



```

LL      RRRRRRRR  PPPPPPPP  TTTTTTTTTT  AAAAAA  BBBB8888
LL      RRRRRRRR  PPPPPPPP  TTTTTTTTTT  AAAAAA  BBBB8888
LL      RR        RR  PP        PP  TT        AA        AA  BB        BB
LL      RR        RR  PP        PP  TT        AA        AA  BB        BB
LL      RR        RR  PP        PP  TT        AA        AA  BB        BB
LL      RR        RR  PP        PP  TT        AA        AA  BB        BB
LL      RRRRRRRR  PPPPPPPP  TT        AA        AA  BBBB8888
LL      RRRRRRRR  PPPPPPPP  TT        AA        AA  BBBB8888
LL      RR  RR    PP        TT        AAAAAAAAAA  BB        BB
LL      RR  RR    PP        TT        AAAAAAAAAA  BB        BB
LL      RR  RR    PP        TT        AA        AA  BB        BB
LL      RR  RR    PP        TT        AA        AA  BB        BB
LL      RR  RR    PP        TT        AA        AA  BB        BB
LLLLLLLLLLLL  RR        RR  PP        TT        AA        AA  BBBB8888
LLLLLLLLLLLL  RR        RR  PP        TT        AA        AA  BBBB8888

```

```

LL      IIIIII  SSSSSSSS
LL      IIIIII  SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLLLL  IIIIII  SSSSSSSS

```

MAC  
Sym

REG  
REP  
REP  
RFH  
RFH  
RFH  
RFH  
RFH  
RGL  
SBT  
SET  
SGN  
SGN  
STA  
STA  
STO  
TIT  
VEC  
VEC  
VEC  
WAR  
WEA  
WOR  
XFE

