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**CTU Open Contest 2005**

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# Divisors

`d.p`, `d.c`, `d.C`

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 Specification

The input consists of several instances. 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 Specification

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

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

## Output for Sample Input

```
2
6
16
```