

Digital Equipment Corporation  
Maynard, Massachusetts

# FOCAL, 1969

INIT



**PDP-8**

Name: FOCAL, 1969 [INIT]  
Document: DEC-08-AJAE-PB.LST [SECONDARY]  
File[s]: INIT.LST [from INIT.ZZM]  
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1	1	/	INITIAL DIALOGUE FOR FOCAL, 1969	1
2	2			2
3	3	/	OPTIONAL INITIAL DIALOGUE TO BE LOADED OVER FOCAL, 1969 BEFORE STARTUP.	3
4	4			4
5	5	/	USED TO CUSTOMIZE TRIGONOMETRIC FUNCTIONS RETAINED IN MEMORY.	5
6	6			6
7	7	/	DISASSEMBLED FROM THE FOCAL, 1969 SECOND BINARY SECTION (INIT) IN THE STANDARD	7
8	8	/	BINARY PAPER-TAPE RELEASE: DEC-08-AJAE-PB FOCAL, 1969 + INIT 09-JUL-1969 BY	8
9	9	/	CHARLES LASNER P?S NY.	9
10	10			10
11	11	/	LAST EDIT: 03-JUN-2015 CJL.	11
12	12			12
13	13	/	EQUATED SYMBOLS FROM FOCAL, 1969.	13
14	14			14
15	15	3217	BUFBEQ= 3217 /START OF AVAILABLE TEXT BUFFER	15
16	16	0060	BUFR= 0060 /BUFFER POINTER [LAST LOCATION OF TEXT]	16
17	17	3206	FRST= 3206 /FIRST [PERMANENT] TEXT LINE HERE	17
18	18	0031	LASTV= 0031 /TOP OF VARIABLES POINTER [FOR TEXT]	18
19	19	4037	SPARROW=" -200^100+37 /<SP><LEFT-ARROW> OUTPUT FOR CERTAIN TERMINALS	19
20	20			20
21	21	/	ASSEMBLY INSTRUCTIONS.	21
22	22			22
23	23	/	MUST BE ASSEMBLED WITHOUT /J (PAL8 /F) SET (TEXT CAN GENERATE 0000 FILL WORD).	23
24	24			24
25	25	/	TOPS-10 PAL10 (THE ORIGINAL FOCAL DEVELOPMENT UTILITY) CAN ASSEMBLE THIS	25
26	26	/	FILE; PAL10 DOES NOT SUPPORT THE FEATURE OF DISABLING THE TEXT 0000 FILL.	26
27	27			27
28	28	0000	FIELD 0 /ENSURE FIELD 0 LOADING	28
29	29			29
30	30	*0031	*LASTV /OVER TEXT POINTER	30
31	31			31
32	32	000031 3760	ENDTXT /FIRST FREE LOCATION	32
33	33			33
34	34	*0060	*BUFR /OVER BUFFER POINTER	34
35	35			35
36	36	000060 3760	ENDTXT /FIRST FREE LOCATION	36
37	37			37
38	38	*3206	*FRST /OVER FIRST TEXT LINE'S TEXT POINTER	38
39	39			39
40	40	003206 3217	BUFBEQ /POINT TO ADDED INITIAL DIALOGUE TEXT	40
41	41			41
42	42	*3217	*BUFBEQ /INITIAL DIALOGUE STATEMENTS LOAD HERE	42
43	43			43
44	44	/	INTERNAL FORMAT OF FOCAL STATEMENTS.	44
45	45			45
46	46	/	WORD [0] POINTER TO NEXT LINE (0000 IF LAST LINE).	46
47	47			47
48	48	/	WORD [1] BITS[0-4] GROUP NUMBER, BITS[5-11] RELATIVE LINE NUMBER.	48
49	49			49
50	50	/	WORD [2-LAST] STATEMENT TEXT. CHARACTERS ARE STORED IN SIXBIT BYTE FORMAT	50
51	51	/	PACKED TWO PER 12-BIT WORD; LINE IS TERMINATED BY <CR> STORED	51
52	52	/	AS 7715. NOTE: CONTROL CHARACTERS ARE STORED AS 77XX WHERE XX	52
53	53	/	IS THE CONTROL CHARACTER CODE; ? (CODE 77) IS NOT ALLOWED.	53
54	54			54
55	55			55
56	56			56
57	57			57
58	58			58

