Levi de Lima Pereira Junior - 121210472 Roteiro 7

1 - Implementar em Assembly - RISC-V, um programa que calcula o fatorial de um número N.

li x1, 1

li x2, 1

li x3, 7

beq x3, zero, fim

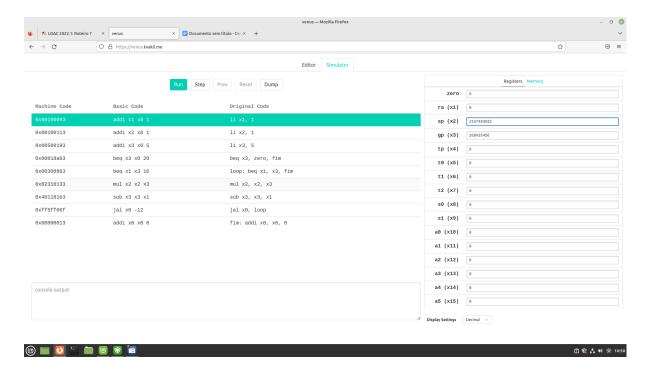
loop: beq x1, x3, fim

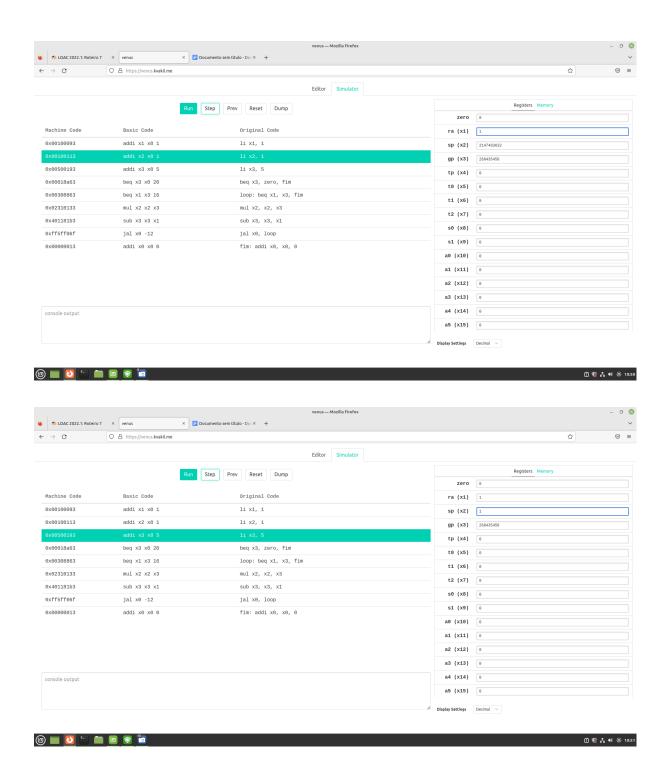
mul x2, x2, x3

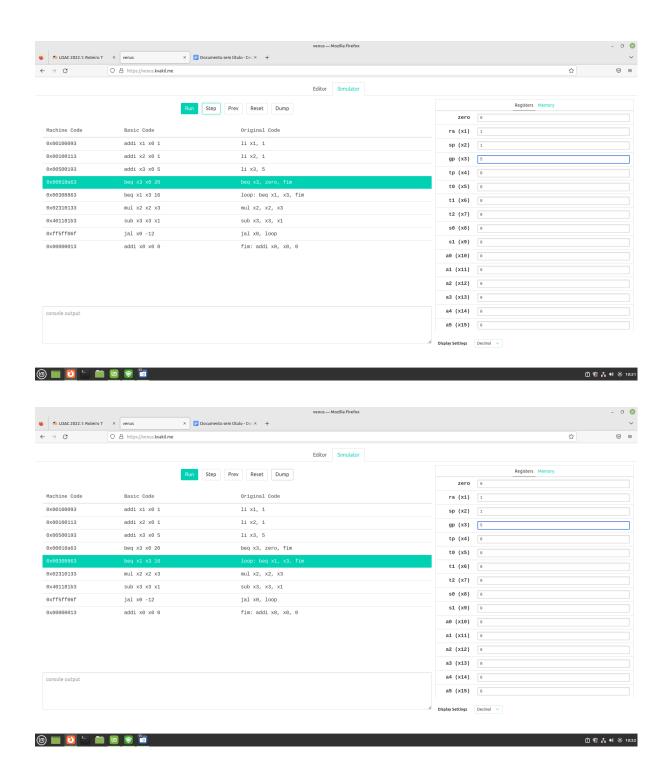
sub x3, x3, x1

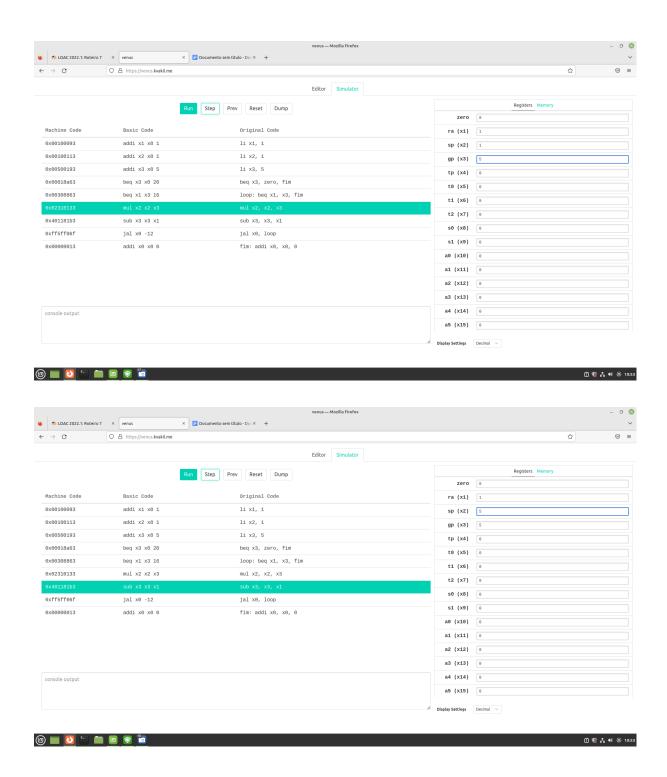
jal x0, loop