PSE

MAC

Pha

---

Ini

Com

Pas

Sym

Pas

Sym

Pse

Crc

Ass

The

177

The

358

0 p

(2)	47	State Table	Current token is compared to each state below.
(3)	132	Action Table	Next action the parser should perform.
(4)	212	Pop Table	Number of arguments to pop from parser stack.
(5)	241	LHS Table	Left Hand Side of the statement.
(6)	270	Semantic Action	Dispatch table to semantic action routines.

```
0000 1      .title mac$lrptab      VAX-11 Macro-32 Assembler Grammar Tables
0000 2      .ident 'V04-000'
0000 3
0000 4      :*****
0000 5      :*
0000 6      :*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0000 7      :*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
0000 8      :*  ALL RIGHTS RESERVED.
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0000 12     :*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER
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0000 19     :*  CORPORATION.
0000 20     :*
0000 21     :*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0000 22     :*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 23     :*
0000 24     :*
0000 25     :*****
0000 26
0000 27     ++
0000 28
0000 29     Facility:
0000 30
0000 31         VAX-11 Macro Assembler
0000 32
0000 33     Abstract:
0000 34
0000 35         This module contains the grammar parsing tables for the VAX-11 Macro
0000 36         assembler.
0000 37
0000 38     Environment:
0000 39
0000 40         Native Mode, User Mode
0000 41
0000 42
0000 43     Creation Date: April, 1983      Michael T. Rhodes
0000 44
0000 45     --
```

```

0000 47      .sbttl State Table      Current token is compared to each state below.
0000 48
00000000 49      .psect mac$parse_table, noexe, gbl, nowrt, long
0000 50      .align long
0000 51
00000000 52      null=0
00000000 53      mtxt1=null
00000000 54      mtxt2=null
0000 55
0000 56      pat$ab_symlst::
0000 57      .byte 135,-
57 56 98 97 4C 4B 4A 49 48 50 92 0C 000C 58      136, 11, 1, 137, 138, 139, 13, 140, 141, 142, 143, 12,-
63 52 51 60 54 99 58 67 68 66 62 61 0018 59      146, 80, 72, 73, 74, 75, 76, 151, 152, 86, 87, 97,-
4E 4F 53 76 77 9A 59 6A 69 6B 65 64 0024 60      98, 102, 104, 103, 88, 89, 153, 84, 96, 81, 82, 99,-
94 85 5B 5C 7A 79 A0 7B 9F 9E 9D 9C 0030 61      101, 107, 105, 106, 89, 154, 119, 118, 83, 79, 78, 100,-
82 81 39 3B 36 A5 A4 A2 12 0E 96 95 003C 62      157, 158, 159, 123, 160, 121, 122, 92, 91, 133, 148, 149,-
72 71 74 4D 6C 5D 5E 55 5A A1 A8 A6 0048 63      150, 14, 18, 162, 164, 165, 54, 59, 57, 129, 130, 166,-
7C 3C 38 47 46 75 84 70 6F 6E 6D 73 0054 64      168, 161, 90, 85, 94, 93, 108, 77, 116, 113, 114, 115,-
44 43 42 41 40 3F 83 3D AC AA 3E 7D 0060 65      109, 110, 111, 112, 132, 117, 70, 71, 56, 60, 124, 125,-
88 0A FD 37 33 78 35 34 80 7F 7E 45 006C 66      62, 170, 172, 61, 131, 63, 64, 65, 66, 67, 68, 69,-
91 04 90 0B FD 03 0B FC 88 0B FC 0B 0078 67      126, 127, 128, 52, 53, 120, 51, 55, -3, 10, 136, 11,-
21 2C B9 1A 20 B8 17 02 B7 31 2F B6 0084 68      -4, 11, 136, -4, 11, 3, -3, 11, 144, 4, 145, 182,-
B1 22 12 0C B0 A7 AE 30 2E 2B 93 2D 0090 69      47, 49, 183, 2, 23, 184, 32, 26, 185, 44, 33, 45,-
29 B3 28 23 27 24 26 2A 19 25 15 B2 009C 70      147, 43, 46, 48, 174, 167, 176, 12, 18, 34, 177, 178,-
FD 31 FD 13 FC 03 91 FD 03 0F 0B FD 00A8 71      21, 37, 25, 42, 38, 36, 39, 35, 40, 179, 41, -3,-
B1 22 12 0C B0 A7 AE 93 FD 21 FD 14 00B4 72      11, 15, 3, -3, 145, 3, -4, 19, -3, 49, -3, 20,-
1D 1C 1B 1A 19 AF FC 1A 19 25 15 B2 00C0 73      -3, 33, -3, 147, 174, 167, 176, 12, 18, 34, 177, 178,-
B1 22 12 0C 05 A7 FC AE FD 20 1F 1E 00CC 74      21, 37, 25, 26, -4, 175, 25, 26, 27, 28, 29, 30,-
FC 15 B2 B1 22 12 0C 05 A7 FC AE FD 20 1F 1E 00D8 75      31, 32, -3, 174, -4, 167, 18, 34, 177, 178,-
1F 1E 1D 1C 1B 1A 19 AF 05 16 FC 93 00E4 76      21, -4, 167, 5, 12, 18, 34, 177, 178,-
16 FC B5 16 B4 FD 32 31 B5 15 FD 20 00F0 77      -3, 21, 181, -4, 49, 50, -3, 180, 22, 181, -4, 22, 15,-
FD 19 FD 01 18 FD 01 31 FC B5 FD 0F 00FC 78      -3, 181, -4, 49, 1, -3, 24, 1, -3, 25, -3, 184,-
31 FC 30 2E 2B 93 2D 21 31 B9 17 B8 0108 79      23, 185, 49, 33, 45, 147, 43, 46, 48, -4, 49, -3,-
1C 1B 1A 19 AF FC 93 FD 19 FD 18 FD 0114 80      24, -3, 25, -3, 147, -4, 175, 25, 26, 27, 28, 29,-
1A 19 AF FC 93 FD 21 FD 20 1F 1E 1D 0120 81      30, 31, 32, -3, 33, -3, 147, -4, 175, 25, 26, 27,-
1B 1A 19 AF 17 FD 20 1F 1E 1D 1C 1B 012C 82      28, 29, 30, 31, 32, -3, 23, 175, 25, 26, 27, 28,-
FC 93 FD 18 FD 31 FD 20 1F 1E 1D 1C 0138 83      29, 30, 31, 32, -3, 49, -3, 24, -3, 147, -4, 23,-
31 FD 20 1F 1E 1D 1C 1B 1A 19 AF 17 0144 84      175, 25, 26, 27, 28, 29, 30, 31, 32, -3, 49, -3,-
1D 1C 1B 1A 19 AF 17 FC 93 FD 18 FD 0150 85      24, -3, 147, -4, 23, 175, 25, 26, 27, 28, 29, 30,-
AF 17 FC 93 FD 18 FD 31 FD 20 1F 1E 015C 86      31, 32, -3, 49, -3, 24, -3, 147, -4, 23, 175, 25,-
18 FD 31 FD 20 1F 1E 1D 1C 1B 1A 19 0168 87      26, 27, 28, 29, 30, 31, 32, -3, 49, -3, 24, -3,-
1A 19 AF FC 93 FD 18 FD 31 FD 17 FD 0174 88      23, -3, 49, -3, 24, -3, 147, -4, 175, 25, 26, 27,-
FD 10 FD 11 10 FD 20 1F 1E 1D 1C 1B 0180 89      28, 29, 30, 31, 32, -3, 16, 17, -3, 16, -3, 15,-
OF FD 02 0F 0C FC 0B FC 02 93 FD 11 018C 90      -3, 147, 2, -4, 11, -4, 11, -4, 12, 15, 2, -3, 15, 147,-
1E 1D 1C 1B 1A 19 AF FC 93 FC 02 93 0198 91      2, -4, 147, 25, 26, 27, 28, 29, 30, 31, 32, -3, 30, 31,-
20 1F 1E 1D 1C 1B 1A 19 AF FC 93 FD 20 1F 01A4 92      32, -3, 175, 25, 26, 27, 28, 29, 30, 31, 32, -3,-
20 1F 1E 1D 1C 1B 1A 19 AF FC 93 FD 01B0 93      147, -4, 175, 25, 26, 27, 28, 29, 30, 31, 32, -3,-
15 B2 B1 22 12 0C B0 A7 AE 93 0F FD 01BC 94      15, 147, 174, 167, 176, 12, 18, 34, 177, 178, 21, 37,-
FD 29 B3 28 23 27 24 26 2A 1A 19 25 01C8 95      25, 26, 42, 38, 36, 39, 35, 40, 179, 41, -3, 147,-
FD 20 1F 1E 1D 1C 1B 1A 19 AF FC 93 01D4 96      -4, 175, 25, 26, 27, 28, 29, 30, 31, 32, -3, 175,-
FD 0C FD 20 1F 1E 1D 1C 1B 1A 19 AF 01E0 97      25, 26, 27, 28, 29, 30, 31, 32, -3, 12, -3, 12,-
B2 B1 22 12 0C B0 A7 AE 93 0F FD 0C 01EC 98      -3, 15, 147, 174, 167, 176, 12, 18, 34, 177, 178, 21,-
29 B3 28 23 27 24 26 2A 1A 19 25 15 01F8 99      37, 25, 26, 42, 38, 36, 39, 35, 40, 179, 41, -3,-
20 1F 1E 1D 1C 1B 1A 19 AF FC 93 FD 0204 100      147, -4, 175, 25, 26, 27, 28, 29, 30, 31, 32, -3,-
9B FD 20 1F 1E 1D 1C 1B 1A 19 AF FD 0210 101      175, 25, 26, 27, 28, 29, 30, 31, 32, -3, 155, 12,-
AF FC 02 93 FD 0C FD 0C 021C 102      -3, 15, -3, 12, -3, 12, 2, -4, 175, 25,-

