Easy Summation

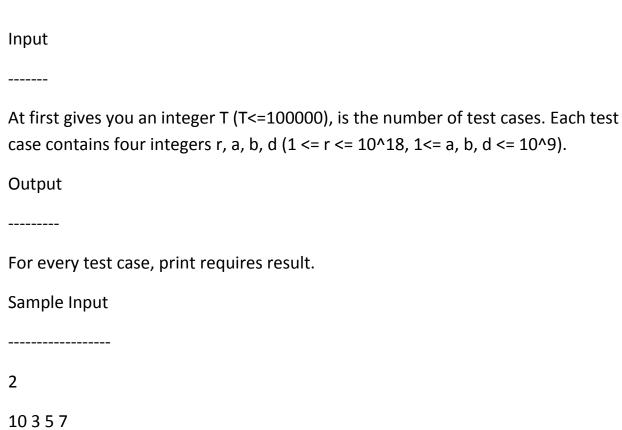
Time Limit: - 2 secs

The problem statement is so small. Give you four integers r, a, b, d. Find the summation of all numbers from 1 to r, those are divisible by a or b. Since the result can be very large, you have to print the result modulo d.

Mathematically,

15 7 14 7

$$(i=1)^r i$$
 % d [if i % a == 0 or i % b == 0]



Sample Output

5

0

Look, for test case 1. From 1-10, there are 5 numbers 3, 5, 6, 9, 10 those are divisible by 3 or 5. So (3+5+6+9+10) % 7=33 % 7=5.