

Assignment - 2

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0-5

```

mov cnt 0
mov i 1

```

```

- loop:

```

```

    mov j 0

```

```

    mov p 0

```

```

- loop 1:

```

```

    - loop 2:

```

```

        mul r1 j j

```

```

        mul r2 r1 j

```

```

        mul r3 p p

```

```

        mul r4 r3 p

```

```

        mov r5 0

```

```

        add r5 r2 r4

```

```

        cmp r5 i

```

```

        beq - countIncrease

```

```

        sub p p 1

```

```

        cmp p 0

```

```

        bgt - loop 2

```

```

        sub j j 0

```

```

        bgt - loop 1

```

```

    cmp cnt 2

```

```

    bgt - exit

```

```

    add i i 1

```

```

    - cnt Increase

```

```

    add cnt cnt 1 ; -> - exit: - exit; mov cnt 0

```