Problem Link:

<https://codeforces.com/problemset/problem/1537/B>

Solution:

* **#include** <bits/stdc++.h>
* **using** **namespace** std;
* **int** main() {
* **int** t;
* cin >> t;
* **while**(t--) {
* **long** **long** n, m, i, j;
* cin >> n >> m >> i >> j;
* pair<**long** **long**, **long** **long**> a = {1,1}, b = {n,m}, c = {1,m}, d = {n,1};
* pair<**long** **long**, **long** **long**> p1 = a, p2 = b;
* **long** **long** mx = abs(i - a.first) + abs(j - a.second) + abs(a.first - b.first) + abs(a.second - b.second) + abs(b.first - i) + abs(b.second - j);
* **long** **long** d2 = abs(i - c.first) + abs(j - c.second) + abs(c.first - d.first) + abs(c.second - d.second) + abs(d.first - i) + abs(d.second - j);
* **if**(d2 > mx)
* {
* p1 = c;
* p2 = d;
* mx = d2;
* }
* cout << p1.first << **" "** << p1.second << **" "** << p2.first << **" "** << p2.second << **"\n"**;
* }
* }