1	55		/	INITIAL DIALOGUE FOCAL STATEMENTS.		1
2	56					2
3	57	3217		LN0110= .	/BEGINNING OF LINE 01.10	3
4	58					4
5	59	003217	3235	LN0120	/POINTER TO NEXT LINE	5
6	60					6
7	61			DECIMAL	/MAKE IT EASIER	7
8	62					8
9	63	003220	0212	01^128+10	/LINE 01.10	9
10	64					10
11	65			OCTAL	/BACK TO NORMAL	11
12	66					12
13	67	003221	2440	TEXT \T !"CONGRATULATIONS!!"\		13
14		003222	4142			14
15		003223	0317			15
16		003224	1607			16
17		003225	2201			17
18		003226	2425			18
19		003227	1401			19
20		003230	2411			20
21		003231	1716			21
22		003232	2341			22
23		003233	4142			23
24		003234	0000			24
25	68					25
26	69	*3234		*.-1	/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	26
27	70					27
28	71	003234	7715	"?^100+"M-300	/<<CR>	28
29	72					29
30	73		3235	LN0120= .	/BEGINNING OF LINE 01.20	30
31	74					31
32	75	003235	3272	LN0125	/POINTER TO NEXT LINE	32
33	76					33
34	77			DECIMAL	/MAKE IT EASIER	34
35	78					35
36	79	003236	0224	01^128+20	/LINE 01.20	36
37	80					37
38	81			OCTAL	/BACK TO NORMAL	38
39						39
40						40
41						41
42						42
43						43
44						44
45						45
46						46
47						47
48						48
49						49
50						50
51						51
52						52
53						53
54						54
55						55
56						56
57						57
58						58

1	83	003237	2440	TEXT	\T !"YOU HAVE SUCCESSFULLY LOADED 'FOCAL,1969' ON A \	1
2		003240	4041			2
3		003241	4231			3
4		003242	1725			4
5		003243	4010			5
6		003244	0126			6
7		003245	0540			7
8		003246	2325			8
9		003247	0303			9
10		003250	0523			10
11		003251	2306			11
12		003252	2514			12
13		003253	1431			13
14		003254	4014			14
15		003255	1701			15
16		003256	0405			16
17		003257	0440			17
18		003260	4706			18
19		003261	1703			19
20		003262	0114			20
21		003263	5461			21
22		003264	7166			22
23		003265	7147			23
24		003266	4017			24
25		003267	1640			25
26		003270	0140			26
27		003271	0000			27
28	84					28
29	85	*3271	*.-1		/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	29
30	86					30
31	87	003271	7715	"?^100+"M-300	/<CR>	31
32	88					32
33	89		3272	LN0125= .	/BEGINNING OF LINE 01.25	33
34	90					34
35	91	003272	3330	LN0126	/POINTER TO NEXT LINE	35
36	92					36
37	93			DECIMAL	/MAKE IT EASIER	37
38	94					38
39	95	003273	0231	01^128+25	/LINE 01.25	39
40	96					40
41	97			OCTAL	/BACK TO NORMAL	41
42						42
43						43
44						44
45						45
46						46
47						47
48						48
49						49
50						50
51						51
52						52
53						53
54						54
55						55
56						56
57						57
58						58

1	99	/		THE CPU ID PASSED BY FOCAL WILL BE CONVERTED TO AN INTEGER BEFORE FURTHER	1
2	100	/		PROCESSING. THE CORRESPONDING MODEL WILL BE DISPLAYED.	2
3	101				3
4	102	003274	2305	TEXT \SET PDP=PDP*2^11;D 1.26;DO 1.9;DO 2; T !"PROCEED."!!;R\	4
5		003275	2440		5
6		003276	2004		6
7		003277	2075		7
8		003300	2004		8
9		003301	2052		9
10		003302	6236		10
11		003303	6161		11
12		003304	7304		12
13		003305	4061		13
14		003306	5662		14
15		003307	6673		15
16		003310	0417		16
17		003311	4061		17
18		003312	5671		18
19		003313	7304		19
20		003314	1740		20
21		003315	6273		21
22		003316	4024		22
23		003317	4041		23
24		003320	4220		24
25		003321	2217		25
26		003322	0305		26
27		003323	0504		27
28		003324	5642		28
29		003325	4141		29
30		003326	7322		30
31		003327	0000		31
32	103				32
33	104	*3327	*.-1	/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	33
34	105				34
35	106	003327	7715	"?^100+"M-300 /<CR>	35
36	107				36
37	108	3330	LN0126= .	/BEGINNING OF LINE 01.26	37
38	109				38
39	110	003330	3354	LN0127 /POINTER TO NEXT LINE	39
40	111				40
41	112		DECIMAL	/MAKE IT EASIER	41
42	113				42
43	114	003331	0232	01^128+26 /LINE 01.26	43
44	115				44
45	116		OCTAL	/BACK TO NORMAL	45
46					46
47					47
48					48
49					49
50					50
51					51
52					52
53					53
54					54
55					55
56					56
57					57
58					58

