

Enormous Input Test

The purpose of this problem is to verify whether the method you are using to read input data is sufficiently fast to handle problems branded with the **enormous Input/Output** warning. You are expected to be able to process at least 2.5MB of input data per second at runtime.

Input

The input begins with two positive integers n k ($n, k \leq 10^7$). The next n lines of input contain one positive integer t_i , not greater than 10^9 , each.

Output

Write a single integer to output, denoting how many integers t_i are divisible by k .

Example

Input:

```
7 3
1
51
966369
7
9
999996
11
```

Output:

```
4
```