

Campus: C++ Jr Dev #3- 2017

① 01h : 29m : 16s to test end



☆ Connect the two paths



1

Overview

Given an $n \times n$ 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.

2

3

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.

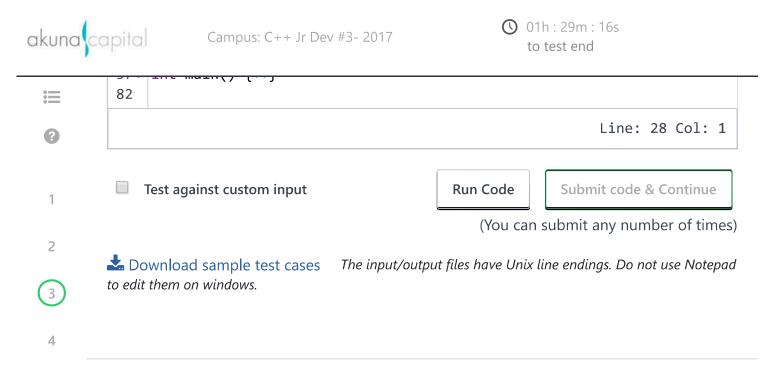
The timer will pause up to 90 seconds for the tour.

Start tour

C++Original code Ö 1 ▶ #include ↔ 24 25 using namespace std; 26 27 28 ▼ /* 29 * Complete the function below. */ 30 31 ▼ bool has_non_intersecting_path(int n, pair<int, int> A, pair<int, int> B, pair<int, int> P, pair<int,int> Q) { 32 33 34 } 35 36

X

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