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; RunRom
;
; Run ROM images in TDOS and CP/M on the
; Coleco Adam
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; Flow:
;
; 1. Copy the 32K ROM to 8000H - this will overwrite CP/M.
; 2. Copy the bank switching and run routines (OC) to top of RAM.
;    We will assume that there is no code up there (32K ROMS
;    will get some code overwritten).
; 3. Jump to OC.
; 4. Switch in the OS7 Colecovision ROM in the lower 32K and then
;    jump to 8000H to run the ROM.

ROM    .equ    6000H

        .org    0100H
        ld      bc,ROM                ; Size of ROM to copy
        ld      de,8000H              ; Start of ROM upper bank
        ld      hl,ROMStart           ; Where the ROM is now
        ldir                                ; Copy all of the data

        ld      bc,JLEN               ; Length of our run code
        ld      de,JDEST              ; Destination to put our code
        ld      hl,JumpCode           ; Where the run code is now
        ldir                                ; Copy the code
        jp      JDEST                 ; Go execute the code

JumpCode:
        ld      a,3                   ; Set lower 32K bank to OS7
                                           ; and upper 32K to RAM
        out    (07fh),a              ; Set the banks
        jp      8000H                ; Run the rom

JumpCodeEnd:

ROMStart:

        .end

JLEN    .equ    (JumpCodeEnd - JumpCode)
JDEST   .equ    0FFFFH - JLEN

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