

## Vsota števk faktoriala

...

```
#!/usr/bin/env python
```

```
def factorial_sum(n): factorial = 1 for i in range(1, n + 1): factorial *= i digit_sum = 0 while factorial > 0: digit_sum += factorial % 10 factorial //= 10 return digit_sum
```

```
if name == 'main': import sys line = sys.stdin.readline() n = int(line) print(factorial_sum(n)) ``
```

# Collatzevo zaporedje

```
#!/usr/bin/env python

def collatz(n):
    if n % 2 == 0:
        return n // 2
    else:
        return 3 * n + 1

def max_collatz(n):
    max_ = 0
    while n != 1:
        n = collatz(n)
        if n > max_:
            max_ = n
    return max_

if __name__ == '__main__':
    import sys
    line = sys.stdin.readline()
    try:
        n = int(line)
        print(max_collatz(n))
    except:
        print('None')
```

# Samoglasniki v besedilu

```
#!/usr/bin/env python3
import sys

aeiou={'a','e','i','o','u', 'A','E','I','O','U'}

def samoglasniki(line):
    for x in aeiou:
        line = line.replace(x, '')
    return line.strip()

if __name__ == '__main__':
    line = sys.stdin.readline()
    print(samoglasniki(line))
```

# Izštevanka

```
#!/usr/bin/env python3
def odstevanka(n, k):
    nn = list(range(n))
    r = 0
    k = k - 1
    while len(nn) > 1:
        r = (r + k) % len(nn)
        del nn[r]
    return nn[0]

if __name__ == "__main__":
    import sys
    line = sys.stdin.readline()
    print(odstevanka(*[int(p) for p in line.split()])))
```