Lab task solution:

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| --- |
| .data  .equ LED,0xff200020  .text  .global \_start  \_start:  ldr r0,=LED  mov r2,#2  @display 2021771  loop:  @2  ldr r1,=0b010110110000000000000000  str r1,[r0]    @0  ldr r1,=0b010110110011111100000000  str r1,[r0]    @2  ldr r1,=0b010110110011111101011011  str r1,[r0]    @2  ldr r1,=0b000000000000000000000000  str r1,[r0]  sub r2,#1  cmp r2,#0  beq exit  b loop  exit:  b exit |