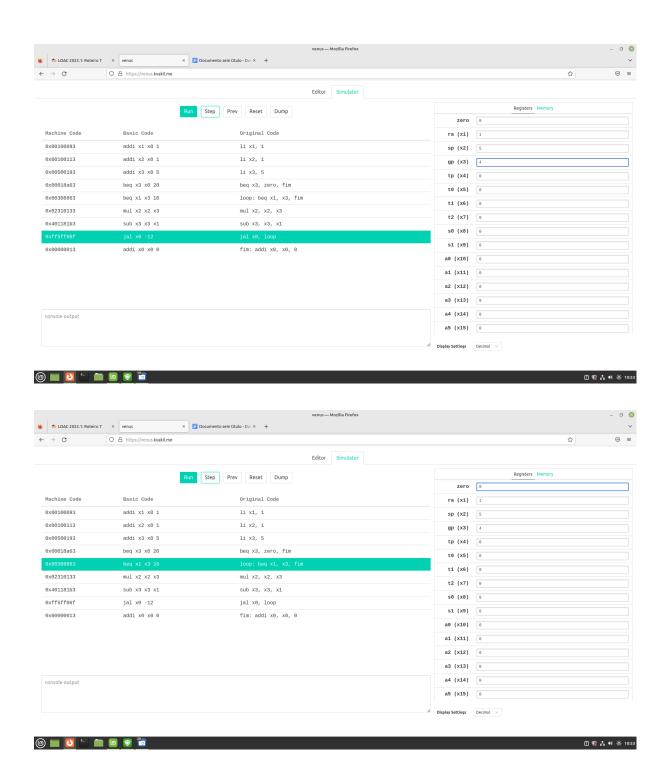
fim: addi x0, x0, 0

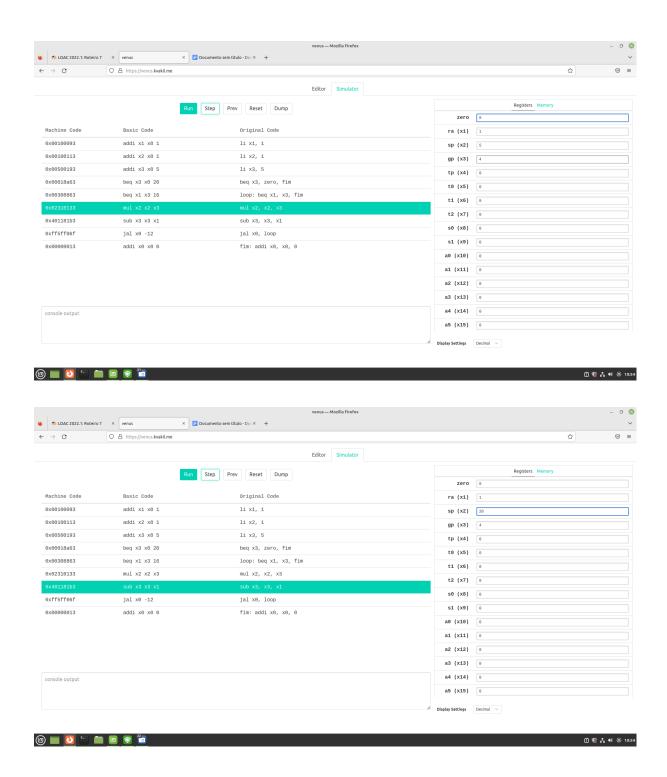


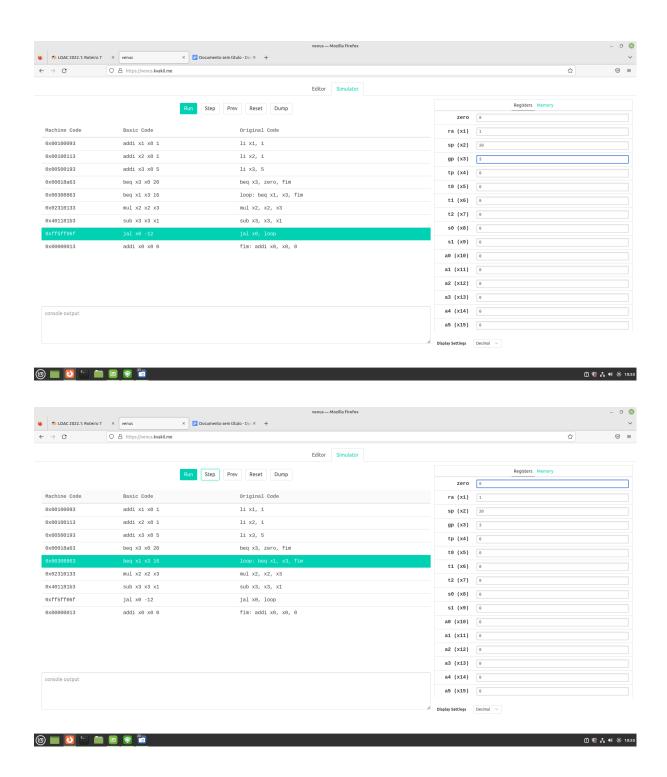


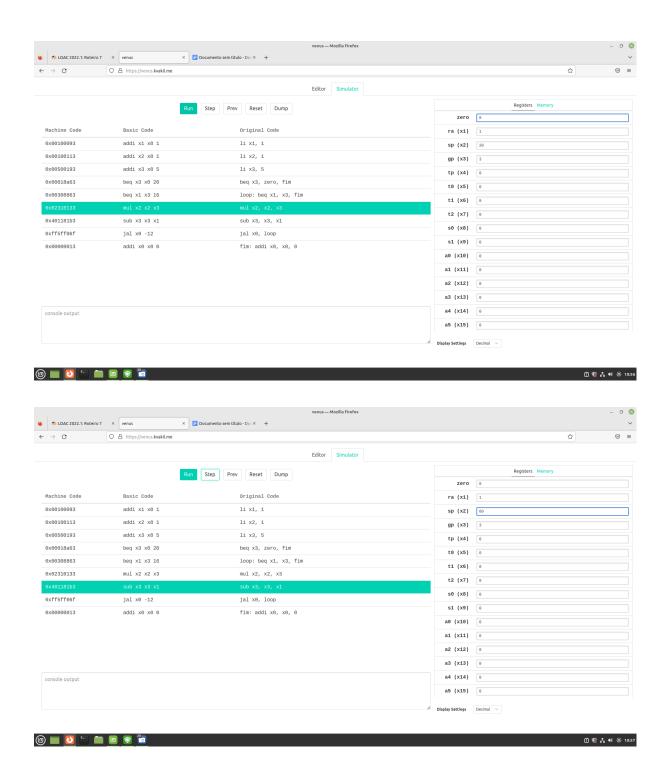