1	118	003332	1106	TEXT	\IF (PDP-6) 1.30,1.27;T "PDP-8/L";R\	1
2		003333	4050			2
3		003334	2004			3
4		003335	2055			4
5		003336	6651			5
6		003337	4061			6
7		003340	5663			7
8		003341	6054			8
9		003342	6156			9
10		003343	6267			10
11		003344	7324			11
12		003345	4042			12
13		003346	2004			13
14		003347	2055			14
15		003350	7057			15
16		003351	1442			16
17		003352	7322			17
18		003353	0000			18
19	119					19
20	120	*3353	*.-1		/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	20
21	121					21
22	122	003353	7715	"?^100+"M-300	/ <cr&gt;< td=""><td>22</td></cr&gt;<>	22
23	123					23
24	124	3354	LN0127= .		/BEGINNING OF LINE 01.27	24
25	125					25
26	126	003354	3365	LN0130	/POINTER TO THE NEXT LINE	26
27	127					27
28	128			DECIMAL	/MAKE IT EASIER	28
29	129					29
30	130	003355	0233	01^128+27	/LINE 01.27	30
31	131					31
32	132			OCTAL	/BACK TO NORMAL	32
33	133					33
34	134	003356	2440	TEXT	\T "PDP-12";R\	34
35		003357	4220			35
36		003360	0420			36
37		003361	5561			37
38		003362	6242			38
39		003363	7322			39
40		003364	0000			40
41	135					41
42	136	*3364	*.-1		/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	42
43	137					43
44	138	003364	7715	"?^100+"M-300	/ <cr&gt;< td=""><td>44</td></cr&gt;<>	44
45	139					45
46	140	3365	LN0130= .		/BEGINNING OF LINE 01.30	46
47	141					47
48	142	003365	3403	LN0140	/POINTER TO THE NEXT LINE	48
49	143					49
50	144			DECIMAL	/MAKE IT EASIER	50
51	145					51
52	146	003366	0236	01^128+30	/LINE 01.30	52
53	147					53
54	148			OCTAL	/BACK TO NORMAL	54
55						55
56						56
57						57
58						58

1	150	003367	1140	TEXT	\I (PDP-5)1.4;T "LAB-8"	1
2		003370	5020			2
3		003371	0420			3
4		003372	5565			4
5		003373	5161			5
6		003374	5664			6
7		003375	7324			7
8		003376	4042			8
9		003377	1401			9
10		003400	0255			10
11		003401	7042			11
12		003402	0000			12
13	151					13
14	152	*3402		*.-1	/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	14
15	153					15
16	154	003402	7715	"?^100+"M-300	/ <cr&gt;< td=""><td>16</td></cr&gt;<>	16
17	155					17
18	156		3403	LN0140= .	/BEGINNING OF LINE 01.40	18
19	157					19
20	158	003403	3421	LN0150	/POINTER TO THE NEXT LINE	20
21	159					21
22	160			DECIMAL	/MAKE IT EASIER	22
23	161					23
24	162	003404	0250	01^128+40	/LINE 01.40	24
25	163					25
26	164			OCTAL	/BACK TO NORMAL	26
27	165					27
28	166	003405	1140	TEXT	\I (PDP-4)1.5;T "LINC-8\"	28
29		003406	5020			29
30		003407	0420			30
31		003410	5564			31
32		003411	5161			32
33		003412	5665			33
34		003413	7324			34
35		003414	4042			35
36		003415	1411			36
37		003416	1603			37
38		003417	5570			38
39		003420	0000			39
40	167					40
41	168			/	NOTE: TRAILING " IS UNNECESSARY SINCE THE STRING IS LAST ON THE LINE.	41
42	169					42
43	170	*3420		*.-1	/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	43
44	171					44
45	172	003420	7715	"?^100+"M-300	/ <cr&gt;< td=""><td>45</td></cr&gt;<>	45
46	173					46
47	174		3421	LN0150= .	/BEGINNING OF LINE 01.50	47
48	175					48
49	176	003421	3443	LN0160	/POINTER TO THE NEXT LINE	49
50	177					50
51	178			DECIMAL	/MAKE IT EASIER	51
52	179					52
53	180	003422	0262	01^128+50	/LINE 01.50	53
54	181					54
55	182			OCTAL	/BACK TO NORMAL	55
56						56
57						57
58						58



