

You are given a function **sortArray** which takes an array of pairs, sort the given array in **ascending** order of their sum.

**Code:**

```
#include <iostream>

#include <vector>

#include <algorithm>

using namespace std;

bool compare(pair<int, int>& p1, pair<int, int>& p2) {
    return (p1.first + p1.second) < (p2.first + p2.second);
}

void sortArray(vector<pair<int, int>>& arr) {
    sort(arr.begin(), arr.end(), compare);
}

int main() {
    int n;
    cin >> n;
    vector<pair<int, int>> arr(n);

    for (int i = 0; i < n; i++) {
        cin >> arr[i].first >> arr[i].second;
    }

    sortArray(arr);

    for (auto& p : arr) {
```

```
    cout << p.first << " " << p.second << endl;  
}  
  
return 0;  
}
```