CLD

```
LL          IIIIII  BBBBBBBB  RRRRRRR    AAAAAA   RRRRRRR   IIIIII    AAAAAA   NN      NN
LL          IIIIII  BBBBBBBB  RRRRRRR    AAAAAA   RRRRRRR   IIIIII    AAAAAA   NN      NN
LL            II    BB    BB  RR    RR  AA    AA  RR    RR    II    AA    AA   NN      NN
LL            II    BB    BB  RR    RR  AA    AA  RR    RR    II    AA    AA   NNNN    NN
LL            II    BB    BB  RR    RR  AA    AA  RR    RR    II    AA    AA   NNNN    NN
LL            II    BBBBBBBB  RRRRRRR   AA    AA  RRRRRRR     II    AA    AA   NN  NN  NN
LL            II    BBBBBBBB  RRRRRRR   AA    AA  RRRRRRR     II    AA    AA   NN  NN  NN
LL            II    BB    BB  RR  RR    AAAAAAAAA RR  RR      II    AAAAAAAAA  NN    NNNN
LL            II    BB    BB  RR  RR    AAAAAAAAA RR  RR      II    AAAAAAAAA  NN    NNNN
LL            II    BB    BB  RR    RR  AA    AA  RR    RR    II    AA    AA   NN      NN
LL            II    BB    BB  RR    RR  AA    AA  RR    RR    II    AA    AA   NN      NN
LLLLLLLLLL  IIIIII  BBBBBBBB  RR    RR  AA    AA  RR    RR  IIIIII  AA    AA   NN      NN
LLLLLLLLLL  IIIIII  BBBBBBBB  RR    RR  AA    AA  RR    RR  IIIIII  AA    AA   NN      NN

    CCCCCCCC  LL          DDDDDDDD
    CCCCCCCC  LL          DDDDDDDD
CC            LL          DD    DD
CC            LL          DD    DD
CC            LL          DD    DD
CC            LL          DD    DD
CC            LL          DD    DD
CC            LL          DD    DD
CC            LL          DD    DD
CC            LL          DD    DD
CC            LL          DD    DD
    CCCCCCCC  LLLLLLLLLL  DDDDDDDD
    CCCCCCCC  LLLLLLLLLL  DDDDDDDD
```