```

2F	B6	91	FD	20	1F	1E	1D	1C	1B	1A	19	0228	104	26,	27,	28,	29,	30,	31,	32,	-3,	145,	182,	47,	49,-	
93	2D	21	2C	B9	1A	20	B8	17	02	B7	31	0234	105	183,	2,	23,	184,	32,	26,	185,	44,	33,	45,	147,	43,-	
15	B2	B1	22	12	0C	B0	A7	AE	30	2E	2B	0240	106	46,	48,	174,	167,	176,	12,	18,	34,	177,	178,	21,	37,-	
93	FD	29	B3	28	23	27	24	26	2A	19	25	024C	107	25,	42,	38,	36,	39,	35,	40,	179,	41,	-3,	147,	174,-	
1A	19	25	15	B2	B1	22	12	0C	B0	A7	AE	0258	108	167,	176,	12,	18,	34,	177,	178,	21,	37,	25,	26,	42,-	
1A	19	AF	FD	29	33	28	28	27	24	26	2A	0264	109	38,	36,	39,	35,	40,	179,	179,	-3,	175,	25,	26,	27,-	
FD	02	0C	FC	93	0B	FC	02	0F	FC	02	93	0270	110	28,	29,	30,	31,	32,	-3,	145,	-4,	12,	2,	-3,	147,-	
1A	19	AF	FC	93	0B	FC	02	0F	FC	02	93	027C	111	2,	-4,	15,	2,	-4,	11,	147,	-4,	175,	25,	26,	27,-	
OF	93	FD	02	0B	FD	20	1F	1E	1D	1C	1B	0288	112	28,	29,	30,	31,	32,	-3,	11,	2,	-3,	147,	15,	2,-	
B0	A7	AE	93	A9	A3	FD	11	FC	0F	FC	02	0294	113	-4,	15,	-4,	17,	-3,	163,	169,	147,	174,	167,	176,	12,-	
24	26	2A	1A	19	25	15	B2	B1	22	12	0C	02A0	114	18,	34,	177,	178,	21,	37,	25,	26,	42,	38,	36,	39,-	
FC	04	93	FD	04	0F	FD	29	B3	28	23	27	02AC	115	35,	40,	179,	41,	-3,	15,	4,	-3,	147,	4,	-4,	175,-	
FD	13	FD	20	1F	1E	1D	1C	1B	1A	19	AF	02B8	116	25,	26,	27,	28,	29,	30,	31,	32,	-3,	19,	-3,	147,-	
1E	1D	1C	1B	1A	19	AF	FC	06	14	FC	93	02C4	117	-4,	20,	6,	-4,	175,	25,	26,	27,	28,	29,	30,	31,-	
26	2A	15	B2	B1	22	12	0C	A7	FD	20	1F	02D0	118	32,	-3,	167,	12,	18,	34,	177,	178,	21,	42,	38,	36,-	
B1	22	12	0C	A7	FD	29	B3	28	23	27	24	02DC	119	39,	35,	40,	179,	41,	-3,	167,	12,	18,	34,	177,	178,-	
93	FD	29	B3	28	23	27	24	26	2A	15	B2	02E8	120	21,	42,	38,	36,	39,	35,	40,	179,	41,	-3,	147,	2,-	
19	25	15	B2	B1	22	12	0C	B0	A7	AE	02	02F4	121	174,	167,	176,	12,	18,	34,	177,	178,	21,	37,	25,	26,-	
19	AF	FD	29	B3	28	23	27	24	26	2A	1A	0300	122	42,	38,	36,	39,	35,	40,	179,	41,	-3,	175,	25,	26,-	
FD	0F	FD	0C	FC	16	93	FD	20	1F	1E	1D	030C	123	27,	28,	29,	30,	31,	32,	-3,	12,	-3,	15,	-3,	171,-	
FC	06	16	FC	16	93	FD	06	15	FD	15	AB	0318	124	21,	-3,	21,	6,	-3,	147,	22,	-4,	22,	6,	-4,	147,-	
OC	B0	A7	AE	93	AD	FC	06	16	FC	16	93	0324	125	22,	-4,	22,	6,	-4,	173,	147,	174,	167,	176,	12,	18,-	
27	24	26	2A	1A	19	25	15	B2	B1	22	12	0330	126	34,	177,	178,	21,	37,	25,	26,	42,	38,	36,	39,	35,-	
AF	FC	04	93	FD	04	0F	FD	29	B3	28	23	033C	127	40,	179,	41,	-3,	15,	4,	-3,	147,	4,	-4,	175,	25,-	
1A	19	AF	FD	20	1F	1E	1D	1C	1B	1A	19	0348	128	26,	27,	28,	29,	30,	31,	32,	-3,	175,	25,	26,	27,-	
				00	FD	20	1F	1E	1D	1C	1B	0354	129	28,	29,	30,	31,	32,	-3,	0						
												035C	130													

