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CSE O2

Assignment 2

Sol;
```
mov r0, 1
mov r1, 0
mov r2, 0
mov r7, 0

loop1:
      mov r1, r1+1
      mul r3, r1, r1
      mul r3, r3, r1
      cmp r3, r0
      mov r2, r1
      blt .loop2
      mov r0, r0+1
      mov r1, 0
      mov r2, 0
      mov r7, 0
      mul r6, r0, r0
      mul r6, r6, r0
.loop1

loop2:
      mov r2, r2+1
      mul r4, r2, r2
      mul r4, r4, r2
      add r5, r3, r4
      cmp r5, r6
      beq .add_r7_1
      cmp r7, 2
      beq .print_r0
      cmp r4, r0
      blt .loop2
      .loop1
 add_r7_1:
      add r7, r7+1;
/*print value of r0*/
```