

XT
VO

```

XX      XX      CCCCCCCC      AAAAAA      SSSSSSSS      EEEEEEEEEEE
XX      XX      CCCCCCCC      AAAAAA      SSSSSSSS      EEEEEEEEEEE
XX      XX      CC      AA      AA      SS      EE
XX      XX      CC      AA      AA      SS      EE
      XX      XX      CC      AA      AA      SS      EE
      XX      XX      CC      AA      AA      SS      EE
      XX      XX      CC      AA      AA      SSSSSS      EEEEEEEEE
      XX      XX      CC      AA      AA      SSSSSS      EEEEEEEEE
      XX      XX      CC      AAAAAAAAAA      SS      EE
      XX      XX      CC      AAAAAAAAAA      SS      EE
      XX      XX      CC      AA      AA      SS      EE
      XX      XX      CC      AA      AA      SS      EE
      XX      XX      CCCCCCCC      AA      AA      SSSSSSSS      EEEEEEEEEEE
      XX      XX      CCCCCCCC      AA      AA      SSSSSSSS      EEEEEEEEEEE

```

```

LL                      IIIIII                      SSSSSSSSS
LL                      IIIIII                      SSSSSSSSS
LL                      II                      SS
LL                      II                      SS
LL                      II                      SS
LL                      II                      SS
LL                      II                      SSSSSSS
LL                      II                      SSSSSSS
LL                      II                      SS
LL                      II                      SS
LL                      II                      SS
LL                      II                      SS
LLLLLLLLLLLLLLLL      IIIIII                      SSSSSSSSS
LLLLLLLLLLLLLLLL      IIIIII                      SSSSSSSSS

```



```
1 0001 0 MODULE XCASE ( IDENT = 'V04-000'
2 0002 0
3 P 0003 0 %BLISS32[
4 P 0004 0 ADDRESSING_MODE(EXTERNAL=LONG_RELATIVE, NONEXTERNAL=LONG_RELATIVE)
5 0005 0 ]
6 0006 0 ) =
7 0007 1 BEGIN
8 0008 1
9 0009 1
10 0010 1 *****
11 0011 1 *
12 0012 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
13 0013 1 * DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
14 0014 1 * ALL RIGHTS RESERVED.
15 0015 1 *
16 0016 1 * THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
17 0017 1 * ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
18 0018 1 * INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER
19 0019 1 * COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
20 0020 1 * OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
21 0021 1 * TRANSFERRED.
22 0022 1 *
23 0023 1 * THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
24 0024 1 * AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
25 0025 1 * CORPORATION.
26 0026 1 *
27 0027 1 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
28 0028 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
29 0029 1 *
30 0030 1 *
31 0031 1 *****
32 0032 1
33 0033 1 ++
34 0034 1 FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS
35 0035 1
36 0036 1 ABSTRACT: Processes the .XLOWER and .XUPPER commands
37 0037 1
38 0038 1
39 0039 1 ENVIRONMENT: Transportable
40 0040 1
41 0041 1 AUTHOR: R.W.Friday CREATION DATE: July, 1980
42 0042 1
```


XCASE
V04-000

Revision History

D 4
16-Sep-1984 01:57:00
14-Sep-1984 13:08:25

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[RUNOFF.SRC]XCASE.BLI;1 Page 2
(2)

:	44	0043	1	%SBTTL 'Revision History'
:	45	0044	1	
:	46	0045	1	MODIFIED BY:
:	47	0046	1	
:	48	0047	1	002 KAD00002 Keith Dawson 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	--

XCASE
V04-000

Module Level Declarations

E 4
16-Sep-1984 01:57:00
14-Sep-1984 13:08:25

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[RUNOFF.SRC]XCASE.BLI;1
Page 3
(3)

```

: 54      0052 1 %SBTTL 'Module Level Declarations'
: 55      0053 1
: 56      0054 1  TABLE OF CONTENTS:
: 57      0055 1
: 58      0056 1
: 59      0057 1
: 60      0058 1  INCLUDE FILES:
: 61      0059 1
: 62      0060 1
: 63      0061 1  LIBRARY 'NXPORT:XPORT';
: 64      0062 1  REQUIRE 'REQ:RNODEF';
: 65      0193 1
: 66      U 0194 1  %IF DSRPLUS %THEN
: 67      U 0195 1  LIBRARY 'REQ:DPLLIB';
: 68      0196 1  %ELSE
: 69      0197 1  LIBRARY 'REQ:DSRLIB';
: 70      0198 1  %FI
: 71      0199 1
: 72      0200 1
: 73      0201 1  MACROS:
: 74      0202 1
: 75      0203 1
: 76      0204 1
: 77      0205 1  EQUATED SYMBOLS:
: 78      0206 1
: 79      0207 1
: 80      0208 1
: 81      0209 1  OWN STORAGE:
: 82      0210 1
: 83      0211 1
: 84      0212 1
: 85      0213 1  EXTERNAL REFERENCES:
: 86      0214 1
: 87      0215 1
: 88      0216 1  EXTERNAL
: 89      0217 1      gca : gca_definition;
```

```

! XPORT Library
! RUNOFF variant definitions

! DSRPLUS BLISS Library

! DSR BLISS Library
```