						035C	132	.sbttl Action Table		Next action the parser should perform.										
						035C	133													
						035C	134	.align long												
						035C	135													
						035C	136	pat\$aw_action::												
						035C	137	.word 118,-												
FFF6	007A	FFF9	FFFA	FFFC	FFFE	0076	035C	138	-2,	-4,	-6,	-7,	122,	-10,	-11,	125,	-14,	-15,	128,	391
FFD4	FFD5	FFD6	FFD7	FFD8	018E	0187	036A	139	398,	-40,	-41,	-42,	-43,	-44,	-45,	-46,	-47,	-48,	-49,	-50
01BD	0193	FFCA	FFCB	FFCC	FFCD	FFCE	0382	140	-51,	-52,	-53,	-54,	403,	445,	-63,	-64,	-65,	-66,	-67,	490
021B	01EC	FFBD	FFBE	FFBF	FFC0	FFC1	039A	141	-69,	-70,	-71,	-72,	492,	539,	546,	-78,	-79,	-80,	-81,	548
FFA2	0279	FFA7	0277	0257	0231	0224	03B2	142	561,	599,	631,	-89,	633,	-94,	-95,	-96,	-97,	-98,	642,	655
FF7A	FF7B	029A	0298	FFED	0292	028F	03CA	143	658,	-19,	664,	666,	-133,	-134,	-135,	-136,	-137,	-138,	-139,	723
FF9B	FF9C	FF9D	FF92	02F3	02E3	02D3	03E2	144	739,	755,	-110,	-99,	-100,	-101,	-102,	-111,	788,	-112,	-113,	-114
FF7E	FF93	FF94	FF95	FF96	FF97	FF8E	03FA	145	-105,	-106,	-107,	-108,	-109,	-130,	-35,	-39,	-146,	-147,	-148,	-149
FF88	FF6F	FF70	032A	0318	FF6A	FF6B	0412	146	-150,	792,	810,	-144,	-145,	-120,	-121,	-122,	-123,	-124,	-125,	-126
FF5E	FF5F	FF60	FF7F	FF80	FF81	FF82	042A	147	-127,	-128,	-129,	-160,	-161,	-162,	-163,	-173,	9999,	-1,	-3,	-5
FFF3	FFF4	0004	FFF7	FFF8	0004	FFFB	0434	148	4,	-8,	-9,	4,	-12,	-13,	9999,	-16,	169,	-18,	-20,	176
FF22	0100	FF24	FF25	FF26	00B6	00B0	0442	149	182,	-218,	-219,	-220,	256,	-222,	264,	373,	-226,	379,	281,	293
FF41	FF4E	0164	0153	0142	0133	0125	045A	150	307,	322,	339,	356,	-178,	-191,	210,	-194,	-195,	-196,	219,	-198
FF34	FF35	FF36	FF4B	FF4C	00E4	FF3A	0464	151	228,	-180,	-181,	-202,	-203,	-204,	-205,	-206,	-207,	-208,	242,	9999
FFEA	FFEB	270F	FFE9	00AD	FFEF	270F	0472	152	-17,	173,	-23,	9999,	-21,	-22,	132,	178,-10214,	180,	9999,	-243	
FF41	FF4E	00C6	270F	00B8	270F	FF0D	048A	153	9999,	184,	9999,	198,	-178,	-191,	210,	-194,	-195,	-196,	219,	-198
00D0	00A0	FF4A	FF4B	FF4C	00E4	FF3A	0494	154	228,	-180,	-181,	-182,	160,	208,	-183,	-184,	-185,	-186,	-187,	-188
FF40	00BA	FF45	FF46	FF47	FF48	FF49	04A2	155	-189,	-190,-10215,	-179,	186,	-192,	-193,	-194,	-195,	-196,	219,	-198	
FF3D	FF3E	FF38	FF3B	00A0	00E4	FF3A	04AC	156	228,	160,	-197,	-200,	-194,	-195,	-196,	219,	-198,	228,	160,	230
FF48	FF49	00D0	FF37	FF39	00B9	00E6	04BA	157	185,	-199,	-201,	208,	-183,	-184,	-185,	-186,	-187,	-188,	-189,	-190
270F	FF29	FF2A	FF2D	00F7	270F	FF42	04C4	158	9999,	247,	-211,	-214,	-215,	9999,	251,	-210,	-212,	244,	-209,	254
270F	FF1B	0103	00F4	FF2B	270F	00FE	04D2	159	9999,	-213,	244,	259,	-229,	9999,	262,	-230,	9999,	-232,-10219,	-223	
0133	0125	0119	FF19	FF1D	0113	FF21	04DC	160	275,	-227,	-231,	281,	293,	307,	322,	339,	356,	185,	277,	9999
00B9	011B	D812	FF18	270F	0117	270F	04EA	161	279,	9999,	-232,-10222,	283,	185,	208,	-183,	-184,	-185,	-186,	-187	
270F	0127	D809	FF42	FF43	FF44	FF45	0502	162	-188,	-189,	-190,-10231,	295,	9999,	297,	185,	208,	-183,	-184,	-185	
D808	FF42	FF43	FF44	FF45	FF46	FF47	050C	163	-186,	-187,	-188,	-189,	-190,-10232,	318,	208,	-183,	-184,	-185,	-186	





