



## Problem G. One Root

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

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

 $x^n + px + q = 0$ 

have exactly one real root?

## Input

The only line of input contains two integers n and m  $(1 \le n, m \le 10^6, n \ge 2)$ .

## Output

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

## Examples

standard input	standard output
2 4	5
3 5	96