Task 4: ZEROS

Description. The factorial of a positive integer n, written as $n!$, is the product of the first n positive integers. That is,

$$n! = 1 \times 2 \times \cdots \times n$$

Given a positive integer n, find the number of zeros in the decimal representation of $n!$. Of course, leading zeros should not be counted. (Note that decimal representation means base ten representation.)

Example 1. There are 7 zeros in the decimal representation of 20!.

$$20! = 1 \times 2 \times \cdots \times 19 \times 20 = 2432902008176640000$$

Example 2. There are 2 zeros in the decimal representation of 7!.

$$7! = 1 \times 2 \times 3 \times 4 \times 5 \times 6 \times 7 = 5040$$

Example 3. There is 0 zero in the decimal representation of 4!.

$$4! = 1 \times 2 \times 3 \times 4 = 24$$

Input and Output. The input file `ZEROS.IN` contains a single positive integer $n < 100$.

The output file `ZEROS.OUT` contains a single integer giving the number of zeros in the decimal representation of $n!$.

For Example 1, the input file is

```
20
```

and the output file is

```
7
```

For Example 2, the input file is

```
7
```

and the output file is

```
2
```

For Example 3, the input file is

```
4
```

and the output file is

```
0
```