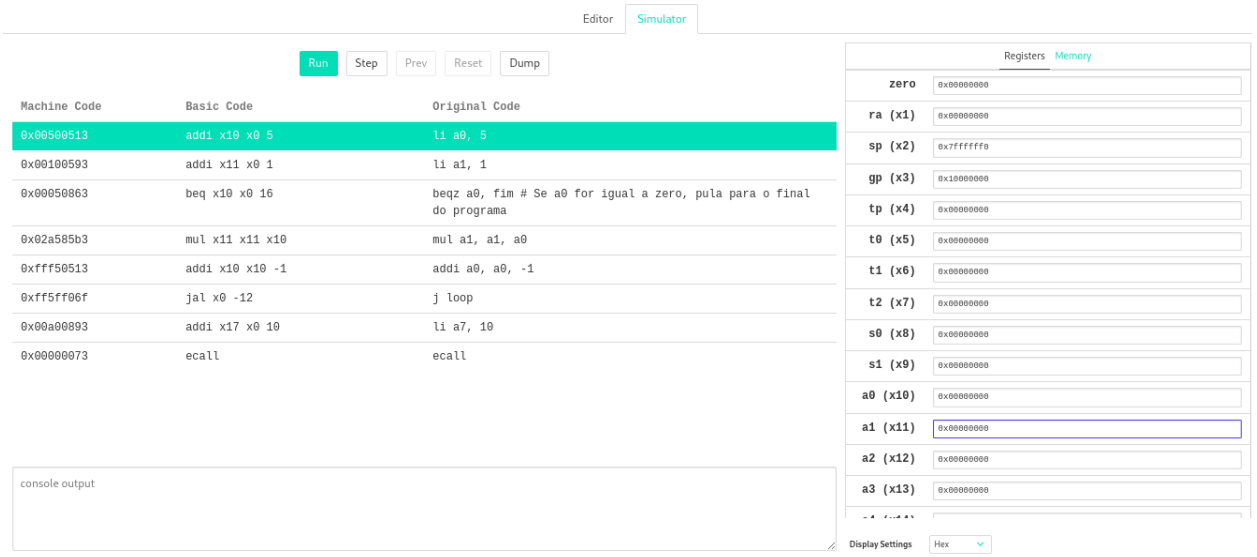
CÓDIGO:

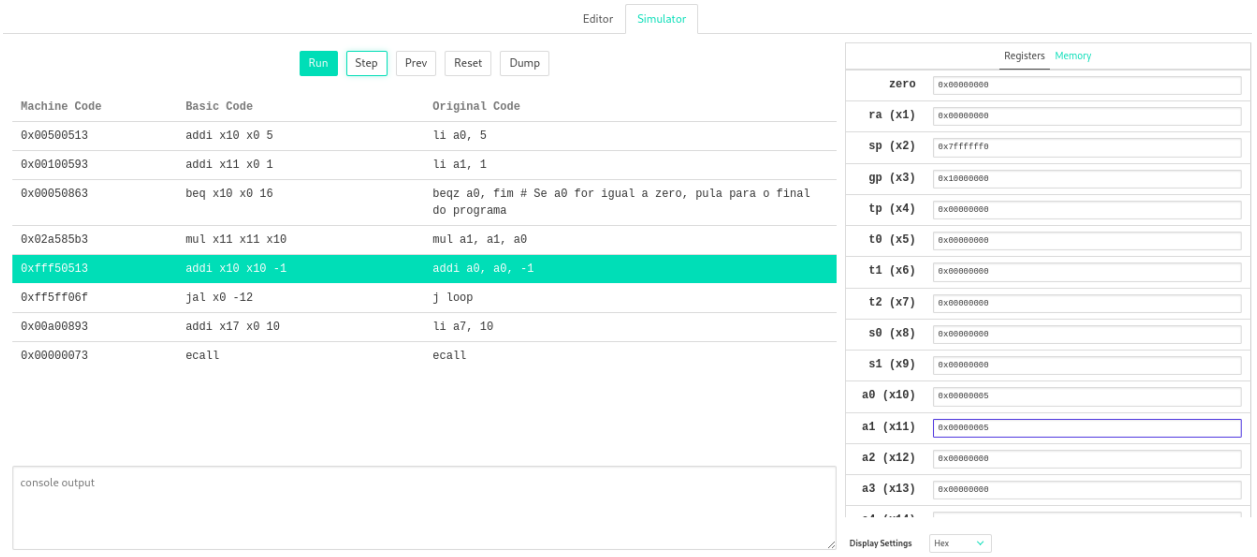
```
.text

main:
    # Carrega o valor de N em a0
    # Supondo que N seja 5, você pode alterar para o valor desejado
    li a0, 5

    # Inicializa o fatorial com 1 em a1
    li a1, 1

    # Loop para calcular o fatorial
    loop:
        beqz a0, fim  # Se a0 for igual a zero, pula para o final do programa

        # Multiplica o fatorial atual (a1) por N (a0)
        mul a1, a1, a0

        # Decrementa o valor de N
        addi a0, a0, -1

        # Volta para o início do loop
        j loop

    fim:
        # Termina o programa
        li a7, 10
        ecall

