```
RRRRRRRRRRRR      UUU          UUU  NNN        NNN    000000000      FFFFFFFFFFFFFFF   FFFFFFFFFFFFFFF
RRRRRRRRRRRR      UUU          UUU  NNN        NNN    000000000      FFFFFFFFFFFFFFF   FFFFFFFFFFFFFFF
RRRRRRRRRRRR      UUU          UUU  NNN        NNN    000000000      FFFFFFFFFFFFFFF   FFFFFFFFFFFFFFF
RRR       RRR     UUU          UUU  NNN        NNN    000      000    FFF               FFF
RRR       RRR     UUU          UUU  NNN        NNN    000      000    FFF               FFF
RRR       RRR     UUU          UUU  NNN        NNN    000      000    FFF               FFF
RRR       RRR     UUU          UUU  NNNNNN     NNN    000      000    FFF               FFF
RRR       RRR     UUU          UUU  NNNNNN     NNN    000      000    FFF               FFF
RRRRRRRRRRRR      UUU          UUU  NNN  NNN   NNN    000      000    FFFFFFFFFFF       FFFFFFFFFFF
RRRRRRRRRRRR      UUU          UUU  NNN  NNN   NNN    000      000    FFFFFFFFFFF       FFFFFFFFFFF
RRRRRRRRRRRR      UUU          UUU  NNN  NNN   NNN    000      000    FFFFFFFFFFF       FFFFFFFFFFF
RRR   RRR         UUU          UUU  NNN   NNNNNN      000      000    FFF               FFF
RRR    RRR        UUU          UUU  NNN   NNNNNN      000      000    FFF               FFF
RRR     RRR       UUU          UUU  NNN     NNN       000      000    FFF               FFF
RRR      RRR      UUU          UUU  NNN        NNN    000      000    FFF               FFF
RRR       RRR     UUU          UUU  NNN        NNN    000      000    FFF               FFF
RRR        RRR    UUUUUUUUUUUUUUUU  NNN        NNN    000000000      FFF               FFF
RRR        RRR    UUUUUUUUUUUUUUUU  NNN        NNN    000000000      FFF               FFF
RRR        RRR    UUUUUUUUUUUUUUUU  NNN        NNN    000000000      FFF               FFF
```

```
KK      KK   CCCCCCCC
KK      KK   CCCCCCCC
KK      KK  CC
KK      KK  CC
KK    KK    CC
KK   KK     CC
KKKKKK      CC
KKKKKK      CC
KK   KK     CC
KK    KK    CC
KK      KK  CC                 ....
KK      KK  CC                 ....
KK      KK   CCCCCCC           ....
KK      KK   CCCCCCC           ....


RRRRRRRR    EEEEEEEEEE    QQQQQQ
RRRRRRRR    EEEEEEEEEE    QQQQQQ
RR      RR  EE          QQ      QQ
RR      RR  EE          QQ      QQ
RR      RR  EE          QQ      QQ
RR      RR  EE          QQ      QQ
RRRRRRRR    EEEEEEEE    QQ      QQ
RRRRRRRR    EEEEEEEE    QQ      QQ
RR   RR     EE          QQ   QQ QQ
RR    RR    EE          QQ   QQ QQ
RR     RR   EE          QQ      QQ
RR     RR   EE          QQ      QQ
RR      RR  EEEEEEEEEE    QQQQ  QQ
RR      RR  EEEEEEEEEE    QQQQ  QQ
```

! Version: 'V04-000'

```
!**********************************************************************
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```

```
!++
! FACILITY:      DSR (Digital Standard RUNOFF) / DSRPLUS
!
! ABSTRACT:
!       Defines macros for reading a single character from input.
!
! ENVIRONMENT:   Transportable BLISS
!
! AUTHOR:        Rich Friday
!
! CREATION DATE: 1978
!
! MODIFIED BY:
!
!       002     KAD00002        Keith Dawson    07-Mar-1983
!               Global edit of all modules. Updated module names, idents,
!               copyright dates. Changed require files to BLISS library.
!
!--

! KCNS reads a character and advances the cursor. Substitution, as indicated
! by the presence of the Substitute flag, is never performed.
!
MACRO
    kcns()      =
        (IF .fs_length (ira) LEQ 0
        THEN
            BEGIN
            EXTERNAL LITERAL
```

```
            rintes : UNSIGNED (8);
        khar = rintes;
        fs_length (ira) = -1;
        END
    ELSE
        fs_rchar (ira,khar))
    %;

! KCS reads a character; it calls SUBST if the character read is the
! Substitute flag and recognition of the Substitute flag is enabled.
!
MACRO
    kcs( )      =
        BEGIN
        EXTERNAL khar;
        EXTERNAL ROUTINE subst;
        kcns();
!**************Temporarily turned off
        IF tisf (.khar)
        THEN
            subst ();
!**************End of temporarily turned off
        END
    %;

! TISF returns the value TRUE if KHAR contains the Substitute flag, and
! recognition cf the Substitute flag is enabled.
!
MACRO
    tisf (khar) =
        (.flgt [sub_flag,flag_enabled]           ! Recognition of Substitute flag enabled?
            AND
          .sca_flags                             ! Recognition of all flags enabled?
            AND
    (khar EQL .flgt [sub_flag,flag_character])) ! Right character?
    %;

!                   End of KC.REQ
```

CONVRT
REQ

FRMSTK
REQ

GETQSC
REQ

NDXCLI
REQ

NDXRTY
REQ

ECC
REQ

KWITEM
REQ

PHDEF
REQ

RUNTAB
REQ

FLIPRECS
REQ

FNCT
REQ

GNCC
REQ

IFSTK
REQ

LSTOPS
REQ

OUTOPT
REQ

DIGIT
REQ

FSPACK
REQ

NDXXPL
REQ

MAXIMA
REQ

POOL
REQ

RUNHAN
REQ

DMDEFS
REQ

FFDEFS
REQ

GSLUCC
REQ

INDEX
REQ

NDXLIN
REQ

PAGEN
REQ

LETTER
REQ

NMLST
REQ

FOOFIL
REQ

GCA
REQ

MSG
REQ

RNODEF
REQ

DSRLIB
REQ

FLGT
REQ

HCT
REQ

IRAC
REQ

NDXPOL
REQ

PASS
REQ

LODEFS
REQ

NUMPRM
REQ

FOOREC
REQ

MSGTXT
REQ

NBITS
REQ

KC
REQ

PDT
REQ

RNOMAC
REQ

FLIPCHARS
REQ

HLC
REQ

LSTBTS
REQ

OPDEV
REQ