

Target

Input File: target.txt

Target is a fun mental math game. It entails using 3 given numbers, each between 1 and 6, to try and make a non-prime number between 1 and 144. You can add, subtract, multiply, divide, factorial, and use parentheses. The closest number to the target number wins; if you manage to make the given number, you reply "target". Your job in Target is to play target.

Input:

The first line contains an integer, N. There will be N following cases. Each case consists of 2 lines: one giving the 3 numbers, which you use, the other giving the non-prime number you are trying to make with the 3 numbers.

Output:

For each case, you must output the number which can be made from the 3 given numbers and closest possible to the target number. If it is possible to make the target number exactly, print "Target".

Example Input:

```
3
1 1 1
144
2 6 4
24
6 5 2
122
```

Example Output:

```
6
Target
123
```