

Sym

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RRRRRRRRRR		UUU		UUU	NNN	NNN	00000000	FFFFFFFFFFFF	FFFFFFFFFFFF
RRRRRRRRRR		UUU		UUU	NNN	NNN	00000000	FFFFFFFFFFFF	FFFFFFFFFFFF
RRRRRRRRRR		UUU		UUU	NNN	NNN	00000000	FFFFFFFFFFFF	FFFFFFFFFFFF
RRR	RRR	UUU		UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU		UUU	NNNNNN	NNN	000	FFF	FFF
RRR	RRR	UUU		UUU	NNNNNN	NNN	000	FFF	FFF
RRR	RRR	UUU		UUU	NNNNNN	NNN	000	FFF	FFF
RRRRRRRRRR		UUU		UUU	NNN	NNN	000	FFFFFFFFFFFF	FFFFFFFFFFFF
RRRRRRRRRR		UUU		UUU	NNN	NNN	000	FFFFFFFFFFFF	FFFFFFFFFFFF
RRRRRRRRRR		UUU		UUU	NNN	NNN	000	FFFFFFFFFFFF	FFFFFFFFFFFF
RRR	RRR	UUU		UUU	NNN	NNNNNN	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNNNNN	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNNNNN	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNN	000	FFF	FFF
RRR	RRR	UUUUUUUUUUUUUUUU		UUUUUUUUUUUUUUUU	NNN	NNN	00000000	FFF	FFF
RRR	RRR	UUUUUUUUUUUUUUUU		UUUUUUUUUUUUUUUU	NNN	NNN	00000000	FFF	FFF
RRR	RRR	UUUUUUUUUUUUUUUU		UUUUUUUUUUUUUUUU	NNN	NNN	00000000	FFF	FFF

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FFFFFFFFF      JJ  NN      NN  FFFFFFFFFF  NN      NN      JJ
FFFFFFFFF      JJ  NN      NN  FFFFFFFFFF  NN      NN      JJ
FF            JJ  NN      NN  FF            NN      NN      JJ
FF            JJ  NN      NN  FF            NN      NN      JJ
FF            JJ  NNNN     NN  FF            NNNN     NN      JJ
FF            JJ  NNNN     NN  FF            NNNN     NN      JJ
FFFFFFFFF      JJ  NN  NN  NN  FFFFFFFF     NN  NN  NN      JJ
FFFFFFFFF      JJ  NN  NN  NN  FFFFFFFF     NN  NN  NN      JJ
FF            JJ  NN      NNNN  FF            NN      NNNN  JJ
FF            JJ  NN      NNNN  FF            NN      NNNN  JJ
FF            JJ  NN      NN      FF            NN      NN      JJ
FF            JJ  NN      NN      FF            NN      NN      JJ
FF            JJ  NN      NN      FF            NN      NN      JJ
FF            JJ  NN      NN      FF            NN      NN      JJ
JJJJJJ        JJ  NN      NN      FF            NN      NN      JJ
JJJJJJ        JJ  NN      NN      FF            NN      NN      JJ

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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

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1 0001 0 MODULE fjfnj ( IDENT = 'V04-000'
P ^002 0 %BLISS32[, ADDRESSING_MODE (EXTERNAL = LONG_RELATIVE,
3 0003 0 NONEXTERNAL = LONG_RELATIVE)]
4 0004 0 ) =
5 0005 1 BEGIN
6 0006 1
7 0007 1 *****
8 0008 1 *
9 0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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26 0026 1 *
27 0027 1 *
28 0028 1 *****
29 0029 1
30 0030 1 **
31 0031 1 FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS
32 0032 1
33 0033 1 ABSTRACT:
34 0034 1
35 0035 1 Processes .AUTOFILL, .NO AUTOFILL, .FILL, .JUSTIFY, .NO FILL,
36 0036 1 .NO JUSTIFY, .KEEP, .NO KEEP, .AUTOJUSTIFY, and .NO AUTOJUSTIFY
37 0037 1
38 0038 1 ENVIRONMENT: Transportable
39 0039 1
40 0040 1 AUTHOR: R.W.Friday CREATION DATE: May, 1978
41 0041 1
42 0042 1

```

Revision History

```
: 44      0043 1 %SBTTL 'Revision History'  
: 45      0044 1  
: 46      0045 1   MODIFIED BY:  
: 47      0046 1  
: 48      0047 1       005   RER00005   Ron Randall   07-Mar-1983  
: 49      0048 1       Global edit of all modules. Updated module names, idents,  
: 50      0049 1       copyright dates. Changed require files to BLISS library.  
: 51      0050 1  
: 52      0051 1   --  
: 53      0052 1
```

: Rc

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Module Level Declarations

