Divisibility

Print all integers a_i such that a_i is divisible by x and not divisible by y, where $1 < a_i < n < 100000$.

Input

First, you are given t ($t < 100$) - the number of test cases. In each of the following t lines, 3 integers: n x y.

You might assume also that $x < n$ and x is not divisible by y.

Output

In each of the following t lines, numbers requested in the problem description in the separated by a single space in ascending order.

Example

Input:
2
7 2 4
35 5 12
Output:
2 6
5 10 15 20 25 30