

Description	My Submissions	Hints/Editorial	AC Submissions	My Notes (0)
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Dice Simulation AZ101

? Ask Doubt

Time-Limit: 1 sec

Score: 100.00/100

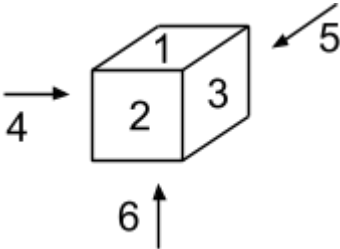
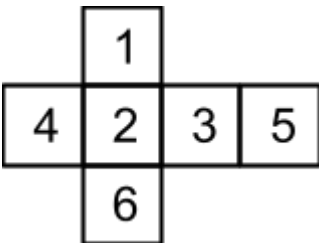
Difficulty :

Memory: 256 MB

Accepted Submissions: 100

Description

You are given a dice with different values on each face. Find the integer at the top of the face after the sequence of commands to roll the dice is performed. The dice is initially located as shown.



Input Format

The first line of the input contains one integer T - the number of test cases. Then T test cases follow.

The first line of each test case contains six space-separated integers A_i - values on each face.

The second line of each test case contains a string S - the sequence of commands.

Output Format

For each test case, print the integer at the top of the face after the sequence of commands to roll the dice is done.

Constraints

$1 \leq T \leq 10^6$

$1 \leq A_i \leq 10^7$

$1 \leq |S| \leq 10^6$

It is guaranteed that the sum of $|S|$ over all test cases does not exceed 10^6 .

Sample Input 1

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C++14[GCC] ▾

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