## Problem G. One Root

Input file:
Output file:
Time limit:
Memory limit:
standard input
standard output
2 seconds
512 mebibytes

For a fixed $n$ and integers $p$ and $q$ such that $|p| \leq m$ and $|q| \leq m$, how many equations of the form

$$
x^{n}+p x+q=0
$$

have exactly one real root?

## Input

The only line of input contains two integers $n$ and $m\left(1 \leq n, m \leq 10^{6}, n \geq 2\right)$.

## Output

Print a single integer: the number of equations having exactly one real root.

## Examples

| standard input | standard output |  |
| :--- | :--- | :--- |
| 24 | 5 |  |
| 35 | 96 |  |

