Q1 : Andrew and Rotation

Solution:

```cpp
#include<bits/stdc++.h>
using namespace std;


typedef pair<int,int>           ii;
typedef vector<int>             vi;
typedef vector<bool>             vb;
typedef vector<vi>             vvi;
typedef vector<ii>             vp;
typedef unordered_map<int,int>       umap_ii;
typedef unordered_map<char,int>       umap_ci;
typedef unordered_map<string,int>     umap_si;
typedef unsigned long long int      ull;
typedef pair<int,int>           ii;


#define int               long long
#define fi              first
#define se               second
#define INF               0x3f3f3f3f
#define PI                3.1415926535897932384626
#define MOD                1000000007
#define pb                push_back
#define uset                unordered_set
#define pq_max               priority_queue<int>
#define pq_min               priority_queue<int,vector<int>,greater<int>>
#define mp               make_pair  //Better use {}
#define size5               100010



#define fast_io               ios_base::sync_with_stdio(false);cin.tie(NULL);
```

```cpp
#define sublimeProblem        freopen("input.txt", "r", stdin); freopen("output.txt", "w", stdout);


int32_t main()
{
    fast_io;
    // IO Problem;
    int n;
    cin>>n;

    vi arr;
    int mn=INT_MAX;
    int mx = INT_MIN;
    for (int i = 0; i < n; ++i) {
        int x; cin>>x;
        arr.pb(x);
        mn = min(mn, x);
        mx = max(mx, x);
    }

    // cout<<mn<<" "<<mx<<endl;

    int diff =mx - mn;
    diff %= n;

    for( int x : arr){
        if( x == mn){
            rotate(arr.begin(), arr.begin()+arr.size()-diff, arr.end());
            break;
        }
        else if( x == mx){
            rotate(arr.begin(), arr.begin()+diff, arr.end());
```

```cpp
            break;
        }
    }


    for( int x: arr){
        cout<<x<<" ";
    }


    return 0;
}
```

Q2: Limak and Tests

Solution:

```cpp
/*
 *
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 * BATCH : 2018-2022
 * GITHUB LINK : https://github.com/ajay-panchal-099
 * PROBLEM STATEMENT :
 */

#include <bits/stdc++.h>
using namespace std;

signed main() {
    int q;
    cin >> q;

    deque<int> st;
    int pos = 1;
    for (int i = 0; i < q; ++i) {
        int type;
        cin >> type;
        switch (type) {
            case 1:
                int ele;
                cin >> ele;
                if (pos == 1)st.push_back(ele);
                else st.push_front(ele);
                break;
```

```cpp
            case 2:
                if(st.empty())break;
                if (pos == 1)st.pop_back();
                else st.pop_front();
                break;
            case 3:
                if(st.empty())break;
                if (pos == 1)st[st.size() - 1] += 5;
                else st[0] += 5;
                break;
            case 4:
                if(st.empty())break;
                if (pos == 1)st[st.size() - 1] -= 5;
                else st[0] -= 5;
                break;
            case 5:
                pos = 1 - pos;
                break;
        }
    }
    int ans = 0;
    for(auto x : st)ans += x;
    cout << ans << endl;
    return 0;
}
```