

Problem G

Divisors

Problem ID: divisors

CPU Time limit: 1 second

Memory limit: 1024 MB

Source: CTU Open 2005

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Your task in this problem is to determine the number of divisors of $\binom{n}{k}$. Just for fun – or do you need any special reason for such a useful computation?

Input

The input consists of several instances, at most 11 000. Each instance consists of a single line containing two integers n and k ($0 \leq k \leq n \leq 431$), separated by a single space.

Output

For each instance, output a line containing exactly one integer – the number of distinct divisors of $\binom{n}{k}$. For the input instances, this number does not exceed $2^{63} - 1$.

Sample Input 1

```
5 1
6 3
10 4
```

Sample Output 1

```
2
6
16
```