

Exercicio 4

Tags

Código Assembly:

```
.data                                # 0x10010000
X1:  .ascii "TEST1"                 #
      .align 2                      #
X2:  .space 20                       #
X3:
      .text                          # 0x00400000
      .globl main
main: la $t4,X2                      # 0x10010008
      ori $t5,$0,4                  # 0x00000004
      xor $t0,$t0,$t0               # 0x00000000
      xor $t1,$t1,$t1               # 0x00000000
L1:  beq $t0,$t5,L2                 #
      add $t2,$t0,$t0               # 0x00000000|0x00000002|0x00000004|0x00000006
      add $t3,$t2,$t2               # 0x00000000|0x00000004|0x00000008|0x0000000c
      addu $t3,$t3,$t4              # 0x10010008|0x1001000c|0x10010010|0x10010014
      sw $t2,0($t3)                 # 0x00000000|0x00000002|0x00000004|0x00000006
      add $t1,$t1,$t2               # 0x00000000|0x00000002|0x00000006|0x0000000c
      addi $t0,$t0,1                # 0x00000001|0x00000002|0x00000003|0x00000004
      j L1                          #
L2:  sw $t1,4($t3)                  # $t1->0x0000000c|4($t3)->0x10010018
      jr $ra                        # 0x00400018
```