Find the position of M-th item

M items are to be delivered in a circle of size **N**. Find the position where the **M-th** item will be delivered if we start from a given position **K**. Note that items are distributed at adjacent positions starting from **K**.

Input:
The first line consists of an integer **T** i.e number of test cases. The first and last line of each test case contains three integers **N,M** and **K.**

Output:
Print the position where the Mth item will be delivered.

Constraints:
1<=T<=100
1<=n,m,k<=1000

Example:
Input:
2
5 2 1
5 8 2

Output:
2
4