1	184	003423	2440	TEXT	\T "PDP-";IF (PDP-3)1.6;T "8/I"\	1
2		003424	4220			2
3		003425	0420			3
4		003426	5542			4
5		003427	7311			5
6		003430	0640			6
7		003431	5020			7
8		003432	0420			8
9		003433	5563			9
10		003434	5161			10
11		003435	5666			11
12		003436	7324			12
13		003437	4042			13
14		003440	7057			14
15		003441	1142			15
16		003442	0000			16
17	185					17
18	186		*3442	*.-1	/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	18
19	187					19
20	188	003442	7715	"?^100+"M-300	/ <cr&gt;< td=""><td>20</td></cr&gt;<>	20
21	189					21
22	190		3443	LN0160= .	/BEGINNING OF LINE 01.60	22
23	191					23
24	192	003443	3457	LN0170	/POINTER TO NEXT LINE	24
25	193					25
26	194			DECIMAL	/MAKE IT EASIER	26
27	195					27
28	196	003444	0274	01^128+60	/LINE 01.60	28
29	197					29
30	198			OCTAL	/BACK TO NORMAL	30
31	199					31
32	200	003445	1106	TEXT	\IF (PDP-2)1.7;T "8\	32
33		003446	4050			33
34		003447	2004			34
35		003450	2055			35
36		003451	6251			36
37		003452	6156			37
38		003453	6773			38
39		003454	2440			39
40		003455	4270			40
41		003456	0000			41
42	201					42
43	202		*3456	*.-1	/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	43
44	203					44
45	204	003456	7715	"?^100+"M-300	/ <cr&gt;< td=""><td>45</td></cr&gt;<>	45
46	205					46
47	206		3457	LN0170= .	/BEGINNING OF LINE 1.70	47
48	207					48
49	208	003457	3474	LN0180	/POINTER TO NEXT LINE	49
50	209					50
51	210			DECIMAL	/MAKE IT EASIER	51
52	211					52
53	212	003460	0306	01^128+70	/LINE 01.70	53
54	213					54
55	214			OCTAL	/BACK TO NORMAL	55
56						56
57						57
58						58

1	216	003461	1106	TEXT	\IF (PDP-1)1.8;T "8/S\	1
2		003462	4050			2
3		003463	2004			3
4		003464	2055			4
5		003465	6151			5
6		003466	6156			6
7		003467	7073			7
8		003470	2440			8
9		003471	4270			9
10		003472	5723			10
11		003473	0000			11
12	217					12
13	218	*3473		*.-1	/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	13
14	219					14
15	220	003473	7715	"?^100+"M-300	/ <cr&gt;< td=""><td>15</td></cr&gt;<>	15
16	221					16
17	222		3474	LN0180= .	/BEGINNING OF LINE 01.80	17
18	223					18
19	224	003474	3507	LN0190	/POINTER TO NEXT LINE	19
20	225					20
21	226			DECIMAL	/MAKE IT EASIER	21
22	227					22
23	228	003475	0320	01^128+80	/LINE 01.80	23
24	229					24
25	230			OCTAL	/BACK TO NORMAL	25
26	231					26
27	232	003476	1106	TEXT	\IF (PDP)1.9;T "5\	27
28		003477	4050			28
29		003500	2004			29
30		003501	2051			30
31		003502	6156			31
32		003503	7173			32
33		003504	2440			33
34		003505	4265			34
35		003506	0000			35
36	233					36
37	234	*3506		*.-1	/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	37
38	235					38
39	236	003506	7715	"?^100+"M-300	/ <cr&gt;< td=""><td>39</td></cr&gt;<>	39
40	237					40
41	238		3507	LN0190= .	/BEGINNING OF LINE 1.90	41
42	239					42
43	240	003507	3522	LN0215	/POINTER TO NEXT LINE	43
44	241					44
45	242			DECIMAL	/MAKE IT EASIER	45
46	243					46
47	244	003510	0332	01^128+90	/LINE 01.90	47
48	245					48
49	246			OCTAL	/BACK TO NORMAL	49
50						50
51						51
52						52
53						53
54						54
55						55
56						56
57						57
58						58

