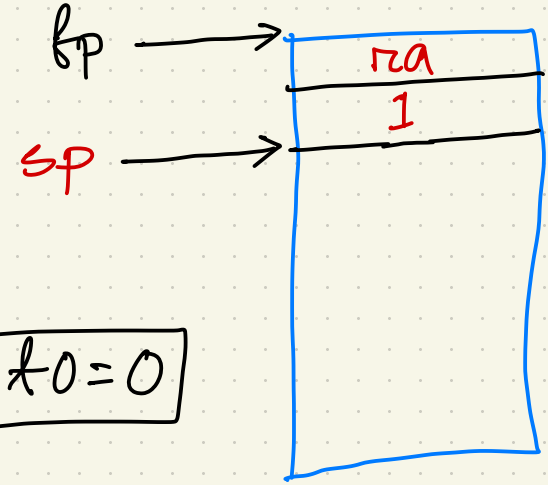
fact: n=1



$ra

$a0 = 1

slti → $a0 < 1

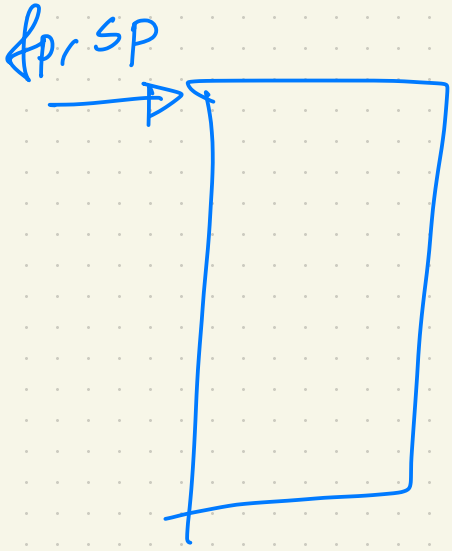
⇒ 1 < 1 → $t0 = 0

beq → $t0 == $zero

jump to L1

① ↓

L1: $a0 = 1 - 1 = 0



jal fact

lw $a0 = 1

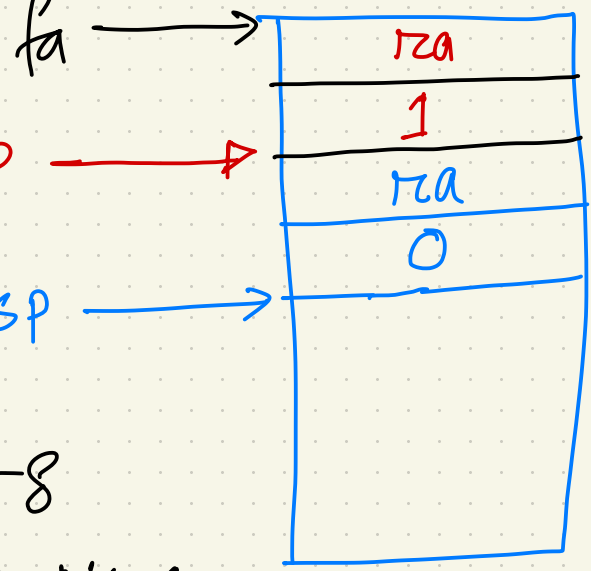
lw $ra = ra

$sp = $sp + 8

② $v0 = $a0 * $v0

= 1 * 1

jr $ra



fact: n=0

$ra

$a0 = 0

addi $sp, $sp, -8

slti: $a0 < 1 ⇒ $t0=1

beq: $t0 == 0 → false

$v0 = 1

$sp = $sp+8

③ jr $ra