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

    . exit :
              exit

    mov cnt 0
```