

```

PPPPPPPPPPPP      AAAA AAAA      SSSSSSSSSSSS  RRRRRRRRRRRR  TTTTTTTTTTTTTT  LLL
PPPPPPPPPPPP      AAAA AAAA      SSSSSSSSSSSS  RRRRRRRRRRRR  TTTTTTTTTTTTTT  LLL
PPPPPPPPPPPP      AAAA AAAA      SSSSSSSSSSSS  RRRRRRRRRRRR  TTTTTTTTTTTTTT  LLL
PPP              PPP  AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP              PPP  AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP              PPP  AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP              PPP  AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP              PPP  AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP              PPP  AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPPPPPPPPPPP      AAA  AAA  SSSSSSSSSS  RRRRRRRRRRRR  TTT  LLL
PPPPPPPPPPPP      AAA  AAA  SSSSSSSSSS  RRRRRRRRRRRR  TTT  LLL
PPPPPPPPPPPP      AAA  AAA  SSSSSSSSSS  RRRRRRRRRRRR  TTT  LLL
PPP              AAAA AAAA SSS  RRR  RRR  TTT  LLL
PPP              AAAA AAAA SSS  RRR  RRR  TTT  LLL
PPP              AAAA AAAA SSS  RRR  RRR  TTT  LLL
PPP              AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP              AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP              AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP              AAA  AAA  SSS  RRR  RRR  TTT  LLL
PPP              AAA  AAA  SSSSSSSSSS  RRR  RRR  TTT  LLLLLLLLLLLLLLLL
PPP              AAA  AAA  SSSSSSSSSS  RRR  RRR  TTT  LLLLLLLLLLLLLLLL
PPP              AAA  AAA  SSSSSSSSSS  RRR  RRR  TTT  LLLLLLLLLLLLLLLL

```

```

PPPPPPPP      AAAAAA      SSSSSSSS  LL      IIIIII      NN      NN      EEEEEEEEEEE  LL      IIIIII
PPPPPPPP      AAAAAA      SSSSSSSS  LL      IIIIII      NN      NN      EEEEEEEEEEE  LL      IIIIII
PP      PP      AA      AA      SS      LL      II      NN      NN      EE      LL      II
PP      PP      AA      AA      SS      LL      II      NN      NN      EE      LL      II
PP      PP      AA      AA      SS      LL      II      NNNN      NN      EE      LL      II
PP      PP      AA      AA      SS      LL      II      NNNN      NN      EE      LL      II
PPPPPPPP      AA      AA      SSSSSS  LL      II      NN      NN      EEEEEEEEE  LL      II
PPPPPPPP      AA      AA      SSSSSS  LL      II      NN      NN      EEEEEEEEE  LL      II
PP      AAAAAAAAAA      SS      LL      II      NN      NNNN      EE      LL      II
PP      AAAAAAAAAA      SS      LL      II      NN      NNNN      EE      LL      II
PP      AA      AA      SS      LL      II      NN      NN      EE      LL      II
PP      AA      AA      SS      LL      II      NN      NN      EE      LL      II
PP      AA      AA      SSSSSSSS  LLLLLLLLLL  IIIIII      NN      NN      EEEEEEEEEEE  LLLLLLLLLL  IIIIII
PP      AA      AA      SSSSSSSS  LLLLLLLLLL  IIIIII      NN      NN      EEEEEEEEEEE  LLLLLLLLLL  IIIIII

```

```

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
LLLLLLLLLL  IIIIII      SSSSSSSS
LLLLLLLLLL  IIIIII      SSSSSSSS

```

:
:
:

```

1 0001 0 MODULE PASSLINESLIMIT2 ( %TITLE 'LINELIMIT procedure'
2 0002 0 IDENT = '1-001' ! File: PASLINEI.B32 Edit: SBL1001
3 0003 0 ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1 *****
7 0007 1 *
8 0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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25 0025 1 *
26 0026 1 *
27 0027 1 *****
28 0028 1
29 0029 1
30 0030 1 ++
31 0031 1 FACILITY: Pascal Language Support
32 0032 1
33 0033 1 ABSTRACT:
34 0034 1
35 0035 1 This procedure implements the Pascal LINELIMIT procedure.
36 0036 1
37 0037 1 ENVIRONMENT: User mode - AST reentrant
38 0038 1
39 0039 1 AUTHOR: Steven B. Lionel, CREATION DATE: 14-October-1981
40 0040 1
41 0041 1 MODIFIED BY:
42 0042 1
43 0043 1 1-001 - Original. SBL 14-October-1981
44 0044 1 --

