



LCM

Time Limit 1 second

Problem

Abel has number b . He is sorting through the numbers a from 1 to 10^{18} , and for every a writes $\frac{[a, b]}{a}$ on blackboard. Here $[a, b]$ stands for least common multiple of a and b . Ivan is very lazy, that's why this task bored him soon. But he is interested in how many different numbers he would write on the board if he would finish the task. Help him to find the quantity of different numbers he would write on the board.

Input

The only line contains one integer b ($1 \leq b \leq 10^{10}$).

Output

Print one number answer for the problem.

Sample Input 1	Sample Output 1
1	1

Sample Input 2	Sample Output 2
2	2