

CCCCCCCCCCCC	LLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLL	DDDDDDDDDD	
CCC	LLL	DDD	DDD
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CCC	LLL	DDD	DDD
CCC	LLL	DDD	DDD
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	DDDDDDDDDD	

```

LL      IIIIII  BBBB BBBB  RRRRRRRR  AAAAAA  RRRRRRRR  IIIIII  AAAAAA  NN      NN
LL      IIIIII  BBBB BBBB  RRRRRRRR  AAAAAA  RRRRRRRR  IIIIII  AAAAAA  NN      NN
LL      II      BB      BB  RR      RR  AA      AA  RR      RR  II      II  AA      AA  NN      NN
LL      II      BB      BB  RR      RR  AA      AA  RR      RR  II      II  AA      AA  NN      NN
LL      II      BB      BB  RR      RR  AA      AA  RR      RR  II      II  AA      AA  NN      NN
LL      II      BB      BB  RR      RR  AA      AA  RR      RR  II      II  AA      AA  NN      NN
LL      II      BB      BB  RR      RR  AA      AA  RR      RR  II      II  AA      AA  NN      NN
LL      II      BB      BB  RR      RR  AA      AA  RR      RR  II      II  AA      AA  NN      NN
LL      II      BB      BB  RR      RR  AA      AA  RR      RR  II      II  AA      AA  NN      NN
LL      II      BB      BB  RR      RR  AA      AA  RR      RR  II      II  AA      AA  NN      NN
LLLLLLLLLL  IIIIII  BBBB BBBB  RRRRRRRR  AAAAAA  RRRRRRRR  IIIIII  AAAAAA  NN      NN
LLLLLLLLLL  IIIIII  BBBB BBBB  RR      RR  AA      AA  RR      RR  IIIIII  AAAAAA  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

```

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	LIBRARIAN CLD	MCRINT CLD	REPLY CLD	SET CLD	
CLD	CREATE CLD	DEF CLD	DNO CLD	LIBRARIAN CLD	MCRINT CLD	PASCAL CLD	RUN CLD	
DCLTABLES MAP	ACC CLD	BAD CLD	DCLINT CLD	DELETE CLD	DUMP CLD	EXCHANGE CLD	MCTABLES CLD	PATCH CLD
CHECKSUM CLD	ANALYZE CLD	CLISYMI CLD	DIFF CLD	EDIT CLD	FORTRAN CLD	LINK CLD	MESSAGE CLD	PHONE CLD
PSECTS R32	MCTABLES MAP	CONVERT CLD	DIRECTORY CLD	HELP CLD	MACRO CLD	MCRSET CLD	MONITOR CLD	RECOVER CLD
JNLUSR MAR	COPY CLD	EDT CLD	INIT CLD	MOUNT CLD	RENAME CLD	SDL CLD	SEARCH CLD	