**code**

#pragma warning (disable:4996)

#include <iostream>

#include <utility>

#include <vector>

#include <cmath>

using namespace std;

typedef pair<float, float> PF;

int main() {

int tc, n; // testcase, number

vector<PF> v; // points coordinate

float ans;

//read file and write file

freopen("input.txt", "r", stdin);

freopen("output.txt", "w", stdout);

cin >> tc; // test case 3

// cout = write result

// clog = show input and output

cout << fixed;

clog << fixed;

//two decimal place

cout.precision(2);

clog.precision(2);

while (tc--) {

//algorithm

cin >> n;

clog << n << endl;

ans = 0;

v.resize(n);

for (int i = 0; i < n; i++) {

PF pf;

cin >> pf.first >> pf.second;

clog << pf.first << " " << pf.second << endl;

v[i] = pf;

}

clog << endl;

for (int i = 0; i < n-1; i++) {

float \_Min= 0x1fffff;

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

float tmp = sqrt(pow(v[i].first - v[j].first,2) + pow(v[i].second - v[j].second,2));

\_Min = \_Min < tmp ? \_Min : tmp;

}

ans += \_Min;

}

cout << ans << endl;

clog << ans << endl << endl;

v.clear();

}

return 0;

}

**Input text**

3

3

1.0 1.0

2.0 2.0

2.0 4.0

5

1.0 1.0

4.0 4.0

7.0 7.0

9.0 9.0

2.0 2.0

7

4.0 4.0

4.0 4.0

4.0 4.0

4.0 4.0

3.0 3.0

3.0 3.0

3.0 3.0

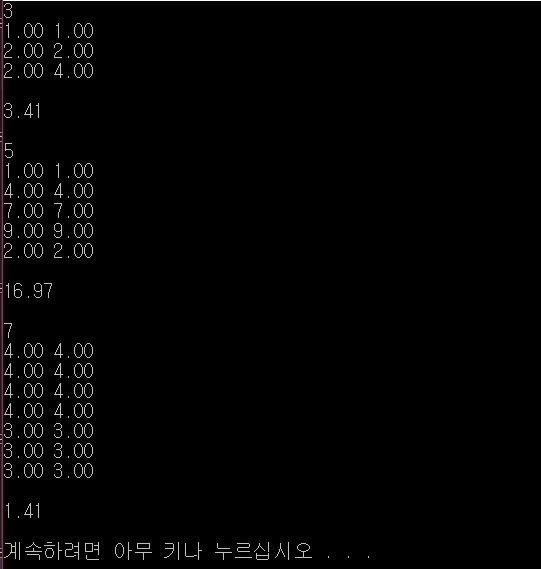
**output**

3.41

16.97

1.41

**Screen**

****