Patrícia Dias dos Santos, RA: 11035306

Relógio Digital

SEG DATA BYTE
MIN DATA BYTE
HORA DATA BYTE
CLOCK DATA BYTE

MOVE SEG, 0
MOVE MIN, 0
MOVE HORA, 0

LOOP:
      OUT F001, HORA
      OUT F002, MIN
      OUT F003, SEG

      IN F000, CLOCK
      ADD SEG, 1
      CMP SEG, 61
      JZ SOMAMIN

      JMP LOOP

SOMAMIN:
      MOVE SEG, 0
      ADD MIN, 1
      CMP MIN, 61
      JZ SOMAHORA
      JMP LOOP

SOMAHORA:
      MOVE MIN, 0
      ADD HORA, 1
      JMP LOOP