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SSSSSS   00      00 RRRRRRRR TT
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CCCCCCCC LL DDDDDDDD
CC        LL DD      DD
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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
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```
!
! Version:      'V04-000'
!
module sortmerge
define type sort_key
keyword position,value(required,type=$number)
keyword size,value(required,type=$number)
keyword number,value(required,type=$number)
keyword binary
keyword character
keyword decimal
keyword d_floating
keyword f_floating
keyword g_floating
keyword h_floating
keyword packed_decimal
keyword zoned
keyword signed
keyword unsigned
keyword leading_sign
keyword trailing_sign
keyword overpunched_sign
keyword separate_sign
keyword ascending
keyword descending
!! keyword dtype,value(required)

define type sort_type
keyword address
keyword index
keyword record
keyword tag

define type record_format
keyword fixed,          value(type=$number)
keyword variable,      value(type=$number)
keyword controlled,    value(type=$number)
keyword size,          value(required,type=$number)
keyword block_size,    value(required,type=$number)
keyword record_size,   value(type=$number)
keyword file_size,     value(type=$number)

define type collating_type
keyword ascii
keyword ebcdic
keyword multinational

define syntax sort_using_srt
image backtrans

define verb sort
image sortmerge
prefix cli$k_sort
parameter p1,prompt="Input",value(required,list,type=$infile)
parameter p2,prompt="Output",value(required,type=$outfile)
```

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qualifier process,      value(required,type=sort_type)
qualifier key,          value(required,list,type=sort_key)
qualifier zzzz,
qualifier work_files,  value(type=$number), default
qualifier specification,value(type=$infile)
qualifier rsx11,       syntax=sort_using_srt
qualifier format,      value(required,list,type=record_format),
                        placement=local
qualifier bucket_size, value(required,type=$number),
                        placement=positional
qualifier allocation,  value(required,type=$number),
                        placement=positional
qualifier block_size,  value(required,type=$number),placement=local,
                        syntax=sort_using_srt
qualifier contiguous,  placement=positional
qualifier device,      value(required,type=$device),
                        syntax=sort_using_srt
qualifier indexed_sequential,value(type=$number),placement=positional
qualifier relative,    placement=positional
qualifier sequential,  placement=positional
qualifier overlay,     placement=local
qualifier stable,
qualifier statistics,
qualifier load_fill,   placement=local
qualifier collating_sequence value(required,type=collating_type)
qualifier duplicates, default !!,value
qualifier check_sequence

```

```
define verb merge
```

```

image sortmerge
prefix cli$K_merg
parameter p1,prompt="Input",value(required,list,type=$infile)
parameter p2,prompt="Output",value(required,type=$outfile)
qualifier process,      value(required,type=sort_type)
qualifier key,          value(required,list,type=sort_key)
qualifier zzzz,
qualifier work_files,  value(type=$number)
qualifier specification,value(type=$infile)
qualifier zzyy,
qualifier format,      value(required,list,type=record_format),
                        placement=local
qualifier bucket_size, value(required,type=$number),
                        placement=positional
qualifier allocation,  value(required,type=$number),
                        placement=positional
qualifier block_size,  value(required,type=$number),placement=local
                        syntax=sort_using_srt
qualifier contiguous,  placement=positional
qualifier zzzx,
qualifier indexed_sequential,value(type=$number),placement=positional
qualifier relative,    placement=positional
qualifier sequential,  placement=positional
qualifier overlay,     placement=local
qualifier stable
qualifier statistics
qualifier load_fill,   placement=local

```

qualifier collating_sequence,value(required,type=collating_type)
qualifier duplicates, default !!,value
qualifier check_sequence, default