```

```
: 46      0045 1 %SBTTL 'Declarations'  
: 47      0046 1 :  
: 48      0047 1 : PROLOGUE DEFINITIONS:  
: 49      0048 1 :  
: 50      0049 1 :  
: 51      0050 1 REQUIRE 'RTLIN:PASPROLOG';           ! Externals, linkages, PSECTs, structures  
: 52      0114 1 :  
: 53      0115 1 :  
: 54      0116 1 : TABLE OF CONTENTS:  
: 55      0117 1 :  
: 56      0118 1 :  
: 57      0119 1 FORWARD ROUTINE  
: 58      0120 1     PAS$LINELIMIT2: NOVALUE;           ! Set linelimit for file  
: 59      0121 1 :  
: 60      0122 1 :  
: 61      0123 1 : MACROS:  
: 62      0124 1 :  
: 63      0125 1 :     NONE  
: 64      0126 1 :  
: 65      0127 1 : EQUATED SYMBOLS:  
: 66      0128 1 :  
: 67      0129 1 :     NONE  
: 68      0130 1 :  
: 69      0131 1 : FIELDS:  
: 70      0132 1 :  
: 71      0133 1 :     NONE  
: 72      0134 1 :  
: 73      0135 1 : OWN STORAGE:  
: 74      0136 1 :  
: 75      0137 1 :     NONE  
: 76      0138 1 :
```

```

: 78      0139 1 %SBTTL 'PASSLINELIMIT2 - Set linelimit for file'
: 79      0140 1 GLOBAL ROUTINE PASSLINELIMIT2 (          ! Set linelimit for file
: 80      0141 1     PFV: REF $PASSPFV FILE_VARIABLE,      ! File variable
: 81      0142 1     LINELIMIT: REF VECTOR [1, LONG],      ! New linelimit
: 82      0143 1     ERROR                                ! Error unwind address
: 83      0144 1     ) : NOVALUE =
: 84      0145 1
: 85      0146 1 ++
: 86      0147 1 FUNCTIONAL DESCRIPTION:
: 87      0148 1
: 88      0149 1     This procedure sets a new limit for the number of lines that may
: 89      0150 1     be written to the specified file. For non-textfiles, each PUT
: 90      0151 1     is considered one line.
: 91      0152 1
: 92      0153 1 CALLING SEQUENCE:
: 93      0154 1
: 94      0155 1     CALL PASSLINELIMIT2 (pfv.mr.r, linelimit.rl.r [, error.j.r])
: 95      0156 1
: 96      0157 1 FORMAL PARAMETERS:
: 97      0158 1
: 98      0159 1     PFV          - The Pascal File Variable (PFV) passed by reference.
: 99      0160 1     The structure of the PFV is defined in PASPFV.REQ.
: 100     0161 1
: 101     0162 1     LINELIMIT   - The new linelimit for the file. A signed longword
: 102     0163 1     integer value. A negative value denotes no limit.
: 103     0164 1
: 104     0165 1     ERROR       - Optional. If specified, the address to unwind to
: 105     0166 1     in case of an error.
: 106     0167 1
: 107     0168 1 IMPLICIT INPUTS:
: 108     0169 1
: 109     0170 1     NONE
: 110     0171 1
: 111     0172 1 IMPLICIT OUTPUTS:
: 112     0173 1
: 113     0174 1     FCB [FCB$L_LINELIMIT]
: 114     0175 1
: 115     0176 1 ROUTINE VALUE:
: 116     0177 1
: 117     0178 1     NONE
: 118     0179 1
: 119     0180 1 SIDE EFFECTS:
: 120     0181 1
: 121     0182 1     NONE
: 122     0183 1
: 123     0184 1 SIGNALLED ERRORS:
: 124     0185 1
: 125     0186 1     FILNOTOPE - file not open
: 126     0187 1
: 127     0188 1 --
: 128     0189 1
: 129     0190 2 BEGIN
: 130     0191 2
: 131     0192 2 LOCAL
: 132     0193 2     FCB: REF $PASSFCB CONTROL_BLOCK, ! File control block
: 133     0194 2     PFV_ADDR: VOLATILE,           ! Enable argument
: 134     0195 2     UNWIND_ACT: VOLATILE,         ! Enable argument

