Q1 : Andrew and Rotation

Solution:

#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);

#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());

break;

}

}

for( int x: arr){

cout<<x<<" ";

}

return 0;

}

Q2: Limak and Tests

Solution:

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\* PROBLEM STATEMENT :

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#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;

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;

}