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☆ Connect the two paths

Overview

Given an *n* x *n* grid and two pair of points (*A, B*) and (*P, Q*). determine if it is possible to connect the A to B and P to Q without intersecting paths. Valid paths are those composed *only* with straight vertical and/or horizontal lines -- diagonal lines are not permitted.

Definitions

- each point (e.g. A, B, P, Q) will have an *x* and *y* component
- the *x* axis is horizontal
- the *y* axis is vertical
- the point (0, 0) is located at the top-left corner of the grid
- the point (n, n) is located at the bottom-right corner of the grid

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YOUR ANSWER

We recommend you take a quick tour of our editor before you proceed.
The timer will pause up to 90 seconds for the tour. Start tour

Original code | C++

```
#include ↔

using namespace std;


/*
 * Complete the function below.
 */
bool has_non_intersecting_path(int n, pair<int, int> A, pair<int, int> B, pair<int, int> P, pair<int,int> Q) {


}
```

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```
82
```

Line: 28 Col: 1

Test against custom input Run Code Submit code & Continue

(You can submit any number of times)

Download sample test cases *The input/output files have Unix line endings. Do not use Notepad to edit them on windows.*