[I4\_M, 4 boda ] Koristeći sedam segmentni display izbrojite do od 1-5 sa kratkom petljom koja će omogućiti da između brojki postoji vremenski razmak.

1.

.global \_start

.section .data

display\_data:

.word 0x06, 0x5B, 0x4F, 0x66, 0x6D

delay\_time:

.word 500000000

.section .text

\_start:

ldr r0, =0xFF200020

ldr r1, =0x6

str r1, [r0]

mov r2, #0

ldr r3, =5

mov r5,#0

b \_delay

loop:

add r2, r2, #1

cmp r2, r3

beq \_stop

ldr r1, =display\_data

ldr r4, [r1, r2, LSL #2]

str r4, [r0]

mov r5,#0

\_delay:

add r5,r5,#1

cmp r5,#1024000

bne \_delay

b loop

\_stop:

b \_stop

[I4\_M, 4 boda ] Koristeći sedam segmentni display ispišite samo neparne brojeve sa kratkom petljom koja će omogućiti da između brojki postoji vremenski razmak.

2.

.global \_start

.section .data

display\_data:

.word 0x06, 0x5B, 0x4F, 0x66, 0x6D, 0x7D, 0x07, 0x7F, 0x6F

delay\_time:

.word 500000000

.section .text

\_start:

ldr r0, =0xFF200020

ldr r1, =0x6

str r1, [r0]

mov r2, #0

ldr r3, =10

mov r5,#0

b \_delay

loop:

add r2, r2, #2

cmp r2, r3

beq \_stop

ldr r1, =display\_data

ldr r4, [r1, r2, LSL #2]

str r4, [r0]

mov r5,#0

\_delay:

add r5,r5,#1

cmp r5,#1024000

bne \_delay

b loop

\_stop:

b \_stop

[I4\_M, 4 boda ] Koristeći sedam segmentni display ispišite samo parne brojeve sa kratkom petljom koja će omogućiti da između brojki postoji vremenski razmak.

3.

.global \_start

.section .data

display\_data:

.word 0x06, 0x5B, 0x4F, 0x66, 0x6D, 0x7D, 0x07, 0x7F, 0x6F

delay\_time:

.word 500000000

.section .text

\_start:

ldr r0, =0xFF200020

ldr r1, =0x5B

str r1, [r0]

mov r2, #1

ldr r3, =9

mov r5,#0

b \_delay

loop:

add r2, r2, #2

cmp r2, r3

beq \_stop

ldr r1, =display\_data

ldr r4, [r1, r2, LSL #2]

str r4, [r0]

mov r5,#0

\_delay:

add r5,r5,#1

cmp r5,#1024000

bne \_delay

b loop

\_stop:

b \_stop

[I4\_M, 4 boda ] Koristeći sedam segmentni display izbrojite od 1-9 ali na drugom mjestu zdesna uz dodanu kratku petlju koja će omogućiti da između brojki postoji vremenski razmak. (hint: LSL)

.global \_start

.section .data

display\_data:

.word 0x06, 0x5B00, 0x4F00, 0x6600, 0x6D00, 0x7D00, 0x0700, 0x7F00, 0x6F00

delay\_time:

.word 500000000

.section .text

\_start:

ldr r0, =0xFF200020

ldr r1, =0x0600

str r1, [r0]

mov r2, #0

ldr r3, =9

mov r5,#0

b \_delay

loop:

add r2, r2, #1

cmp r2, r3

beq \_stop

ldr r1, =display\_data

ldr r4, [r1, r2, LSL #2]

str r4, [r0]

mov r5,#0

\_delay:

add r5,r5,#1

cmp r5,#1024000

bne \_delay

b loop

\_stop:

b \_stop

[I4\_M, 4 boda ] Koristeći sedam segmentni display izbrojite od 9-1 ali na drugom mjestu zdesna uz dodanu kratku petlju koja će omogućiti da između brojki postoji vremenski razmak. (hint: LSL)

.global \_start

.section .data

display\_data:

.word 0x0600, 0x5B00, 0x4F00, 0x6600, 0x6D00, 0x7D00, 0x0700, 0x7F00, 0x6F00

delay\_time:

.word 500000000

.section .text

\_start:

ldr r0, =0xFF200020

ldr r1, =0x6F00

str r1, [r0]

mov r2, #8

ldr r3, =-1

mov r5,#0

b \_delay

loop:

add r2, r2, #-1

cmp r2, r3

beq \_stop

ldr r1, =display\_data

ldr r4, [r1, r2, LSL #2]

str r4, [r0]

mov r5,#0

\_delay:

add r5,r5,#1

cmp r5,#1024000

bne \_delay

b loop

\_stop:

b \_stop