1	248	003511	2440	TEXT	\T " COMPUTER."!!\	1
2		003512	4240			2
3		003513	0317			3
4		003514	1520			4
5		003515	2524			5
6		003516	0522			6
7		003517	5642			7
8		003520	4141			8
9		003521	0000			9
10	249					10
11	250	*3521		*.-1	/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	11
12	251					12
13	252	003521	7715	"?^100+"M-300	/ <cr&gt;< td=""><td>13</td></cr&gt;<>	13
14	253					14
15	254		3522	LN0215= .	/BEGINNING OF LINE 02.15	15
16	255					16
17	256	003522	3531	LN0220	/POINTER TO NEXT LINE	17
18	257					18
19	258			DECIMAL	/MAKE IT EASIER	19
20	259					20
21	260	003523	0417	02^128+15	/LINE 02.15	21
22	261					22
23	262			OCTAL	/BACK TO NORMAL	23
24	263					24
25	264	003524	2305	TEXT	\SET XF=1\	25
26		003525	2440			26
27		003526	3006			27
28		003527	7561			28
29		003530	0000			29
30	265					30
31	266	*3530		*.-1	/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	31
32	267					32
33	268	003530	7715	"?^100+"M-300	/ <cr&gt;< td=""><td>33</td></cr&gt;<>	33
34	269					34
35	270		3531	LN0220= .	/BEGINNING OF LINE 02.20	35
36	271					36
37	272	003531	3546	LN0225	/POINTER TO NEXT LINE	37
38	273					38
39	274			DECIMAL	/MAKE IT EASIER	39
40	275					40
41	276	003532	0424	02^128+20	/LINE 02.20	41
42	277					42
43	278			OCTAL	/BACK TO NORMAL	43
44						44
45						45
46						46
47						47
48						48
49						49
50						50
51						51
52						52
53						53
54						54
55						55
56						56
57						57
58						58

1	280	003533	2440	TEXT	\T !"SHALL I RETAIN "\	1
2		003534	4142			2
3		003535	2310			3
4		003536	0114			4
5		003537	1440			5
6		003540	1140			6
7		003541	2205			7
8		003542	2401			8
9		003543	1116			9
10		003544	4042			10
11		003545	0000			11
12	281					12
13	282	*3545		*.-1	/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	13
14	283					14
15	284	003545	7715	"?^100+"M-300	/<<CR>	15
16	285					16
17	286		3546	LN0225= .	/BEGINNING OF LINE 02.25	17
18	287					18
19	288	003546	3562	LN0230	/POINTER TO NEXT LINE	19
20	289					20
21	290			DECIMAL	/MAKE IT EASIER	21
22	291					22
23	292	003547	0431	02^128+25	/LINE 02.25	23
24	293					24
25	294			OCTAL	/BACK TO NORMAL	25
26	295					26
27	296	003550	2440	TEXT	\T "LOG, EXP, ATN\	27
28		003551	4214			28
29		003552	1707			29
30		003553	5440			30
31		003554	0530			31
32		003555	2054			32
33		003556	4001			33
34		003557	2416			34
35		003560	0000			35
36	297					36
37	298	*3560		*.-1	/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	37
38	299					38
39	300			/	THIS FORMATTING SEQUENCE CANNOT NORMALLY BE ADDED TO FOCAL STATEMENTS!	39
40	301					40
41	302	003560	4037	SPARROW	/<<SP>, LEFT-ARROW (UNDERSCORE)	41
42	303					42
43	304	003561	7715	"?^100+"M-300	/<<CR>	43
44	305					44
45	306		3562	LN0230= .	/BEGINNING OF LINE 02.30	45
46	307					46
47	308	003562	3601	LN0240	/POINTER TO NEXT LINE	47
48	309					48
49	310			DECIMAL	/MAKE IT EASIER	49
50	311					50
51	312	003563	0436	02^128+30	/LINE 02.30	51
52	313					52
53	314			OCTAL	/BACK TO NORMAL	53
54						54
55						55
56						56
57						57
58						58