```

```

: 135      0196      2          ERROR_ADDR: VOLATILE;          ! Enable argument
: 136      0197
: 137      0198      2          BUILTIN
: 138      0199      2          ACTUALCOUNT;
: 139      0200
: 140      0201      2          ENABLE
: 141      0202      2          PASS$IO_HANDLER (PFV_ADDR, UNWIND_ACT, ERROR_ADDR);      ! Enable error handler
: 142      0203
: 143      0204      2          IF ACTUALCOUNT () GEQU 3
: 144      0205      2          THEN
: 145      0206      2          ERROR_ADDR = .ERROR;          ! Set unwind address
: 146      0207
: 147      0208      2          !+
: 148      0209      2          ! Set the enable argument for the PFV address.
: 149      0210      2          !-
: 150      0211
: 151      0212      2          PFV_ADDR = PFV [PFV$R_PFV];
: 152      0213
: 153      0214      2          !+
: 154      0215      2          ! Validate and lock the PFV.
: 155      0216      2          !-
: 156      0217
: 157      0218      2          PASS$VALIDATE_PFV (PFV [PFV$R_PFV]; FCB);
: 158      0219
: 159      0220      2          !+
: 160      0221      2          ! Set unwind action to unlock file.
: 161      0222      2          !-
: 162      0223
: 163      0224      2          UNWIND_ACT = PASS$K_UNWIND_UNLOCK;
: 164      0225
: 165      0226      2          !+
: 166      0227      2          ! Resolve lazy lookahead and open INPUT or OUTPUT.
: 167      0228      2          !-
: 168      0229
: 169      0230      2          IF NOT .PFV [PFV$V_VALID]
: 170      0231      2          THEN
: 171      0232      2          PASS$LOOK_AHEAD (PFV [PFV$R_PFV], FCB [FCB$R_FCB]; FCB);
: 172      0233
: 173      0234      2          !+
: 174      0235      2          ! Verify that file is open.
: 175      0236      2          !-
: 176      0237
: 177      0238      2          IF NOT .PFV [PFV$V_OPEN]      ! Not open
: 178      0239      2          THEN
: 179      0240      2          $PASSIO_ERROR (PASS$_FILNOTOPE,0);
: 180      0241
: 181      0242      2          !+
: 182      0243      2          ! Set new linelimit.
: 183      0244      2          !-
: 184      0245
: 185      0246      2          FCB [FCB$L_LINELIMIT] = .LINELIMIT [0];
: 186      0247
: 187      0248      2          !+
: 188      0249      2          ! Indicate successful completion
: 189      0250      2          ! Unlock file and return.
: 190      0251      2          !-
: 191      0252      2

```

PASSLINESLIMIT2
1-001

LINELIMIT procedure
PASSLINESLIMIT2 - Set linelimit for file

K 6
16-Sep-1984 01:43:06
14-Sep-1984 12:51:35

VAX-11 Bliss-32 V4.0-742
[PASRTL.SRC]PASLINESLIMIT2.B32;1

Page 5
(3)

```
: 192      0253  2      FCB [FCB$L_STATUS] = 0;  
: 193      0254  2      PFV [PFV$V_LOCK] = 0;  
: 194      0255  2  
: 195      0256  2      RETURN;  
: 196      0257  2  
: 197      0258  1      END;
```

