Trabalho Arquitetura de Computadores:

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Programa 1:

Assembly:

addi t0, x0, 10

addi t1, x0, 20

addi t2, x0, 0xA2

slli t2,t2,12

addi t2,t2,1067

addi t2,t2, 2047

add t0, t0, t1

add t0,t0,t2

Hexadecimal:

0x00A00293

0x01400313

0x0A200393

0x00C39393

0x42B38393

0x7FF38393

0x006282B3

0x007282B3

Programa 2:

Assembly:

```
addi t0, x0, 10
addi t1, x0, 20

add t3, t0, t1
sw t3, 0(x0)

lw t2, 0(x0)
addi t2, t2, 10

addi t4, x0, 10
slli t5, t4, 2
beq t2, t5, igual
addi t2, t2, 20
sw t2, 4(x0)
beq x0, x0, fim

igual:
    addi t2, t2, 10
```

```
    sw t2, 4(x0)
fim:
```

Hexadecimal:

0x00A00293

0x01400313

0x00628E33

0x01C02023

0x00002383

0x00A38393

0x00A00E93

0x002E9F13

0x01E38863

0x01438393

0x00702223

0x00000663

0x00A38393

0x00702223

Programa 3:

Assembly:

```
addi t0, x0, 0
```

```
addi t1, x0, 100
addi t2, x0, 0
loop:
    slli t3, t0, 1
    sw t3, 0(t2)
    addi t0, t0, 1
    addi t2, t2, 1
    beq t0, t1, fim
    beq x0, x0, loop
fim:
    beq x0, x0, fim
```

Hexadecimal:

0x00000293

0x06400313

0x00000393

0x00129E13

0x01C3A023

0x00128293

0x00138393

0x00628463

0xFE0006E3

0x00000063