1	316	003564	0417	TEXT	\DO 10;IF (RE)2.9,2.4,2.4\	1
2		003565	4061			2
3		003566	6073			3
4		003567	1106			4
5		003570	4050			5
6		003571	2205			6
7		003572	5162			7
8		003573	5671			8
9		003574	5462			9
10		003575	5664			10
11		003576	5462			11
12		003577	5664			12
13		003600	0000			13
14	317					14
15	318		*3600	*.-1	/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	15
16	319					16
17	320	003600	7715	"?^100+"M-300	/ <cr&gt;< td=""><td>17</td></cr&gt;<>	17
18	321					18
19	322		3601	LN0240= .	/BEGINNING OF LINE 02.40	19
20	323					20
21	324	003601	3632	LN0250	/POINTER TO NEXT LINE	21
22	325					22
23	326			DECIMAL	/MAKE IT EASIER	23
24	327					24
25	328	003602	0450	02^128+40	/LINE 02.40	25
26	329					26
27	330			OCTAL	/BACK TO NORMAL	27
28	331					28
29	332	003603	0417	TEXT	\DO 2.2;T "SINE, COSINE\	29
30		003604	4062			30
31		003605	5662			31
32		003606	7324			32
33		003607	4042			33
34		003610	2311			34
35		003611	1605			35
36		003612	5440			36
37		003613	0317			37
38		003614	2311			38
39		003615	1605			39
40		003616	0000			40
41	333					41
42	334		*3616	*.-1	/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	42
43	335					43
44	336		/	THIS FORMATTING SEQUENCE CANNOT NORMALLY BE ADDED TO FOCAL STATEMENTS!		44
45	337					45
46	338	003616	4037	SPARROW	/ <sp&gt;, (underscore)<="" left-arrow="" td=""><td>46</td></sp&gt;,>	46
47						47
48						48
49						49
50						50
51						51
52						52
53						53
54						54
55						55
56						56
57						57
58						58

1	340	003617	4273	TEXT	\";DO 10;IF (RE)2.5;R\	1
2		003620	0417			2
3		003621	4061			3
4		003622	6073			4
5		003623	1106			5
6		003624	4050			6
7		003625	2205			7
8		003626	5162			8
9		003627	5665			9
10		003630	7322			10
11		003631	0000			11
12	341					12
13	342	*3631	*.-1		/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	13
14	343					14
15	344	003631	7715	"?^100+"M-300	/ <cr&gt;< td=""><td>15</td></cr&gt;<>	15
16	345					16
17	346		3632	LN0250= .	/BEGINNING OF LINE 02.50	17
18	347					18
19	348	003632	3642	LN0290	/POINTER TO NEXT LINE	19
20	349					20
21	350			DECIMAL	/MAKE IT EASIER	21
22	351					22
23	352	003633	0462	02^128+50	/LINE 02.50	23
24	353					24
25	354			OCTAL	/BACK TO NORMAL	25
26	355					26
27	356	003634	2340	TEXT	\S XF=-1; R\	27
28		003635	3006			28
29		003636	7555			29
30		003637	6173			30
31		003640	4022			31
32		003641	0000			32
33	357					33
34	358	*3641	*.-1		/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	34
35	359					35
36	360	003641	7715	"?^100+"M-300	/ <cr&gt;< td=""><td>36</td></cr&gt;<>	36
37	361					37
38	362		3642	LN0290= .	/BEGINNING OF LINE 2.90	38
39	363					39
40	364	003642	3650	LN1040	/POINTER TO NEXT LINE	40
41	365					41
42	366			DECIMAL	/MAKE IT EASIER	42
43	367					43
44	368	003643	0532	02^128+90	/LINE 02/90	44
45	369					45
46	370			OCTAL	/BACK TO NORMAL	46
47	371					47
48	372	003644	2340	TEXT	\S XF=0\	48
49		003645	3006			49
50		003646	7560			50
51		003647	0000			51
52	373					52
53	374	*3647	*.-1		/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	53
54	375					54
55	376	003647	7715	"?^100+"M-300	/ <cr&gt;< td=""><td>55</td></cr&gt;<>	55
56						56
57						57
58						58

