

factorion

$$1 \times 2 \times 3 \times 4$$

$$11! - 1$$

$$41! - 120$$

$$120 + 24 + 7$$

$$1 = 1!$$

$$2! =$$

$$(2) + 0$$

$$1 + 1 = 2$$

$$1 + 1 = 2$$

$$12! : 120 = 1$$

Input (7) 2 3 4

temp

temp →

Digit

Digit
fact

sum of Digit
digit

$$4 - 4! + 0 = 4!$$

$$3 \rightarrow 3! + 4! = 3! + 4!$$

$$2 \rightarrow 2! = 2! + 3! + 4!$$

Neon

$$n \rightarrow n^2: Abc$$

$$A + b + c = n > \text{neon numb}$$

$$9 = 9^2 = 81$$

$$8 + 1 = 9 \neq n$$

$$us \rightarrow (2i)^2 = 2021$$

$$2 + 0 + 2 + 1$$

$$\neq us$$

input n

$n^2 \rightarrow \text{temp}$

find square of temp $= \text{Sqr}$

$\cdot \text{Sqr} \rightarrow \text{Sum of Dig} = n$ if true - Neon
else - not a neuron
Nr

Niven No

n
 \rightarrow sum of Digits \rightarrow $n / \text{sum of } d = 0$
Niven no

ex

not

Natural n's

Perfect Nb

$\Rightarrow n$

1 to n

possibility

$$n/x == 0$$

1, 2, 3 ~ n-1, n _{lex}

$n/i^0 == 0$

$i < n$

$$Sum = Sum + i^0$$

e

$n \leq 0$
e

n → factor print

n = 12

1, 2, 3, 4, 6,

```
for (int i = 1; i < n; i++) {
```

```
    if (n % i == 0)
```

```
        cout << i << " ";
```

↵ ?

```
}
```