! End of routine PASSLINESLIMIT2

```
.TITLE PASSLINESLIMIT2 LINELIMIT procedure  
.IDENT \1-001\  
  
.EXTRN PASSLINESLIMIT2, PASS$IO_HANDLER  
.EXTRN PASS$VALIDATE_PFV  
.EXTRN PASS$LOOK_AHEAD  
.EXTRN PASS$SIGNAL, PASSK_FILNOTOPE  
  
.PSECT _PASS$CODE, NOWRT, SHR, PIC, 2
```

```
      00CC 0000C  
SE      08 C2 00002  
      7E D4 00005  
      04 AE 7C 00007  
6D      04 CF DE 0000A  
03      04 6C 91 0000F  
      04 1F 00012  
6E      0C AC D0 00014  
56      04 AC D0 00018 1$:  
08 AE 56 D0 0001C  
      04 AE 00000000G 00 16 00020  
      06 A6 E8 0002A  
OE 07 A6 00000000G 00 16 0002E 2$:  
      7E 00G 7E D4 00039  
      00 00G 8F 9A 0003B  
00000000G 00 02 FB 0003F  
      04 00046  
E0 A7 08 BC D0 00047 3$:  
      D4 A7 D4 0004C  
07 A6 80 8F 8A 0004F  
      04 00054  
      0000 00055 4$:  
50      08 AC D0 00057  
50      04 A0 D0 0005B  
      F4 A0 9F 0005F  
      F8 A0 9F 00062  
      FC A0 9F 00065  
      03 DD 00068  
      5E DD 0006A  
      04 AC 7D 0006C  
00000000G 7E 00 03 FB 00070  
      04 00077
```

```
.ENTRY PASSLINESLIMIT2, Save R2,R3,R6,R7 : 0140  
SUBL2 #8, SP :  
CLRL ERROR_ADDR : 0190  
CLRQ UNWIND_ACT :  
MOVAL 4$, (FP) :  
CMPB (AP), #3 : 0204  
BLSSU 1$ :  
MOVL ERROR, ERROR_ADDR : 0206  
MOVL PFV, R6 : 0212  
MOVL R6, PFV_ADDR :  
JSB PASS$VALIDATE_PFV : 0218  
MOVL #1, UNWIND_ACT : 0224  
BLBS 6(R6), 2$ : 0230  
JSB PASS$LOOK_AHEAD : 0232  
BBS #5, 7(R6), 3$ : 0238  
CLRL -(SP) : 0240  
MOVZBL #PASSK_FILNOTOPE, -(SP) :  
CALLS #2, PASS$SIGNAL :  
RET :  
MOVL @LINELIMIT, -32(FCB) : 0246  
CLRL -44(FCB) : 0253  
BICB2 #128, 7(R6) : 0254  
RET : 0258  
.WORD Save nothing : 0190  
MOVL 8(AP), R0 :  
MOVL 4(R0), R0 :  
PUSHAB ERROR_ADDR :  
PUSHAB UNWIND_ACT :  
PUSHAB PFV_ADDR :  
PUSHL #3 :  
PUSHL SP :  
MOVQ 4(AP), -(SP) :  
CALLS #3, PASS$IO_HANDLER :  
RET :
```

; Routine Size: 120 bytes, Routine Base: _PASS\$CODE + 0000

; 198 0259 1

PASS\$LINELIMIT2 LINELIMIT procedure
1-001 PASS\$LINELIMIT2 - Set linelimit for file

L 6
16-Sep-1984 01:43:06
14-Sep-1984 12:51:35

VAX-11 Bliss-32 V4.0-742
[PASRTL.SRC]PASLINELI.B32;1

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(3)

: 199 0260 1 !<BLF/PAGE>
: 200 0261 1 END
: 201 0262 1
: 202 0263 0 ELUDOM

! End of module PASS\$LINELIMIT2

PSECT SUMMARY

Name Bytes Attributes
_PASS\$CODE 120 NOVEC,NOWRT, RD, EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	0	0	581	00:01.0
_\$255\$DUA28:[PASRTL.OBJ]PASLIB.L32;1	427	90	21	33	00:00.4

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS\$:PASLINELI/OBJ=OBJ\$:PASLINELI MSRC\$:PASLINELI/UPDATE=(ENH\$:PASLINELI)

: Size: 120 code + 0 data bytes
: Run Time: 00:04.8
: Elapsed Time: 00:20.1
: Lines/CPU Min: 3267
: Lexemes/CPU-Min: 9913
: Memory Used: 67 pages
: Compilation Complete

001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	026	027	028	029	030	031	032	033	034	035	036	037	038	039	040	041	042	043	044	045	046	047	048	049	050	051	052	053	054	055	056	057	058	059	060	061	062	063	064	065	066	067	068	069	070	071	072	073	074	075	076	077	078	079	080	081	082	083	084	085	086	087	088	089	090	091	092	093	094	095	096	097	098	099	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
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