```

EXECUÇÃO:

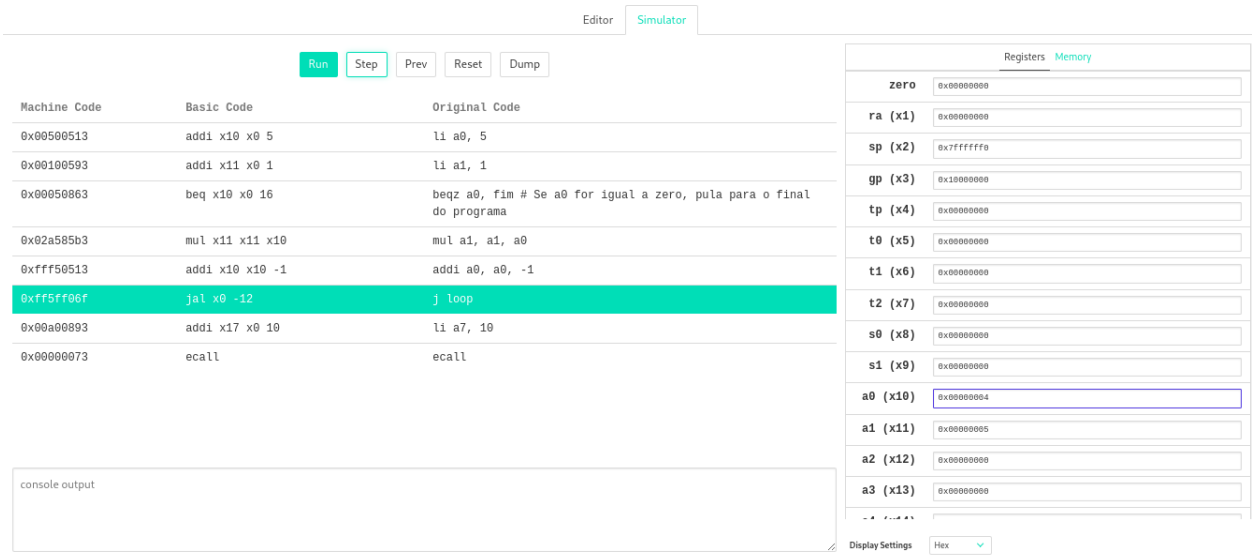
INÍCIO



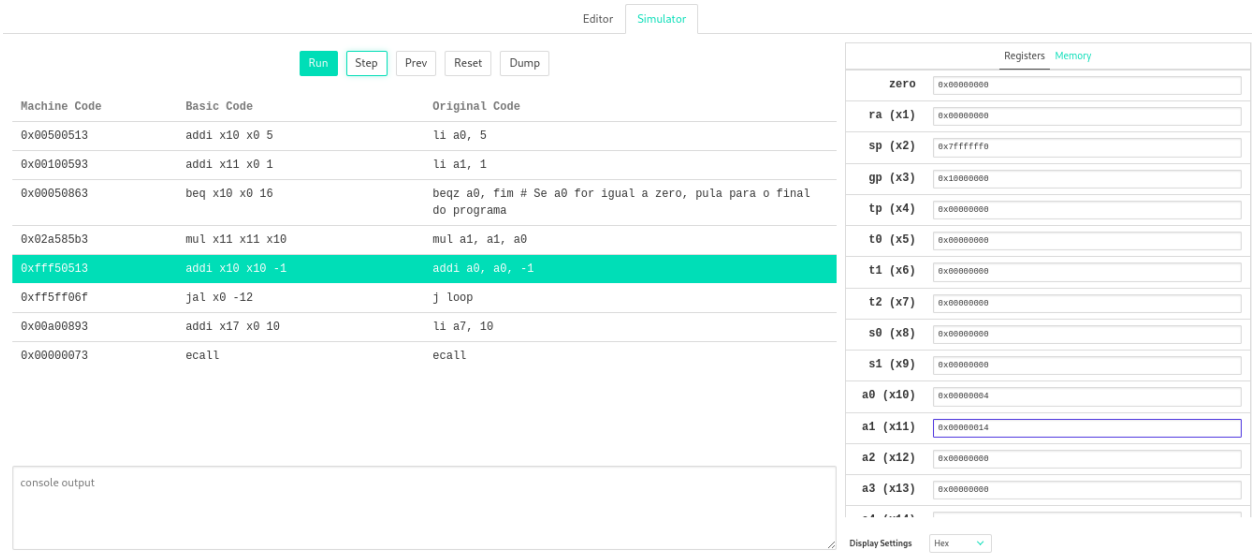
PRIMEIRO: N=5



