Jon and Cow

Farmer Jon has two cows. He loves his cows very much. One cow gives exactly **A** liters milk in a day. Other cow gives exactly **B** liters milk in a day. But Farmer Jon is a very busy person. He can collect one cow's milk in a day.

Nowadays farmer Jon need a little bit more money to create a nice house for his cows. So he wants to sale exactly **N** liters milk to the buyer.

Now Farmer Jon asked to you to calculate what is the minimum days needed to make exactly **N** liters of milk.

Input

Input starts with an integer **T (≤ 100)**, denoting the number of test cases.

Each case contains three integers **A, B (1 ≤ A,B ≤= 15)** and **N (1 ≤ N ≤ 10^5)**.

Output

For each case, print the case number and the minimum number of days needed to make exactly **N** liters of milk. If it is not possible to make exactly **N** liters of milk print **"Not Possible"** (without quotes)

Sample Input	Output for Sample Input
3	Case 1: 3
2 3 7	Case 2: 4
2 3 12	Case 3: Not Possible
2 2 11	

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