D8D0	FF42	FF43	FF44	FF45	FF46	FF47	086C	192	-186,	-187,	-188,	-189,	-190,-10032,	-32,	-33,	9999,	662,	-37,	-38	
		FFDB	0296	270F	FFDF	FFEO	087A													
02B2	270F	FFE2	00E8	FFDC	00B9	FFDA	0884	193	185,	-36,	232,	-30,	9999,	690,	706,	713,	-178,	-191,	210,	-194
		00D2	FF41	FF4E	02C9	02C2	0892													
FF4C	00E4	FF3A	00DB	FF3C	FF3D	FF3E	089C	194	-195,	-196,	219,	-198,	228,	-180,	-181,	-182,	-202,	-203,	-204,	-205
		FF34	FF35	FF36	FF4A	FF4B	08AA													
02B5	D86E	00F2	FF30	FF31	FF32	FF33	08B4	195	-206,	-207,	-208,	242,-10130,	693,	-156,-10129,	696,	-157,	185,	208		
		00B9	FF63	02B8	D86F	FF64	08C2													
FF44	FF45	FF46	FF47	FF48	FF49	00D0	08CC	196	-183,	-184,	-185,	-186,	-187,	-188,	-189,	-190,-10153,	708,-10149,	710		
		D85B	02C4	D857	FF42	FF43	08DA													
FF49	00D0	00E8	FF67	FF68	00B9	02C6	08E4	197	185,	-152,	-153,	232,	208,	-183,	-184,	-185,	-186,	-187,	-188,	-189
		FF44	FF45	FF46	FF47	FF48	08F2													
FF3C	FF3D	FF3E	FF74	D858	FF42	FF43	08FC	198	-190,-10152,	-140,	-194,	-195,	-196,	219,	-198,	228,	-202,	-203,	-204	
		FF35	FF36	00E4	FF3A	00DB	090A													
D865	00F2	FF30	FF31	FF32	FF33	FF34	0914	199	-205,	-206,	-207,	-208,	242,-10139,	-142,	-194,	-195,	-196,	219,	-198	
		00DB	FF3C	FF3D	FF3E	FF72	0922													
FF32	FF33	FF34	FF35	FF36	00E4	FF3A	092C	200	228,	-202,	-203,	-204,	-205,	-206,	-207,	-208,	242,-10141,	778,	-119	
		030A	D863	00F2	FF30	FF31	093A													
FF3C	FF3D	FF3E	00D2	FF41	FF4E	FF89	0944	201	-178,	-191,	210,	-194,	-195,	-196,	219,	-198,	228,	-180,	-181,	-182
		FF4B	FF4C	00E4	FF3A	00DB	0952													
FF31	FF32	FF33	FF34	FF35	FF36	FF4A	095C	202	-202,	-203,	-204,	-205,	-206,	-207,	-208,	242,-10115,	208,	-183,	-184	
		FF49	00D0	D87D	00F2	FF30	096A													
FF42	FF43	FF44	FF45	FF46	FF47	FF48	0974	203	-185,	-186,	-187,	-188,	-189,	-190,-10116,	790,	9999,	-115,-10114,	795		
		D87E	FF8D	270F	0316	D87C	0982													
0321	D853	FF56	031E	D854	0324	031B	098C	204	804,-10156,	798,	-170,-10157,	801,	-167,	185,	-165,	-169,	232,	807		
		00E8	FF57	FF58	00B9	FF59	099A													
0341	00E8	FF58	FF5C	00B9	FF5A	0327	09A4	205	-166,	185,	-164,	-168,	232,	833,	849,	-178,	-191,	210,	-194,	-195
		FF3E	00D2	FF41	FF4E	0351	09B2													
FF4B	FF4C	00E4	FF3A	00DB	FF3C	FF3D	09BC	206	-196,	219,	-198,	228,	-180,	-181,	-182,	-202,	-203,	-204,	-205,	-206
		FF33	FF34	FF35	FF36	FF4A	09CA													
FF50	0344	D846	00F2	FF30	FF31	FF32	09D4	207	-207,	-208,	242,-10170,	836,	-176,-10169,	839,	-177,	185,	208,	-183		
		00D0	00B9	FF4F	0347	D847	09E2													
FF43	FF44	FF45	FF46	FF47	FF48	FF49	09EC	208	-184,	-185,	-186,	-187,	-188,	-189,	-190,-10173,	208,	-183,	-184,	-185	
		FF48	FF49	00D0	D843	FF42	09FA													
D844	FF42	FF43	FF44	FF45	FF46	FF47	0A04	209	-186,	-187,	-188,	-189,	-190,-10172,	0						
						0000	0A12													
							0A14	210												