```
: 55      0053 1 %SBTTL 'Module Level Declarations'  
: 56      0054 1  
: 57      0055 1  
: 58      0056 1 : TABLE OF CONTENTS:  
: 59      0057 1  
: 60      0058 1  
: 61      0059 1 : INCLUDE FILES:  
: 62      0060 1  
: 63      0061 1 LIBRARY 'NXPOR:XPOR';      ! XPORT Library  
: 64      0062 1 REQUIRE 'REQ:RNODEF';    ! RUNOFF variant definitions  
: 65      0193 1  
: 66      U 0194 1 %IF DSRPLUS %THEN  
: 67      U 0195 1 LIBRARY 'REQ:DPLLIB';    ! DSRPLUS BLISS Library  
: 68      0196 1 %ELSE  
: 69      0197 1 LIBRARY 'REQ:DSRLIB';    ! DSR BLISS Library  
: 70      0198 1 %FI  
: 71      0199 1  
: 72      0200 1  
: 73      0201 1 : EXTERNAL REFERENCES:  
: 74      0202 1  
: 75      0203 1 EXTERNAL  
: 76      0204 1     GCA : GCA_DEFINITION,  
: 77      0205 1     SCA : SCA_DEFINITION;  
: 78      0206 1
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80 0207 1 GLOBAL ROUTINE FJNFNJ (HANDLER_CODE) : NOVALUE =
81 0208 1
82 0209 1 !**
83 0210 1 FUNCTIONAL DESCRIPTION:
84 0211 1
85 0212 1     FJNFNJ makes sure that the fill and justification
86 0213 1     modes get set correctly.
87 0214 1     It also controls whether or not empty records get kept when
88 0215 1     in .NO FILL mode.
89 0216 1
90 0217 1 FORMAL PARAMETERS:
91 0218 1
92 0219 1     HANDLER_CODE indicates which command is to be processed
93 0220 1
94 0221 1 IMPLICIT INPUTS:      None
95 0222 1
96 0223 1 IMPLICIT OUTPUTS:     None
97 0224 1
98 0225 1 ROUTINE VALUE:
99 0226 1 COMPLETION CODES:     None
100 0227 1
101 0228 1 SIDE EFFECTS:         None
102 0229 1 --
103 0230 1
104 0231 2 BEGIN
105 0232 2 !SCA_FILL and SCA_JUSTIFY are TRUE for the respective functions.
106 0233 2 !SCA_CROCK is for compatibility with TOPS-10 RUNOFF. Basically,
107 0234 2 !if you say .NO FILL, you "probably" don't want justification
108 0235 2 !any more; on the other hand, when you say .FILL you probably
109 0236 2 !do want justification, assuming you did not say .NO JUSTIFY.
110 0237 2 !In other words, SCA_CROCK is used to remember whether or not you
111 0238 2 !want justification when you say .FILL.
112 0239 2
113 U 0240 2 %IF DSRPLUS %THEN
114 UC 0241 2 !.NO AUTOJUSTIFY will now prevent .HL, CHAPTER, and APPENDIX from
115 UC 0242 2 !resetting fill and justify after their operation.
116 0243 2 %FI
117 0244 2
118 0245 2 SELECTONE .HANDLER_CODE OF
119 0246 2 SET
120 0247 2
121 0248 2 [H_FILL] :
122 0249 2 BEGIN
123 0250 2 SCA_FILL = TRUE;
124 0251 2 SCA_JUSTIFY = .SCA_CROCK;
125 0252 2 SCA_KER = FALSE;
126 0253 2 END;
127 0254 2
128 0255 2 [H_JUSTIFY] :
129 0256 2 BEGIN
130 0257 2 SCA_JUSTIFY = TRUE;
131 0258 2 SCA_CROCK = TRUE;
132 0259 2 END;
133 0260 2
134 0261 2 [H_NO_FILL] :
135 0262 2 BEGIN
136 0263 2 SCA_JUSTIFY = FALSE.

```

!Empty records have no significance.

```

137 G264      SCA_FILL = FALSE;
138 0265      SCA_KEEP = .GCA_KEEP;           !Empty records generate blank lines if user said .KEEP.
139 0266      END;
140 0267
141 0268      [H_NO JUSTIFY] :
142 0269      BEGIN
143 0270      SCA_JUSTIFY = FALSE;
144 0271      SCA_CROCK = FALSE;
145 0272      END;
146 0273
147 0274      [H_KEEP] :
148 0275      BEGIN
149 0276      GCA_KEEP = TRUE;                 !User want's empty records kept in .NO FILL mode
150 0277
151 0278      !Turn on .KEEP mode if already in .NO FILL mode, so the order of the
152 0279      !commands is not important.
153 0280      IF NOT .SCA_FILL
154 0281      THEN
155 0282          SCA_KEEP = TRUE;
156 0283      END;
157 0284
158 0285      [H_NO KEEP] :
159 0286      BEGIN
160 0287      GCA_KEEP = FALSE;                 !Discard empty records in .NO FILL mode
161 0288
162 0289      !Turn off .KEEP mode if already in .NO FILL mode, so the order of the
163 0290      !commands is not important.
164 0291      IF NOT .SCA_FILL
165 0292      THEN
166 0293          SCA_KEEP = FALSE;
167 0294      END;
168 0295
169 0296      [H_AUTOJUSTIFY] :
170 0297      BEGIN
171 0298      GCA_AUTOJUST = TRUE;
172 0299      END;
173 0300
174 0301      [H_NO_AUTOJUSTIF] :
175 0302      BEGIN
176 0303      GCA_AUTOJUST = FALSE;             !This will now affect "autofill" and
177 0304      END;                               !prevent .HL, .CHAPTER, and .APPENDIX from
178 0305      TES;                               !resetting fill and justify after their operation.
179 0306
180 0307      END;                               !End of FJNFNJ

```

