CSN 221

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Assignment 2

```
mov r0,1
.loop1:

mov r1,1
mov r2,0
.loop2:

add r3,r2,1
.loop3:

mul r4,r1,r1
mul r4,r4,r1
mul r5,r3,r3
mul r5,r5,r3
add r6,r4,r5
cmp r6,r0 add
r3,r3,1 beq
.counter cmp
1,1
beq .loop4

.counter:add r2,r2,1


.loop4:

mul
r7,r3,r3
mul r7,r7,r3
cmp r7,r0
bgt .loop2
mul r8,r2,r2
mul r8,r8,r2
add r2,r2,1
cmp r8,r0 bgt
.loop1
```

```
cmp r2,2
beq .endprogram
add r0,r0,1
.endprogram: mov r9,r0
```