Submission

ID	DATE	PROBLEM	STATUS		CPU	LANG
	TEST CASES					
8070565	22:17:21	Teque	✔ **Accepted (100)**		1.19 s	C++
	✔✔✔✔✔✔✔✔✔✔✔✔✔✔					

Test Groups

SAMPLE	ACCEPTED	(2/100)

SECRET	ACCEPTED	(98/100)

GROUP 1	ACCEPTED	(20/100)

GROUP 2	ACCEPTED	(10/100)

GROUP 3	ACCEPTED	(20/100)

GROUP 4	ACCEPTED	(48/100)

Help

Submission contains 1 file: download zip archive

FILENAME	FILESIZE	SHA-1 SUM	
teque.cpp	1369 bytes	c34fe848312032dddeb46499756bd9840c2ee24f	download

Edit and resubmit this submission.

teque.cpp

```cpp
1   #include <bits/stdc++.h>
2
3   using namespace std;
4
5   void balancear(deque<int> &l1, deque<int> &l2) {
6       int diff = l1.size() - l2.size();
7       int val;
8       if (diff < 0) {
9           double d = (double)diff / -2;
10          for (int i = 0; i < ceil(d); i++) {
11              val = l2.front();
12              l2.pop_front();
13              l1.push_back(val);
14          }
15      }
16      else if (diff > 1) {
17          double d = (double)diff / 2;
18          for (int i = 0; i < floor(d); i++) {
19              val = l1.back();
20              l1.pop_back();
21              l2.push_front(val);
22          }
23      }
24  }
25
26  int main() {
27          n;
28      cin >> n;
29      deque<int> d1;
```

```cpp
      deque<int> d2;
      string command;
      int num;
      for (int i = 0; i < n; i++) {
          cin>>command;
          cin>>num;
          if (command[0] == 'g') {
              if (d1.size() > num){
                  cout << d1[num] << endl;
              }
              else{
                  cout << d2[num - d1.size()]  << endl;
              }
          }
          else if(command[5] == 'b'){
              d2.push_back(num);
              balancear(d1, d2);
          }
          else if(command[5] == 'f'){
              d1.push_front(num);
              balancear(d1, d2);
          }
          else if(command[5] == 'm'){
              d1.push_back(num);
              balancear(d1, d2);
          }
      }

      return 0;
}
```