

Assignment 2

```
mov cnt 0
mov i 1
.loop:
mov j i
mov k i
    .loop1:
        .loop2:
            mul r1 j j
            mul r2 r1 j
            mul r3 k k
mul r4 r3 k
mov r5 0
add r5 r2 r4
cmp r5 i
beq .countIncrease
sub k k 1
cmp k 0
bgt .loop2
sub j j 0
bgt .loop1
cmp cnt 2
bgt .exit
add i i 1
.countIncrease:
add cnt cnt 1
.exit:
Exit
mov cnt 0
```