1	378	3650	LN1040= .	/BEGINNING OF LINE 10.40	1
2	379				2
3	380	003650 3673	LN1045	/POINTER TO NEXT LINE	3
4	381				4
5	382		DECIMAL	/MAKE IT EASIER	5
6	383				6
7	384	003651 2450	10^128+40	/LINE 10.40	7
8	385				8
9	386		OCTAL	/BACK TO NORMAL	9
10	387				10
11	388	003652 0140	TEXT \A RE;I (RE-0YES) 10.5,10.45,10.5\		11
12		003653 2205			12
13		003654 7311			13
14		003655 4050			14
15		003656 2205			15
16		003657 5560			16
17		003660 3105			17
18		003661 2351			18
19		003662 4061			19
20		003663 6056			20
21		003664 6554			21
22		003665 6160			22
23		003666 5664			23
24		003667 6554			24
25		003670 6160			25
26		003671 5665			26
27		003672 0000			27
28	389				28
29	390	*3672	*.-1	/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	29
30	391				30
31	392	003672 7715	"?^100+"M-300	/ <cr&gt;< td=""><td>31</td></cr&gt;<>	31
32	393				32
33	394	3673	LN1045= .	/BEGINNING OF LINE 10.45	33
34	395				34
35	396	003673 3704	LN1050	/POINTER TO NEXT LINE	35
36	397				36
37	398		DECIMAL	/MAKE IT EASIER	37
38	399				38
39	400	003674 2455	10^128+45	/LINE 10.45	39
40	401				40
41	402		OCTAL	/BACK TO NORMAL	41
42	403				42
43	404	003675 4023	TEXT \ SET RE=-1;R\		43
44		003676 0524			44
45		003677 4022			45
46		003700 0575			46
47		003701 5561			47
48		003702 7322			48
49		003703 0000			49
50	405				50
51	406	*3703	*.-1	/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	51
52	407				52
53	408	003703 7715	"?^100+"M-300	/ <cr&gt;< td=""><td>53</td></cr&gt;<>	53
54					54
55					55
56					56
57					57
58					58

1	410	3704	LN1050= .	/BEGINNING OF LINE 10.50	1
2	411				2
3	412	003704 3721	LN1060	/POINTER TO THE NEXT LINE	3
4	413				4
5	414		DECIMAL	/MAKE IT EASIER	5
6	415				6
7	416	003705 2462	10^128+50	/LINE 10.50	7
8	417				8
9	418		OCTAL	/BACK TO NORMAL	9
10	419				10
11	420	003706 1106	TEXT \IF (RE-0NO)10.6,10.8\		11
12		003707 4050			12
13		003710 2205			13
14		003711 5560			14
15		003712 1617			15
16		003713 5161			16
17		003714 6056			17
18		003715 6654			18
19		003716 6160			19
20		003717 5670			20
21		003720 0000			21
22	421				22
23	422	*3720	*.-1	/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	23
24	423				24
25	424	003720 7715	"?^100+"M-300	/ <cr&gt;< td=""><td>25</td></cr&gt;<>	25
26	425				26
27	426	3721	LN1060= .	/BEGINNING OF LINE 10.60	27
28	427				28
29	428	003721 3750	LN1080	/POINTER TO THE NEXT LINE	29
30	429				30
31	430		DECIMAL	/MAKE IT EASIER	31
32	431				32
33	432	003722 2474	10^128+60	/LINE 10.60	33
34	433				34
35	434		OCTAL	/BACK TO NORMAL	35
36					36
37					37
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57					57
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1	436	003723	2440	TEXT	\T !"PLEASE ANSWER 'YES' OR 'NO' ";G 10.4\	1
2		003724	4142			2
3		003725	2014			3
4		003726	0501			4
5		003727	2305			5
6		003730	4001			6
7		003731	1623			7
8		003732	2705			8
9		003733	2240			9
10		003734	4731			10
11		003735	0523			11
12		003736	4740			12
13		003737	1722			13
14		003740	4047			14
15		003741	1617			15
16		003742	4740			16
17		003743	4273			17
18		003744	0740			18
19		003745	6160			19
20		003746	5664			20
21		003747	0000			21
22	437					22
23	438		*3747	*.-1	/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	23
24	439					24
25	440	003747	7715	"?^100+"M-300	/ <cr&gt;< td=""><td>25</td></cr&gt;<>	25
26	441					26
27	442		3750	LN1080= .	/BEGINNING OF LINE 10.80	27
28	443					28
29	444	003750	0000	0000	/NO FURTHER FOCAL STATEMENTS	29
30	445					30
31	446			DECIMAL	/MAKE IT EASIER	31
32	447					32
33	448	003751	2520	10^128+80	/LINE 10.80	33
34	449					34
35	450			OCTAL	/BACK TO NORMAL	35
36	451					36
37	452	003752	2305	TEXT	\SET RE=1;R\	37
38		003753	2440			38
39		003754	2205			39
40		003755	7561			40
41		003756	7322			41
42		003757	0000			42
43	453					43
44	454		*3757	*.-1	/OVER AUTOMATICALLY GENERATED TEXT TERMINATOR	44
45	455					45
46	456	003757	7715	"?^100+"M-300	/ <cr&gt;< td=""><td>46</td></cr&gt;<>	46
47	457					47
48	458		3760	ENDTXT= .	/END OF DIALOGUE TEXT	48
49	459					49
50	460			\$	/THAT'S ALL FOLK!	50
51						51
52						52
53						53
54						54
55						55
56						56
57						57
58						58

