```
EXAM_PREP_1 [NUMBERS]
START := 0x01
50 := 0x02
S1 := 0x04
LEDS := 0 \times 0 F
D_TIME := 500
DDRA := DDRA and not(START or S0 or S1)
DDRC := DDRC or LEDS
  while not(PINA and START)
    nop
  while PINA and START
    nop
  wait D_TIME
  while not(PINA and START)
    nop
  while PINA and START
     _SO := PINA and SO
     _S1 := PINA and S1
                       not _S0 and not _S1
    ٧
                                      not _S0 and _S1
    PORTC := 0 \times 01
                     ٧
                                                                                 F
                                                   _S0 and not _S1
                     PORTC := 0 \times 03
                                                                     SO and S1/
                                       PORTC := 0 \times 07
                                                                                F
                                                        PORTC := 0 \times 0 F
                                                                              nop
   PORTC := 0 \times 00
```