## **Factors**

memory limit: 8 MB time limit: 1 s

Find multiplying factors of the given input n.

## Input

Line 1: an integer  $n (1 < n \le 1000)$ 

## Output

Line 1..k: If the number of multiplying factors of n is k, each line contains a multiplying factor of n in order from the minimum to the maximum.

## Example

Input	Output
24	2
	2
	2
	3