```
.
. This is an example of a SIC/XE program form "System Software, An Intorduction
. to System Programming, 3rd Edition" by Leland L. Beck, p.55, Addison Wesley
. Longman.
.
COPY      START    0
FIRST     STL      RETADR
          LDB      #LENGTH
          BASE     LENGTH
CLOOP     +JSUB    RDREC
          LDA      LENGTH
          COMP     #0
          JEQ      ENDFIL
          +JSUB    WRREC
          J    CLOOP
ENDFIL    LDA      EOF
          STA      BUFFER
          LDA      #3
          STA      LENGTH
          +JSUB    WRREC
          J    @RETADR
EOF   BYTE    C'EOF'
RETADR    RESW     1
LENGTH    RESW     1
BUFFER    RESB     4096
.
.    SUBROUTINE TO READ RECORD INTO BUFFER
.
RDREC     CLEAR    X
          CLEAR    A
          CLEAR    S
          +LDT     #4096
RLOOP     TD   INPUT
          JEQ      RLOOP
          RD   INPUT
          COMPR    A,S
          JEQ      EXIT
          STCH     BUFFER,X
          TIXR     T
          JLT      RLOOP
EXIT      STX      LENGTH
          RSUB
INPUT     BYTE     X'F1'
.
.    SUBROUTINE TO WRITE RECORD FROM BUFFER
.
WRREC     CLEAR    X
          LDT      LENGTH
WLOOP     TD   OUTPUT
          JEQ      WLOOP
          LDCH     BUFFER,X
          WD   OUTPUT
          TIXR     T
          JLT      WLOOP
          RSUB
OUTPUT    BYTE     X'05'
END   FIRST
```

```
HCOPY  000000001077
T0000001D17202D69202D4B1010360320262900003320074B10105D3F2FEC032010
T00001D130F20160100030F200D4B10105D3E2003454F46
T0010361DB410B400B44075101000E32019332FFADB2013A00433200857C003B850
T0010531D3B2FEA1340004F0000F1B410774000E32011332FFA53C003DF2008B850
T001070073B2FEF4F000005
M00000705
M00001405
M00002705
E000000
```

```
DEMO     START    0F0000
     RESW    100
L1  +COMP    L7
     RESW    500
     BYTE    X'CC'
L2   J    L4
     RESB    537
L3   JEQ      L1
     RESB    1507
L4   JLT      #L3
    +LDB      L5
     BASE    #L5
     JSUB    #L6
     LDA     #L5
     BYTE     C'012345'
     RESW     681
L5   RESW     1365
L6   RESB     55523
L7   BYTE     C'~!@#$%^&*()_+|'
     RESB     1
END   DEMO
```

```
HDEMO  0F000010000E
T0F012C042B1FFFFF
T0F070C04CC3F27FF
T0F092903332800
T0F0F0F13392A176B1F171D494FFF014000303132333435
T0FFFFF0E7E21402324255E262A28295F2B7C
T10000E00
M0F012D05
M0F0F1305
E0F0000
```