUMN
0359 00316 0 02 00303 LDA  CAL2        POINTERS
0360 00317 0 06 00411 ADD  =17
0361 00320 0 04 00303 STA  CAL2
0362 00321 0 02 00307 LDA  CAL3
0363 00322 0 06 00411 ADD  =17
0364 00323 0 04 00307 STA  CAL3
0365 00324 0 02 00312 LDA  CAL4

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0366	00325	0 06 00411	ADD	=17			
0367	00326	0 04 00312	STA	CAL4	*		SYML0366
0368	00327	0 02 00000	NLRT	LDA	0		SYML0367
0369	00330	0 06 00416	ADD	=3	*		SYML0368
0370	00331	0 04 00000	STA	0			SYML0369
0371	00332	0 12 00372	IRS	PIC1			SYML0370
0372	00333	100000	SKP			BUMP THE COUNTER	SYML0371
0373	00334	0 01 00345	JMP	END		MAP COMPLETE	SYML0372
0374	00335	0 12 00373	IRS	PIC2		BUMP SYMBOL/LINE COUNTER	SYML0373
0375	00336	0 01 00234	JMP	SYMP		ROOM FOR ANOTHER ON THIS LINE	SYML0374
0376	00337	-0 10 00000	JST*	LSTD		LIST THIS LINE	SYML0375
0377	00340	0 01 00222	JMP	LINE		START NEW LINE	SYML0376
0378	00341	0 02 00373	NULL	LDA	PIC2	DECREMENT SYMBOL/LINE COUNTER	SYML0377
0379	00342	0 07 00417	SUB	=1			SYML0378
0380	00343	0 04 00373	STA	PIC2			SYML0379
0381	00344	0 01 00327	JMP	NLRT		GO LOOK AT NEXT SYMBOL	SYML0380
0382	00345	0 02 00373	END	LDA	PIC2	SEE IF ANY DANGLING SYMBOLS	SYML0381
0383	00346	0 06 00412	ADD	=4			SYML0382
0384	00347	100040	SZE			NO	SYML0383
0385	00350	-0 10 00000	JST*	LSTD		LIST PARTIAL LINE	SYML0384
0386	00351	-0 01 00000	JMP*	MAP		EXIT	SYML0385
0387	00352	0 000000	W2CH	DAC	**		SYML0386
0388	00353	0 04 00366	STA	TEMP		SAVE CHARACTER PAIR	SYML0387
0389	00354	141340	ICA			POSITION	SYML0388
0390	00355	0 10 00361	JST	CSRT		AND LIST FIRST CHARACTER	SYML0389
0391	00356	0 02 00366	LDA	TEMP		LIST THE SECOND CHARACTER	SYML0390
0392	00357	0 10 00361	JST	CSRT			SYML0391
0393	00360	-0 01 00352	JMP*	W2CH		RETURN	SYML0392
0394	00361	0 000000	CSRT	DAC	**		SYML0393
0395	00362	-0 10 00000	JST*	CSRD			SYML0394
0396	00363	0 00 00000	CAL1	***			SYML0395
0397	00364	0 12 00363	IRS	*-1			SYML0396
0398	00365	-0 01 00361	JMP*	CSRT			SYML0397
0399	00366		TEMP	BSS	1		SYML0398
0400	00367	000413	LCN1	HEX	10B		SYML0399
0401	00370	002414	LCN2	HEX	50C		SYML0400
0402	00371		EXTF	BSS	1		SYML0401
							SYML0402

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0403	00372		PIC1	BSS	1		
0404	00373		PIC2	BSS	1		SYML0403
0405	00374		PIC3	BSS	1		SYML0404
0406	00375		PIC4	BSS	1		SYML0405
0407	00376	177734	M36	DEC	-36		SYML0406
0408	00377	000003	Q3	OCT	3		SYML0407
0409	00400	100000	BIT	OCT	100000		SYML0408
0410	00401	000001	Q1	OCT	1		SYML0409
0411	00402	177777	MQ1	OCT	177777		SYML0410
0412	00403	136100	ALR	OCT	136100		SYML0411
0413	00404	000013		FIN		LITERAL CONSTANTS	SYML0412
	00405	000305					SYML0413
	00406	120240					
	00407	000240					
	00410	000041					
	00411	000021					
	00412	000004					
	00413	177774					
	00414	007700					
	00415	000077					
	00416	000003					
	00417	000001					
	00420	000014					
	00421	000044					
0414			END				SYML0414
ALR	000403	ALRX	000173	BIT	000400	BSYM	000000E
CAL1	000363	CAL2	000303	CAL3	000307	CAL4	000312
CSRD	000000E	CSRT	000361	CSYM	000000E	D\$TP	000000E
DUMP	000216	END	000345	EREF	000272	EXTF	000371
GBIT	000127	GFBT	000161	GXIT	000175	GXTR	000177
LCHK	000204	LCN1	000367	LCN2	000370	LINE	000222
LSTD	000000E	M36	000376	MAP	000000	MQ1	000402
NLRT	000327	NULL	000341	OPTD	000000E	PIC1	000372
PIC2	000373	PIC3	000374	PIC4	000375	Q1	000401
Q3	000377	Q4	000037	SRT1	000026	SRT2	000050

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SRT3	000042	SRT4	000034	SRT5	000055	SRT6	000065
SRT7	000017	SWAP	000105	SYMP	000234	T136	000000E
T137	000000E	T236	000000E	T237	000000E	TAB1	000000E
TAB2	000000E	TEMP	000366	UPAK	000000E	VALU	000300
W2CH	000352	ZP	000000E				

0000 WARNING OR ERROR FLAGS
\$DA 41285326-002-03 8.1,71 JDC