For each case, output the first line of input is an integer T, indicating the number of test cases. For each case, there are 3 integers n, min, and max in the first line, which denote the number of operations in the next line. Each operation is an operator, +, -, *, or @, and an integer x between -10^5 and 10^5 indicating the number of (0-10^6) numbers. Please refer to the problem statement for the meaning of +, -, *, and @. The last line of input is an integer T, indicating the number of test cases.

Input
The first line of input is an integer T (0 ≤ T ≤ 100), indicating the number of test cases. Each of the following T lines contains n space-separated integers, where n is the number of operations in the next line. Each operation is an operator, +, -, *, or @, and an integer x between -10^5 and 10^5 indicating the number of (0-10^6) numbers.

Output
For each case, print the correct output; however, they cannot finish execution within the time limit. Could you, our talented contestant, help her optimize the algorithm and got AC?

```
int main() {
    int T;
    cin >> T;
    for (int icase = 0; icase < T; ++icase) {
        cin >> n >> m >> k;
        long long arr[kMaxN];
        char command[kMaxN];
        const int kMaxN = 1000000;
        for (int i = 0; i < k; ++i) {
            cin >> command[i];
            switch (command[i]) {
                case '+':
                    arr[i] = cin.nextLong();
                    break;
                case '-':
                    arr[i] = cin.nextLong();
                    break;
                case '*':
                    arr[i] = cin.nextLong();
                    break;
                case '@':
                    arr[i] = cin.nextLong();
                    break;
                default:
                    assert(false);
                    break;
            }
            ans += arr[i];
        }
        cout << ans << endl;
    }
    return 0;
}
```

Hint:
- The second line contains an integer T (0 ≤ T ≤ 100), indicating the number of test cases.
- Each of the following T lines contains n space-separated integers, where n is the number of operations in the next line. Each operation is an operator, +, -, *, or @, and an integer x between -10^5 and 10^5 indicating the number of (0-10^6) numbers.
- The last line of input is an integer T, indicating the number of test cases.
- For each case, print the correct output; however, they cannot finish execution within the time limit. Could you, our talented contestant, help her optimize the algorithm and got AC?