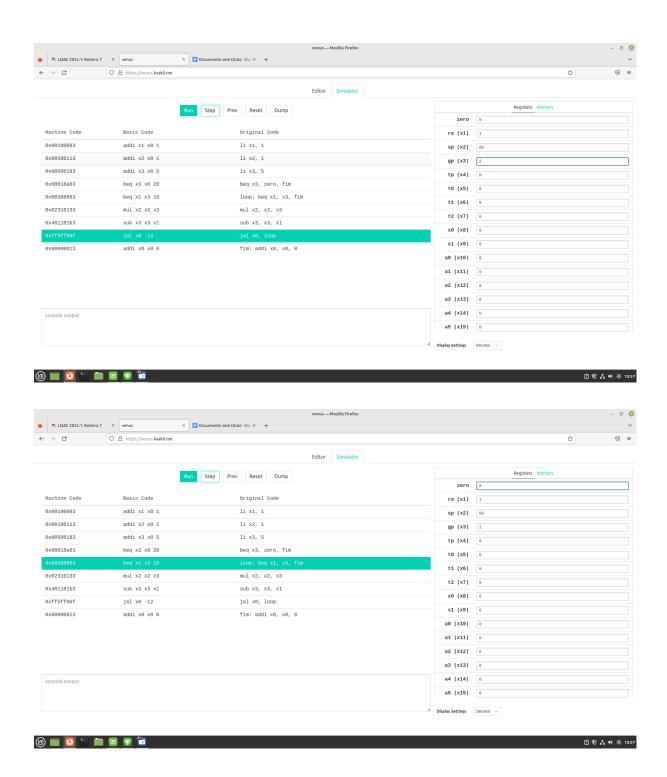


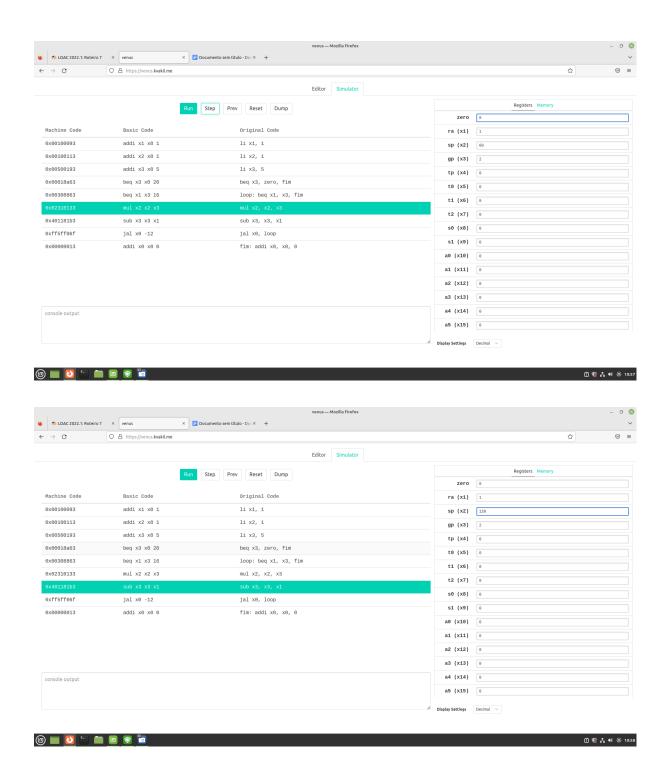


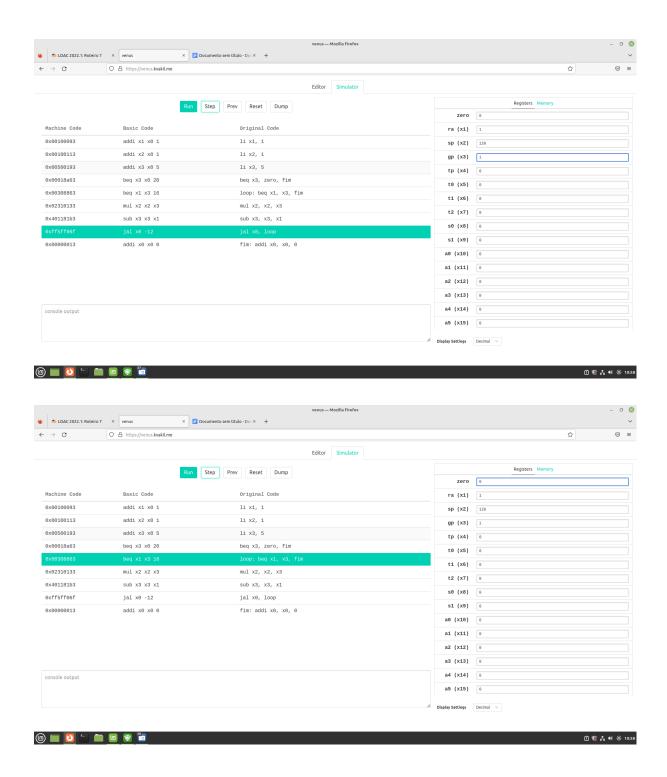


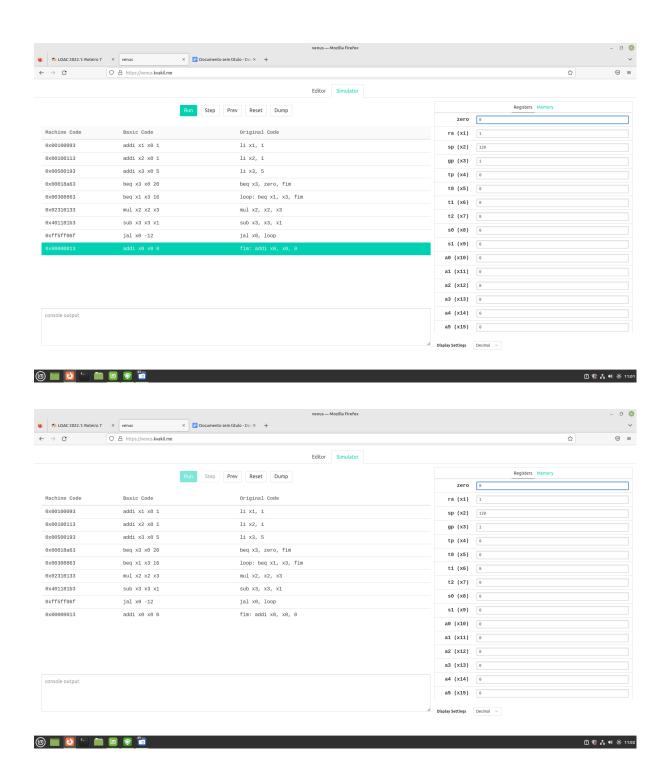












- Escrever o valor **0xFE** no endereço da memória de dados **0x1000000C**.
- Ler o valor **0xFE** do endereço da memória de dados **0x1000000C** e escrever no registrador **x10**.

li, x11, 0xfe lui x12, 0x000 lui x12, 0x10000 sw x11, 12(x12) lw x10, 12(x12)

