```
sum: slti $t0, $a0, 1           # test if n <= 0
     bne $t0, $zero, sum_exit   # go to sum_exit if n <= 0
     add$a1, $a1, $a0           # add n to acc
     addi$a0, $a0, -1           # subtract 1 from n
     j sum                      # go to sum
sum_exit:
     add$v0, $a1, $zero         # return value acc
     jr $ra                     # return to caller
```

Unn Fig. 2-32.