1		1
2		2
3	BUFBEQ=3217	3
4	BUFR =0060	4
5	ENDTXT=3760	5
6	FRST =3206	6
7	LASTV =0031	7
8	LN0110=3217	8
9	LN0120=3235	9
10	LN0125=3272	10
11	LN0126=3330	11
12	LN0127=3354	12
13	LN0130=3365	13
14	LN0140=3403	14
15	LN0150=3421	15
16	LN0160=3443	16
17	LN0170=3457	17
18	LN0180=3474	18
19	LN0190=3507	19
20	LN0215=3522	20
21	LN0220=3531	21
22	LN0225=3546	22
23	LN0230=3562	23
24	LN0240=3601	24
25	LN0250=3632	25
26	LN0290=3642	26
27	LN1040=3650	27
28	LN1045=3673	28
29	LN1050=3704	29
30	LN1060=3721	30
31	LN1080=3750	31
32	SPARRO=4037	32
33		33
34		34
35		35
36		36
37		37
38		38
39		39
40		40
41		41
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1		1
2		2
3	NO ERRORS DETECTED	3
4		4
5	NO LINKS GENERATED	5
6		6
7	4K MEMORY UTILIZED	7
8		8
9	1 FILE CREATED	9
10		10
11	30 SYMBOLS	11
12		12
13		13
14		14
15		15
16		16
17		17
18		18
19		19
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1		1
2		2
3		3
4		4
5	00000 00000000 00000000 00000000 01000000 00000000 00000000 10000000 00000000	5
6	00100	6
7		7
8	00200	8
9	00300	9
10		10
11	00400	11
12	00500	12
13		13
14	00600	14
15	00700	15
16		16
17	01000	17
18	01100	18
19		19
20	01200	20
21	01300	21
22		22
23	01400	23
24	01500	24
25		25
26	01600	26
27	01700	27
28		28
29	02000	29
30	02100	30
31		31
32	02200	32
33	02300	33
34		34
35	02400	35
36	02500	36
37		37
38	02600	38
39	02700	39
40		40
41	03000	41
42	03100	42
43		43
44	03200 00000010 00000001 11111111 11112111 11111111 11111111 11111111 12111111	44
45	03300 11111111 11111111 11111112 11111111 11111111 11121111 11112111 11111111	45
46		46
47	03400 11211111 11111111 21111111 11111111 11211111 11111121 11111111 11121111	47
48	03500 11111121 11111111 12111111 21111111 11111211 11111111 21111111 11111111	48
49		49
50	03600 21111111 11111121 11111111 12111111 12111112 11111111 11111111 11211111	50
51	03700 11121111 11111111 21111111 11111111 11111112 11111112 00000000 00000000	51
52		52
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1		1
2		2
3		3
4		4
5	04000	5
6	04100	6
7		7
8	04200	8
9	04300	9
10		10
11	04400	11
12	04500	12
13		13
14	04600	14
15	04700	15
16		16
17	05000	17
18	05100	18
19		19
20	05200	20
21	05300	21
22		22
23	05400	23
24	05500	24
25		25
26	05600	26
27	05700	27
28		28
29	06000	29
30	06100	30
31		31
32	06200	32
33	06300	33
34		34
35	06400	35
36	06500	36
37		37
38	06600	38
39	06700	39
40		40
41	07000	41
42	07100	42
43		43
44	07200	44
45	07300	45
46		46
47	07400	47
48	07500	48
49		49
50	07600	50
51	07700	51
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