Computer Architecture: Homework 1

Add comments to the following MIPS code and describe in one sentence what it computes. Assume that $a0 is used for the input and initially contain n, a positive integer. Assume that $v0 is used for the output.

```
begin:   addi    $t0, $zero, 0
          addi    $t1, $zero, 1
loop:    slt     $t2, $a0, $t1
          bne     $t2, $zero, finish
          add     $t0, $t0, $t1
          addi    $t1, $t1, 2
          j       loop
finish:  add     $v0, $t0, $zero
```