			.sbttl	Semantic Action	Dispatch table to semantic action routines.		
		0C01	270				
		0C01	271				
		0C01	272	.align	long		
		0C04	273				
		0C04	274	pat\$al_sem::			
00000000	00000000	00000000	0C04	.long	0-		
		0C10	276	.GOAL		.MTXT1	.MTXT2
00000000	00000000	00000000	0C10	.MTXT3	.MTXT4		.ERRMRS
00000000	00000000	00000000	0C1C	.STAT1	.0		.0
00000000	00000000	00000000	0C28	.0	.STAT4		.0
00000000	00000000	00000000	0C34	.ERRDOL	.0		.0
00000000	00000000	00000000	0C40	.0	.0		.ERRMST
00000000	00000000	00000000	0C4C	.MINST1	.OPRAND		.OPRAND
00000000	00000000	00000000	0C58	.ERRREF	.ERRREF		.LBL1
00000000	00000000	00000000	0C64	.LBL2	.ASSGN1		.ERRASN
00000000	00000000	00000000	0C70	.ASSHD1	.ASSHD2		.ASSHD3
00000000	00000000	00000000	0C7C	.IFSPL	.IF		.IFSUNT
00000000	00000000	00000000	0C88	.0	.IFHD1		.IIF1
00000000	00000000	00000000	0C94	.IIF2	.ERRIIF		.IIF
00000000	00000000	00000000	0CA0	.MACRO	.IFF		.IFT
00000000	00000000	00000000	0CAC	.IFTF	.IRP		.IRPC
00000000	00000000	00000000	0CB8	.0	.0		.DSABL
00000000	00000000	00000000	0CC4	.ENABL	.LIST		.NLIST
00000000	00000000	00000000	0CD0	.PSECT	.CSAVE		.CRESTO
00000000	00000000	00000000	0CDC	.ENTRY1	.ENTRY2		.ERRENT
00000000	00000000	00000000	0CE8	.ERRENT	.ERRENT		.ALIGN1
00000000	00000000	00000000	0CF4	.ALIGN2	.ALIGN2		.DELETE
00000000	00000000	00000000	0D00	.LIBRY	.MCALL		.MEXIT
00000000	00000000	00000000	0D0C	.NARG	.NCHR		.PAGE
00000000	00000000	00000000	0D18	.SBTTL	.TITLE		.IDENT
00000000	00000000	00000000	0D24	.VECTRO	.VECTR1		.VECTR2
00000000	00000000	00000000	0D30	.0	.XFER		.ENDPRG
00000000	00000000	00000000	0D3C	.BDEND1	.BDEND2		.ENDC
00000000	00000000	00000000	0D48	.REPT	.ERREPT		.NTYPE1
00000000	00000000	00000000	0D54	.NTYPE2	.ERROR1		.ERROR2
00000000	00000000	00000000	0D60	.DREF	.SETDFL		.DFNOPC
00000000	00000000	00000000	0D6C	.ERROPD	.ERROPD		.ERROPD
00000000	00000000	00000000	0D78	.CROENB	.CRODSB		.ODD
00000000	00000000	00000000	0D84	.EVEN	.LINK		.DEBUG
00000000	00000000	00000000	0D90	.GLOBAL	.EXTRN		.WEAK
00000000	00000000	00000000	0D9C	.IDLIST	.IDLIST		.RFHD1
00000000	00000000	00000000	0DA8	.RFHD2	.RFHD4		.RFHD8
00000000	00000000	00000000	0DB4	.RFHD16	.ALIGN		.REPTH0
00000000	00000000	00000000	0DC0	.ERROR	.PRINT		.WARN
00000000	00000000	00000000	0DCC	.NTHD1	.NTHD2		.BSTAT1
00000000	00000000	00000000	0DD8	.BSTAT2	.ERRBLK		.BLKLNQ
00000000	00000000	00000000	0DE4	.BLKBYT	.BLKQUD		.BLKLNQ
00000000	00000000	00000000	0DF0	.BLKLNQ	.BLKQUD		.BLKWRD
00000000	00000000	00000000	0DFC	.BLKQUD	.BLKQCT		.BLKQCT
00000000	00000000	00000000	0E08	.REPTH0	.0		.DATNUL
00000000	00000000	00000000	0E14	.0	.0		.PACKED
00000000	00000000	00000000	0E20	.FLOAT	.DOUBLE		.GFLOAT
00000000	00000000	00000000	0E2C	.HFLOAT	.QUDSTR		.DATNUL
00000000	00000000	00000000	0E38	.OCTSTR	.DATNUL		.QUAD
00000000	00000000	00000000	0E44	.OCTA	.BYTE		.LONG
00000000	00000000	00000000	0E5C	.SGNBYT	.SGNWRD		.WORD
00000000	00000000	00000000	0E5C	.DALST1	.DALST2		.ERRDAR

