**GuGu Fishtion**

**Problem**

Today XianYu is too busy with his housework, but the boring GuGu is still disturbing him!!!!!!

At the break time, an evil idea arises in XianYu’s mind.

‘Come on, you xxxxxxx little guy.’

‘I will give you a function which counts the positive integers up to that are *relatively prime* to .’

‘And now I give you a fishtion, which named *GuGu Fishtion*, in memory of a great guy named XianYu and a disturbing and pitiful guy GuGu who will be cooked without solving my problem in the last 5 hours.’

‘The given fishtion is defined as

And now you, the xxxxxxx little guy, have to solve the problem below given .’

So SMART and KINDHEARTED you are, so could you please help GuGu to solve this problem?

‘gu gu!’ GuGu thanks.

**Input**

Input contains three integers only.

And given is a prime.

**Output**

Output on integer representing the answer.

**Sample Input**

5 7 23

**Sample Output**

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