

## B - Queue

Source file name: `queue.py`

Time limit: 6 seconds

There is a queue with  $N$  people. Every person has a different height. We can see  $P$  people, when we are looking from the beginning, and  $R$  people, when we are looking from the end. It's because they are having different height and they are covering each other. How many different permutations of our queue has such a interesting feature?

### Input

The input consists of  $T$  test cases. The number of them ( $T \geq 0$ ) is given on the first line of the input file. Each test case begins with a line containing a single integer number  $N$  that indicates the number of people in a queue ( $1 \leq N < 10$ ). Then follows line containing two integers  $P$  and  $Q$  ( $1 \leq P, Q \leq N$ ). The first integer  $P$  corresponds to the number of people that we can see looking from the beginning. The second integer  $R$  corresponds to the number of people that we can see looking from the end.

*The input must be read from standard input.*

### Output

For every test case your program has to determine one integer. Print how many permutations of  $N$  people we can see exactly  $P$  people from the beginning, and  $R$  people when we are looking from the end.

*The output must be written to standard output.*

Sample Input	Sample Output
3	6440
9 4 4	1764
8 3 1	1
3 1 2	