[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