

iterFib:

```
    li      $t0, 1           # i <-- 1
    bgt     $a0, $t0, Compute # if(n > 1) goto Compute
    move    $v0, $a0
    jr      $ra
```

Compute:

```
    move    $v0, $zero       # j <-- 0
    li      $t2, 1           # k <-- 1
```

Loop:

```
    add     $t3, $t0, $v0     # t <-- i + j
    move    $t0, $v0          # i <-- j
    move    $v0, $t3          # j <-- t
    addi    $t2, $t2, 1       # k <-- k + 1
    ble     $t2, $a0, Loop    # if(k <= n) goto Loop
    jr      $ra
```