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

int main(){

int n, mn = int(1e9), mx = -int(1e9); cin >> n;

for(int i = 1; i <= n; ++i){

int x;

cin >> x;

mn = min(mn, x);

mx = max(mx, x);

}

cout << min(abs(mn), abs(mx)) + mx - mn;

return 0;

}