E.10

```
! Version:        'V04-000'

!     V03-008 GJA0092         Greg Awdziewicz       25-Jul-1984
!                - Reverse the nonnegatable mistake. Only qualifiers
!                which require values should be nonnegatable.
!
!     V03-007 MCN0143         Maria del C. Nasr     29-Jun-1984
!                Make nonnegatable, qualifiers that should be so. Add
!                the /DATA qualifier with keywords EXPAND and COMPRESS
!                to do the data reduction work.  Eliminate REDUCE
!                option from /COMPRESS.
!
!     V03-006 JWT0124         Jim Teague            16-Jun-1983
!                /EXTRACT requires a value; /ONLY doesn't necessarily
!                need /LIST.
!
!     V03-005 JWT0120         Jim Teague            18-May-1983
!                Remove some disallow clauses.
!
!     V03-004 JWT0103         Jim Teague            06-Apr-1983
!                Mutual exclusion final touches to new cli interface.
!                Remove prefixes and outputs; squeeze becomes default
!                as stated by documentation.
!
!     V03-003 PCA1008         Paul C. Anagnostopoulos 10 Feb 1983
!                Merge the outputs list for DCL and MCR, because the CDU no
!                longer supports different lists.
!
!     V03-002 JWT0060         Jim Teague            20-Oct-1982
!                Need to rearrange the new reduce keyword.
!
!     V03-001 JWT0056         Jim Teague            19-Oct-1982
!                Add REDUCE keyword to /COMPRESS qualifier.
!
define syntax library_only
        parameter p1,prompt="Library",value(required,type=$infile)


define syntax optional_files
        parameter p1,prompt="Library",value(required,type=$infile)
        parameter p2,prompt="File",value(list,impcat,type=$infile)


define syntax library_using_lbr
        image backtrans

define type create_options
        keyword blocks,          value(required)
        keyword globals,         value(required)
        keyword modules,         value(required)
        keyword keysize,         value(required)
        keyword history,         value(required)
        keyword version,         value(required)

define type compress_options
```

```
        keyword blocks,         value(required)
        keyword globals,        value(required)
        keyword modules,        value(required)
        keyword keysize,        value(required)
        keyword history,        value(required)
        keyword version,        value(required)
        keyword keep

define type cross_options
        keyword all
        keyword module
        keyword none
        keyword symbol
        keyword value

define type data_options
        keyword reduce
        keyword expand

define verb library
        image librarian
        parameter p1,prompt="Library",value(required,type=$infile)
        parameter p2,prompt="File",value(required,list,impcat,type=$infile)
        qualifier compress,     value(list,type=compress_options),
                                syntax=library_only
        qualifier create,       value(list,type=create_options),
                                syntax=optional_files
        qualifier data,         value(required,type=data_options),
                                syntax=library_only,nonnegatable
        qualifier delete,       value(required,list),
                                syntax=optional_files,nonnegatable
        qualifier extract,      value(required,list),
                                syntax=library_only,nonnegatable
        qualifier insert
        qualifier list,         value(type=$outfile),
                                syntax=optional_files
        qualifier remove,       value(required,list),
                                syntax=optional_files,nonnegatable
        qualifier replace
        qualifier macro
        qualifier object
        qualifier output,       value(type=$outfile),default
        qualifier names
        qualifier full
        qualifier globals,      default
        qualifier rsx11,        syntax=library_using_lbr
        qualifier selective_search
        qualifier squeeze,      default
        qualifier log
        qualifier width,        value(required),nonnegatable
        qualifier cross_reference,value(list,type=cross_options),
                                syntax=library_only
        qualifier only,         value(required,list)
        qualifier help
        qualifier text
        qualifier modules,      value(required,list),placement=local
```

```
        qualifier share
        qualifier history
        qualifier before,        value(default=today, type=$datetime)
        qualifier since,         value(default=today, type=$datetime)
        disallow ( extract and ( compress or create or delete or insert or
                                 list or remove or replace or names or
                                 full or globals or selective_search or
                                 squeeze or cross_reference or width ) )
        disallow ( compress and create )
        disallow ( cross_reference and ( list or macro or help or text or
                                 before or since or history ) )
        disallow ( any2 ( help , share , text , macro , object ) )
        disallow ( ( full or names or history or before or since )
                   and not list )
        disallow ( ( remove or names or globals ) and
                   ( text or help or macro ) )
```

BACKUP CLD

DCLTABLES CLD

DISMOUNT CLD

ENCRYPT CLD

REPLY CLD

CLD

CREATE CLD

MCRINT CLD

SET CLD

DCLTABLES MAP

DEF CLD

DMO CLD

LIBRARIAN CLD

PASCAL CLD

RUN CLD

ACC CLD

BAD CLD

DCLINT CLD

DELETE CLD

DUMP CLD

EXCHANGE CLD

MCRTABLES CLD

PATCH CLD

CHECKSUM CLD

ANALYZE CLD

EDIT CLD

FORTRAN CLD

LINK CLD

MESSAGE CLD

PHONE CLD

CLISYM1 CLD

MCRSET CLD

RUNOFF CLD

PSECTS R32

DIFF CLD

MONITOR CLD

RECOVER CLD

MCRTABLES MAP

CONVERT CLD

HELP CLD

MACRO CLD

DIRECTORY CLD

SDL CLD

JNLUSR MAR

COPY CLD

EDT CLD

INIT CLD

MOUNT CLD

RENAME CLD

MAIL CLD

SEARCH CLD