00000000'00000000'00000000'	0E68	327	.DATARG	.DATARG	.ERRDAR
00000000'00000000'00000000'	0E74	328	.ERRDAR	.CHARHD	.CHARHD
00000000'00000000'00000000'	0E80	329	.ASCII	.ASCIZ	.ASCID
00000000'00000000'00000000'	0E8C	330	.ASCIC	.CHRARG	.CHRARG
00000000'00000000'00000000'	0E98	331	.CHRNUL	.CHRNUL	.ERRCHA
00000000'00000000'00000000'	0EA4	332	.ERRCHA	.ERRCHA	.0
00000000'00000000'00000000'	0EB0	333	.ERRADR	.ADDRS	.STOADR
00000000'00000000'00000000'	0EBC	334	.STOADR	.ERRADR	.ERRADR
00000000'00000000'00000000'	0EC8	335	.0	.EXPBIN	.OPCOM
00000000'00000000'00000000'	0ED4	336	.OPSAME	.JPNEG	.OPPLUS
00000000'00000000'00000000'	0EE0	337	.OPMINU	.JPMUL	.OPDIV
00000000'00000000'00000000'	0EEC	338	.OPAND	.OPOR	.OPXOR
00000000'00000000'00000000'	0EF8	339	.OPASH	.0	.PRMUN
00000000'00000000'00000000'	0F04	340	.ERREXP	.PRMSYM	.PRMPC
00000000'00000000'00000000'	0F10	341	.PRMINT	.PRMRDX	.0
00000000'00000000'00000000'	0F1C	342	.PRMBRK	.ERREXP	.ERREXP
00000000'00000000'00000000'	0F28	343	.RDXHEX	.RDXDEC	.RDXBIN
00000000'00000000'00000000'	0F34	344	.RDXOCT	.NUMASC	.NUMFLT
00000000'00000000'00000000'	0F40	345	.0	.MASK	.MASKNL
00000000'00000000'00000000'	0F4C	346	.MASKX	.RGLST1	.REGLST
00000000'00000000'00000000'	0F58	347	.0	.0	.REF1
00000000'00000000'00000000'	0F64	348	.LITERL	.REF2	.REF3
00000000'00000000'00000000'	0F70	349	.EPRREF	.RDEFER	.AUTO1
00000000'00000000'00000000'	0F7C	350	.AUTOI1	.AUTOI3	.AUTODC
00000000'00000000'00000000'	0F88	351	.DISP	.DISPI	.GENLDS
00000000'00000000'00000000'	0F94	352	.ERRBRF	.ERRBRF	.ERRBRF
00000000'00000000'00000000'	0FA0	353	.AINC1	.AINC2	.AINC3
00000000'00000000'00000000'	0FAC	354	.DISPL1	.DISPL2	.DISPL3
00000000'00000000'00000000'	0FB8	355	.DISPL4	.DISPL5	.DISPL6
00000000'00000000'00000000'	0FC4	356	.DISPL7	.DISPL8	.INDEX
00000000'00000000'00000000'	0FD0	357	.0		
00000000'00000000'00000000'	0FD8	358	.end		

ADDRES	*****	X	01	ENDC	*****	X	01	MCALL	*****	X	01
AINC1	*****	X	01	ENDPRG	*****	X	01	MEXIT	*****	X	01
AINC2	*****	X	01	ENTRY1	*****	X	01	MINST1	*****	X	01
AINC3	*****	X	01	ENTRY2	*****	X	01	MTXT1	= 00000000		
ALIGN	*****	X	01	ERRADR	*****	X	01	MTXT2	= 00000000		
ALIGN1	*****	X	01	ERRASN	*****	X	01	MTXT3	*****	X	01
ALIGN2	*****	X	01	ERRBLK	*****	X	01	MTXT4	*****	X	01
ASCIC	*****	X	01	ERRBRF	*****	X	01	NARG	*****	X	01
ASCID	*****	X	01	ERRCHA	*****	X	01	NCHR	*****	X	01
ASCII	*****	X	01	ERRDAR	*****	X	01	NLIST	*****	X	01
ASCIZ	*****	X	01	ERRDOL	*****	X	01	NTHD1	*****	X	01
ASSGN1	*****	X	01	ERRENT	*****	X	01	NTHD2	*****	X	01
ASSHD1	*****	X	01	ERREPT	*****	X	01	NTYPE1	*****	X	01
ASSHD2	*****	X	01	ERREXP	*****	X	01	NTYPE2	*****	X	01
ASSHD3	*****	X	01	ERRIF	*****	X	01	NULL	= 00000000		
AUTODC	*****	X	01	ERRMRS	*****	X	01	NUMASC	*****	X	01
AUTOI	*****	X	01	ERRMST	*****	X	01	NUMFLT	*****	X	01
AUTOI3	*****	X	01	ERROPD	*****	X	01	OCTA	*****	X	01
AUTOI1	*****	X	01	ERROR	*****	X	01	OCTSTR	*****	X	01
BDEND1	*****	X	01	ERROR1	*****	X	01	ODD	*****	X	01
BDEND2	*****	X	01	ERROR2	*****	X	01	OPAND	*****	X	01
BLKBYT	*****	X	01	ERRREF	*****	X	01	OPASH	*****	X	01
BLKLNQ	*****	X	01	EVEN	*****	X	01	OPCOM	*****	X	01
BLKCOCT	*****	X	01	EXPBIN	*****	X	01	OPDIV	*****	X	01
BLKQUD	*****	X	01	EXTRN	*****	X	01	OPMINU	*****	X	01
BLKWRD	*****	X	01	FLOAT	*****	X	01	OPMUL	*****	X	01
BSTAT1	*****	X	01	GENLDS	*****	X	01	OPNEG	*****	X	01
BSTAT2	*****	X	01	GFLOAT	*****	X	01	OPOR	*****	X	01
BYTE	*****	X	01	GLOBAL	*****	X	01	OPPLUS	*****	X	01
CHARHD	*****	X	01	GOAL	*****	X	01	OPRAND	*****	X	01
CHRARG	*****	X	01	HFLOAT	*****	X	01	OPSAME	*****	X	01
CHRNUL	*****	X	01	IDENT	*****	X	01	OPXOR	*****	X	01
CRECTO	*****	X	01	IDLIST	*****	X	01	PACKED	*****	X	01
CRODSB	*****	X	01	IF	*****	X	01	PAGE	*****	X	01
CROENB	*****	X	01	IFF	*****	X	01	PAT\$AB_LHS	00000B0C	RG	01
CSAVE	*****	X	01	IFHD1	*****	X	01	PAT\$AB_POP	00000A14	RG	01
DALST1	*****	X	01	IFSPL	*****	X	01	PAT\$AB_SYMLST	00000000	RG	01
DALST2	*****	X	01	IFSUNT	*****	X	01	PAT\$AL_SEM	00000C04	RG	01
DATARG	*****	X	01	IFT	*****	X	01	PAT\$AW_ACTION	0000035C	RG	01
DATNUL	*****	X	01	IFTF	*****	X	01	PRINT	*****	X	01
DEBUG	*****	X	01	IIF	*****	X	01	PRMBRK	*****	X	01
DELETE	*****	X	01	IIF1	*****	X	01	PRMINT	*****	X	01
DFNOPC	*****	X	01	IIF2	*****	X	01	PRMPC	*****	X	01
DIRREF	*****	X	01	INDEX	*****	X	01	PRMRDX	*****	X	01
DISP	*****	X	01	IRP	*****	X	01	PRMSYM	*****	X	01
DISPI	*****	X	01	IRPC	*****	X	01	PRMUN	*****	X	01
DISPL1	*****	X	01	LBL1	*****	X	01	PSECT	*****	X	01
DISPL2	*****	X	01	LBL2	*****	X	01	QUAD	*****	X	01
DISPL3	*****	X	01	LIBRY	*****	X	01	QUDSTR	*****	X	01
DISPL4	*****	X	01	LINK	*****	X	01	RDEFER	*****	X	01
DISPL5	*****	X	01	LIST	*****	X	01	RDXBIN	*****	X	01
DISPL6	*****	X	01	LITERL	*****	X	01	RDXDEC	*****	X	01
DISPL7	*****	X	01	LONG	*****	X	01	RDXHEX	*****	X	01
DISPL8	*****	X	01	MACRO	*****	X	01	RDXOCT	*****	X	01
DOUBLE	*****	X	01	MASK	*****	X	01	REF1	*****	X	01
DSABL	*****	X	01	MASKNL	*****	X	01	REF2	*****	X	01
ENABL	*****	X	01	MASKX	*****	X	01	REF3	*****	X	01