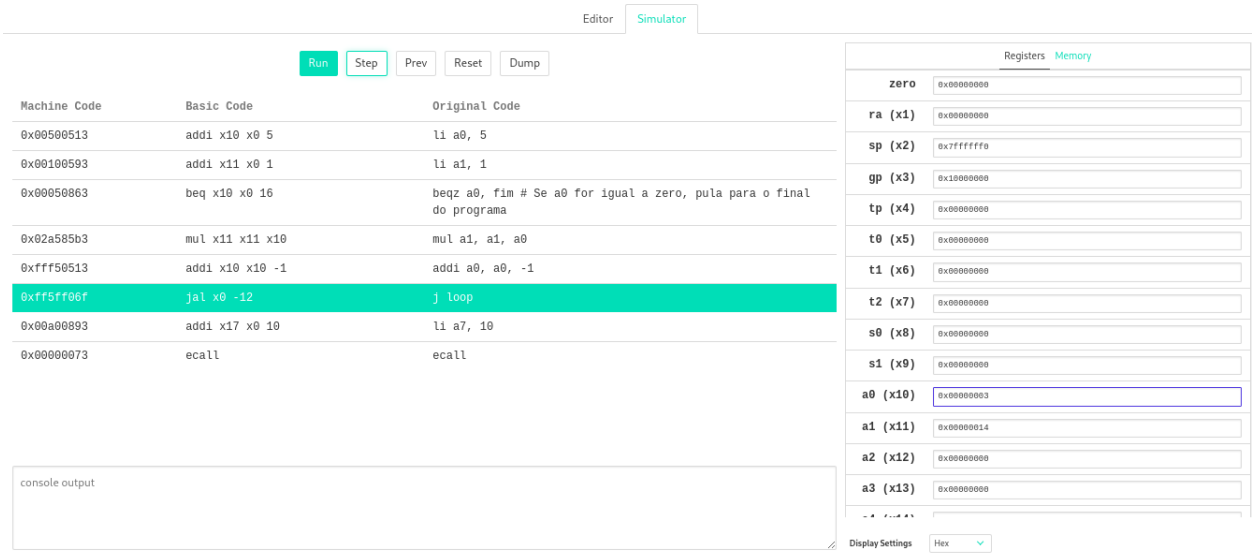
SEGUNDO: fatorial



TERCEIRO

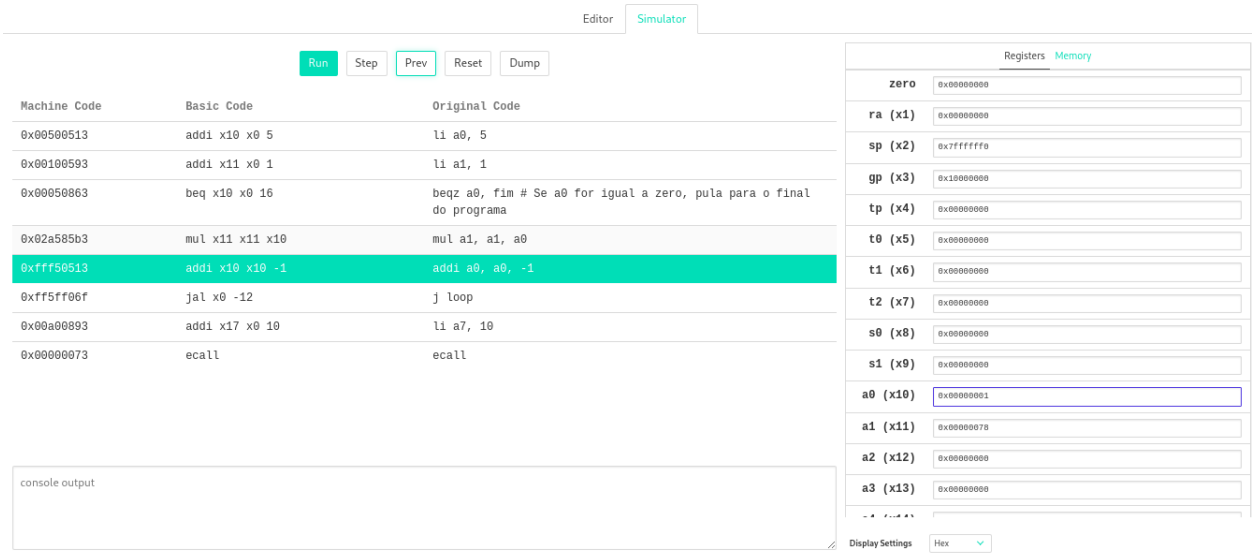


QUARTO



...

QUINTO: último loop



FIM