

```

                                errorsource.txt
ERROR      NOSTART    1000      COPY FILE FROM INPUT TO OUTPUT
FIRST     STL        RETADR     SAVE RETURN ADDRESS
CLOOP     JSUB       RDREC      READ INPUT RECORD
                                LDA        LENGTH      TEST FOR EOF (LENGTH = 0)
                                COMP       ZERO
                                JEQ        ENDFIL      EXIT IF EOF FOUND
                                JSUB       WRREC      WRITE OUTPUT RECORD
                                J          CLOOP      LOOP
1L3G4L    LDA        EOF        INSERT END OF FILE MARKER
                                STA        BUFFER
                                LDA        THREE      SET LENGTH = 3
                                STA        LENGTH
                                JSUB       WRREC      WRITE EOF
                                LDL        RETADR      GET RETURN ADDRESS
                                RSUB        RETURN TO CALLER

ERRORR     BYTE      XF1'
DUPLICATE  WORD      3
ZERO      WORD      0
RETADR    RESW      1
LENGTH    RESW      2              LENGTH OF RECORD
BUFFER     RESB     4096          4096-BYTE BUFFER AREA
.
.      SUBROUTINE TO READ RECORD INTO BUFFER
.
RDREC     LDX        ZERO        CLEAR LOOP COUNTER
                                LDA        ZERO        CLEAR A TO ZERO
RLOOP     TD         INPUT      TEST INPUT DEVICE
                                JEQ        RLOOP      LOOP UNTIL READY
                                RD         INPUT      READ CHARACTER INTO REGISTAR A
                                COMP       ZERO        TEST FOR END OF RECORD (X'00')
                                JEQ        EXIT      EXIT LOOP IF EOF
                                STCH       BUFFER,X    STORE CHARCTER IN BUFFER
                                TIX        MAXLEN      LOOP UNLESS MAX LENGTH
                                JLT        RLOOP      HAS BEEN REACHED
EXIT      STX        LENGTH      SAVE RECORD LENGTH
                                RSUB        RETURN TO CALLER
ERRORR     BYTE      Y'F1'      CODE FOR INPUT DEVICE
MAXLEN     WORD      4096
.
.      SUBROUTINE TO WRITE RECORD FROM BUFFER
.
DUPLICATE  LDX        ZERO        CLEAR LOOP COUNTER
WLOOP     TD         OUTPUT      TEST OUTPUT DEVICE
                                JEQ        WLOOP      LOOP UNTIL READY
                                LDCH       BUFFER,X    GET CHARCTER FROM BUFFER
                                WD         OUTPUT      WRITE CHARACTER
                                TIX        LENGTH      LOOP UNTIL ALL CHARACTERS
                                JLT        WLOOP      HAVE BEEN WRITTEN

```

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                                errorsource.txt
                                RESB    4096
TOOLONG                        RESB    4096
                                RESUB
OUTPUT  BYTE  X'05'            RETURN TO CALLER
                                CODE FOR OUTPUT DEVICE
                                END      FIRST
```