REGLST	*****	Y	01
REPT	*****	X	01
REPTH0	*****	X	01
RFHD1	*****	X	01
RFHD16	*****	X	01
RFHD2	*****	X	01
RFHD4	*****	X	01
RFHD8	*****	X	01
RGLST1	*****	X	01
SBTTL	*****	X	01
SETDFL	*****	X	01
SGNBYT	*****	X	01
SGNWRD	*****	X	01
STAT1	*****	X	01
STAT4	*****	X	01
STOADR	*****	X	01
TITLE	*****	X	01
VECTRO	*****	X	01
VECTR1	*****	X	01
VECTR2	*****	X	01
WARN	*****	X	01
WEAK	*****	X	01
WORD	*****	X	01
XFER	*****	X	01

-----  
! Psect synopsis !  
-----

PSECT name	Allocation	PSECT No.	Attributes										
ABS	00000000 ( 0.)	00 ( 0.)	NOPIC USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE	
MAC\$PARSE_TABLE	00000FD8 ( 4056.)	01 ( 1.)	NOPIC USR	CON	REL	GBL	NOSHR	NOEXE	RD	NOWRT	NOVEC	LONG	

-----  
! Performance indicators !  
-----

Phase	Page faults	CPU Time	Elapsed Time
Initialization	41	00:00:00.03	00:00:03.02
Command processing	151	00:00:00.37	00:00:03.53
Pass 1	115	00:00:02.11	00:00:08.32
Symbol table sort	0	00:00:00.14	00:00:00.32
Pass 2	120	00:00:00.77	00:00:03.50
Symbol table output	17	00:00:00.05	00:00:00.45
Psect synopsis output	1	00:00:00.01	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	447	00:00:03.50	00:00:19.17

The working set limit was 1050 pages.  
 17775 bytes (35 pages) of virtual memory were used to buffer the intermediate code.  
 There were 10 pages of symbol table space allocated to hold 195 non-local and 0 local symbols.  
 358 source lines were read in Pass 1, producing 25 object records in Pass 2.  
 0 pages of virtual memory were used to define 0 macros.

-----  
! Macro library statistics !  
-----

Macro library name	Macros defined
-----	-----
-\$255\$DUA28:[MACRO.OBJ]MACRO.MLB;1	0
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2	0
TOTALS (all libraries)	0

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LISS:LRPTAB/OBJ=OBJ\$:LRPTAB MSRC\$:LRPTAB/UPDATE=(ENH\$:LRPTAB)+LIB\$:MACRO/LIB



0226 AH-BT13A-SE  
VAX/VMS V4.0

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