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Dashboard > Algorithms > Implementation > Cats and a Mouse

Badge Progress (Details)          Points: 228.83 Rank: 137993

# Cats and a Mouse 🔖

H by ma5termind

| Problem | Submissions | Leaderboard | Discussions | Editorial |

Submitted a few seconds ago • Score: 15.00                                    Status: **Accepted**

| ✔ Test Case #0 | ✔ Test Case #1 |

## Submitted Code

Language: C++                                                              ⑂ Open in editor

```cpp
1  #include <map>
2  #include <set>
3  #include <list>
4  #include <cmath>
5  #include <ctime>
6  #include <deque>
7  #include <queue>
8  #include <stack>
9  #include <string>
10 #include <bitset>
11 #include <cstdio>
12 #include <limits>
13 #include <vector>
14 #include <climits>
15 #include <cstring>
16 #include <cstdlib>
17 #include <fstream>
18 #include <numeric>
19 #include <sstream>
20 #include <iostream>
21 #include <algorithm>
22 #include <unordered_map>
23
24 using namespace std;
25
26
27 int main(){
28     int q;
29     cin >> q;
30     for(int a0 = 0; a0 < q; a0++){
31         int x;
32         int y;
33         int z;
34         cin >> x >> z >> y;
35         if (abs(x - y) == abs(y - z)) cout << "Mouse C" << endl;
36         else if (abs(x - y) > abs(y - z)) cout << "Cat B" << endl;
37         else cout << "Cat A" << endl;
38     }
39     return 0;
40 }
41
```
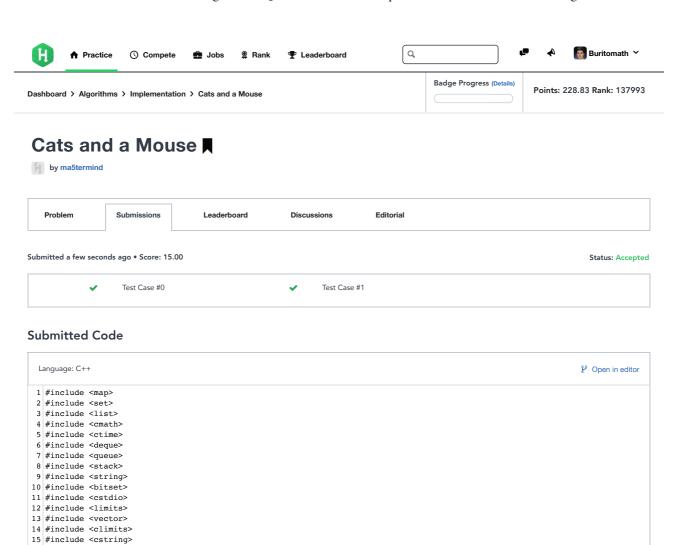
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