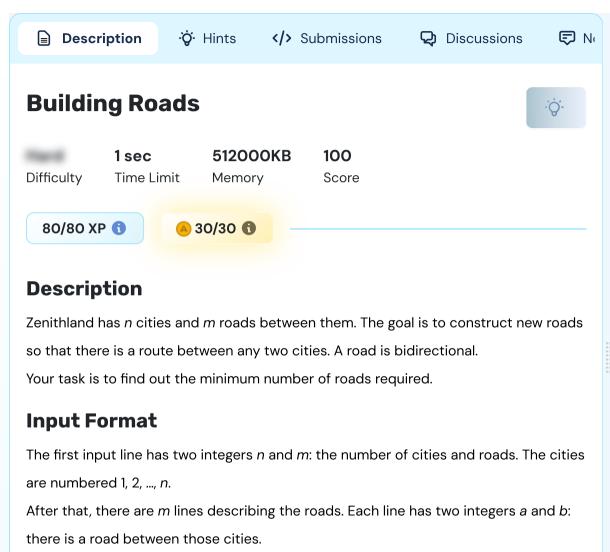
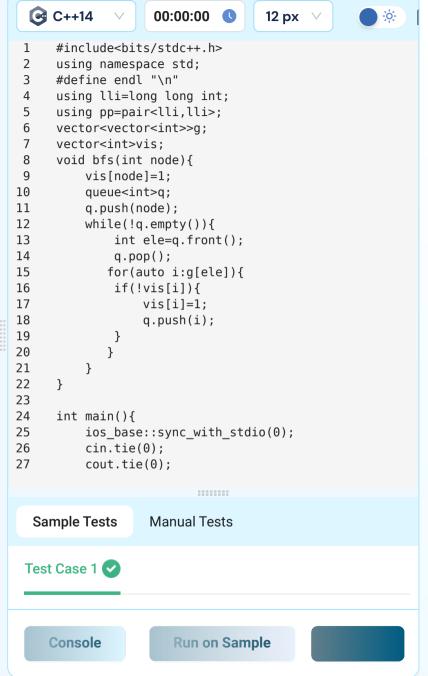
any two cities.

Output Format



A road always connects two different cities, and there is at most one road between



Drint the number of minimum roads required