

Trabalho de Projetos Digitais (MICO X)

Grupo:

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```
x"00000000",      -- nop

x"b0010005",      -- addi r1,r0,num      |  n = num;
x"b0020001",      -- addi r2,r0,1      |  result = 1;
x"c1000000",      -- display r1      |  printf("%d", n);

x"e1000009",      -- bran r1, 0, FIM    |  if (n == 0) goto fim;

--INICIO:
x"32120000",      -- mul r2,r2,r1      |  result = result * n;
x"b101ffff",      -- addi r1,r1,-1      |  n = n + (-1);

x"e1000009",      -- bran r2, 0, FIM    |  if (n == 0) goto fim;
x"d1000005",      -- jump INICIO      |  goto inicio;

--FIM:
x"c2000000",      -- display r2      |  printf("%d", result);

x"f0000000",      -- halt
```