XCASE
V04-000

Routine XCASE

F 4
16-Sep-1984 01:57:00
14-Sep-1984 13:08:25

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[RUNOFF.SRC]XCASE.BLI;1 Page 4 (4)

```

91 0218 1 %SBTTL 'Routine XCASE'
92 0219 1 GLOBAL ROUTINE XCASE (HANDLER_CODE) : NOVALUE =
93 0220 1
94 0221 1 ++
95 0222 1 FUNCTIONAL DESCRIPTION:
96 0223 1
97 0224 1 See the ABSTRACT, above
98 0225 1
99 0226 1 FORMAL PARAMETERS:
100 0227 1
101 0228 1 HANDLER_CODE indicates which command is to be processed
102 0229 1
103 0230 1 IMPLICIT INPUTS: None
104 0231 1
105 0232 1 IMPLICIT OUTPUTS: None
106 0233 1
107 0234 1 ROUTINE VALUE:
108 0235 1 COMPLETION CODES: None
109 0236 1
110 0237 1 SIDE EFFECTS: None
111 0238 1
112 0239 1 --
113 0240 1
114 0241 2 BEGIN
115 0242 2
116 0243 2 SELECTONE .HANDLER_CODE OF
117 0244 2 SET
118 0245 2
119 0246 2 [H_XLOWER] :
120 0247 3 BEGIN
121 0248 3 !The user said .XLOWER, which means that his file contains a mixture
122 0249 3 !of lower and upper case letters. That is taken to mean that the
123 0250 3 !index entries are already in the correct case. So make sure they
124 0251 3 !stay that way.
125 0252 3
126 0253 3 gca_xcase = leave_case;
127 0254 3 RETURN;
128 0255 3 END;
129 0256 3
130 0257 2 [H_XUPPER] :
131 0258 3 BEGIN
132 0259 3 !This is the default. The user has said .XUPPER, meaning that
133 0260 3 !the index entries were all typed in upper case. Therefore,
134 0261 3 !cause RUNOFF to do some appropriate case conversions for them.
135 0262 3
136 0263 3 gca_xcase = one_cap;
137 0264 3 RETURN;
138 0265 3 END;
139 0266 2
140 0267 2 TES;
141 0268 1 END;

```

!End of XCASE

.TITLE XCASE
.IDENT \V04-000\
.EXTRN GCA


```

                                .PSECT $CODE$,NOWRT,2
                                .ENTRY XCASE, Save nothing
000000CF 50 04 AC D0 00002 MOVL HANDLER CODE, R0 : 0219
8F 50 D1 00006 CMPL R0, #207 : 0243
                                BNEQ 1$ : 0246
                                CLRL @GCA+84 : 0253
000000D1 8F 50 D1 00016 1$ : 0247
                                BNEQ 2$ : 0257
00000000G FF 03 D0 0001F MOVL #3, @GCA+84 : 0263
                                RET : 0268
                                04 00026 2$

```

; Routine Size: 39 bytes, Routine Base: \$CODE\$ + 0000

```

: 142 0269 1
: 143 0270 1 END !End of module
: 144 0271 0 ELUDOM

```

PSECT SUMMARY

Name	Bytes	Attributes
\$CODE\$	39	NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPI,ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
\$255\$DUA28:[SYSLIB]XPORT.L32;1	590	0	0	252	00:00.1
\$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32;1	1248	7	0	86	00:00.3

COMMAND QUALIFIERS

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

```

: Size: 39 code + 0 data bytes
: Run Time: 00:02.5
: Elapsed Time: 00:10.9
: Lines/CPU Min: 6452

```

XCASE
V04-000

Routine XCASE

H 4
16-Sep-1984 01:57:00

VAX-11 Bliss-32 V4.0-742

Page 6

; Lexemes/CPU-Min: 8690
; Memory Used: 20 pages
; Compilation Complete

EXI

Mo

MA

CL

CO

IN

DU

CR

SY

MA

QA

HA

LI

SD

PR

PA

RM

PO

DE

MM

LO

ST

FO

VA

LI

BU

RE

SY

LI

CL

CL

SY

RM

LI

SY

SM

SY

LB

LI

SC

SM

0350 AH-BT13A-SE
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION
CONFIDENTIAL AND PROPRIETARY