```

000C 00000
53 00000000G EF 9E 00002
52 000J0000G EF 9E 00009
50 04 AC D0 00010

```

```

.TITLE FJNFNJ
.IDENT \V04-000\

.EXTRN GCA, SCA

.PSECT $CODE$,NOWRT,2

.ENTRY FJNFNJ, Save R2,R3 : 0207
MOVAB GCA+204, R3
MOVAB SCA+104, R2
MOVL HANDLER_CODE, R0 : 0245

```

00000043	8F		50	D1	00014	CMPL	R0, #67	0248
			08	12	0001B	BNEQ	1\$	
00	B2		01	D0	0001D	MOVL	#1, @SCA+104	0250
FC	B2	08	B2	D0	00021	MOVL	@SCA+112, @SCA+100	0251
			5D	11	00026	BRB	6\$	0252
00000069	8F		50	D1	00028	1\$: CMPL	R0, #105	0255
			09	12	0002F	BNEQ	2\$	
FC	B2		01	D0	00031	MOVL	#1, @SCA+100	0257
08	B2		01	D0	00035	MOVL	#1, @SCA+112	0258
			04	00039	RET			0245
0000007B	8F		50	D1	0003A	2\$: CMPL	R0, #123	0261
			0C	12	00041	BNEQ	3\$	
		FC	B2	D4	00043	CLRL	@SCA+100	0263
		00	B2	D4	00046	CLRL	@SCA+104	0264
1C	B2	00	B3	D0	00049	MOVL	@GCA+204, @SCA+132	0265
			04	0004E	RET			0245
00000094	8F		50	D1	0004F	3\$: CMPL	R0, #148	0268
			07	12	00056	BNEQ	4\$	
		FC	B2	D4	00058	CLRL	@SCA+100	0270
		08	B2	D4	0005B	CLRL	@SCA+112	0271
			04	0005E	RET			0245
0000006A	8F		50	D1	0005F	4\$: CMPL	R0, #106	0274
			0D	12	00066	BNEQ	5\$	
00	B3		01	D0	00068	MOVL	#1, @GCA+204	0276
	31	00	B2	E8	0006C	BLBS	@SCA+104, 9\$	0280
1C	B2		01	D0	00070	MOVL	#1, @SCA+132	0282
			04	00074	RET			0245
00000093	8F		50	D1	00075	5\$: CMPL	R0, #147	0285
			0B	12	0007C	BNEQ	7\$	
		00	B3	D4	0007E	CLRL	@GCA+204	0287
		1C	00	B2	E8	BLBS	@SCA+104, 9\$	0291
			1C	B2	D4	CLRL	@SCA+132	0293
			04	00088	RET			0245
	02		50	D1	00089	7\$: CMPL	R0, #2	0296
			06	12	0008C	BNEQ	8\$	
FF44	D3		01	D0	0008E	MOVL	#1, @GCA+16	0298
			04	00093	RET			0245
00000073	8F		50	D1	00094	8\$: CMPL	R0, #115	0301
			04	12	0009B	BNEQ	9\$	
		FF44	D3	D4	0009D	CLRL	@GCA+16	0303
			04	000A1	9\$: RET			0307

: Routine Size: 162 bytes, Routine Base: \$CODE\$ + 0000

: 181 0308 1
: 182 0309 1 END
: 183 0310 0 ELUDOM

!End of module

PSECT SUMMARY

Name	Bytes	Attributes
------	-------	------------

: \$CODES 162 NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]XPORT.L32;1	590	0	0	252	00:00.2
_\$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32;1	1248	20	1	86	00:00.3

COMMAND QUALIFIERS

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

: Size: 162 code + 0 data bytes
 : Run Time: 00:04.2
 : Elapsed Time: 00:18.1
 : Lines/CPU Min: 4460
 : Lexemes/CPU-Min: 15726
 : Memory Used: 42 pages
 : Compilation Complete

