

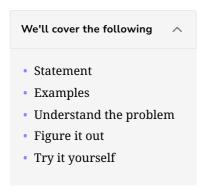
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# Two City Scheduling

Try to solve the Two City Scheduling problem.



#### **Statement**

A recruiter plans to hire n people and conducts their interviews at two different locations of the company. He evaluates the cost of inviting candidates to both these locations. The plan is to invite 50% at one location, and the rest at the other location, keeping costs to a minimum.

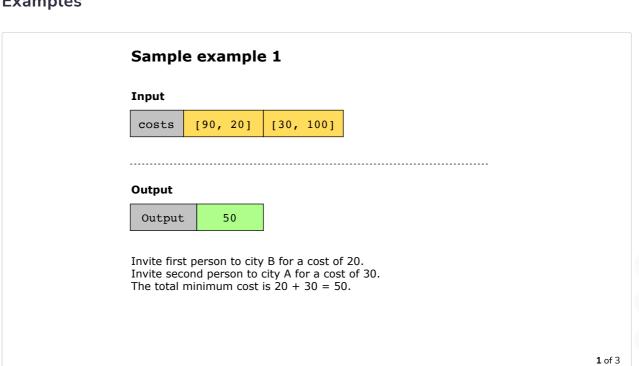
We are given an array,  $\mathtt{costs}$ , where  $costs[i] = [aCost_i, bCost_i]$ , the cost of inviting the  $i^{th}$  person to City Ais  $aCost_i$ , and the cost of inviting the same person to City B is  $bCost_i$ .

You need to determine the minimum cost to invite all the candidates for the interview such that exactly n/2people are invited in each city.

#### **Constraints:**

- $2 \leq \text{costs.length} \leq 100$
- costs.length is even
- $1 \leq aCost_i, bCost_i \leq 1000$

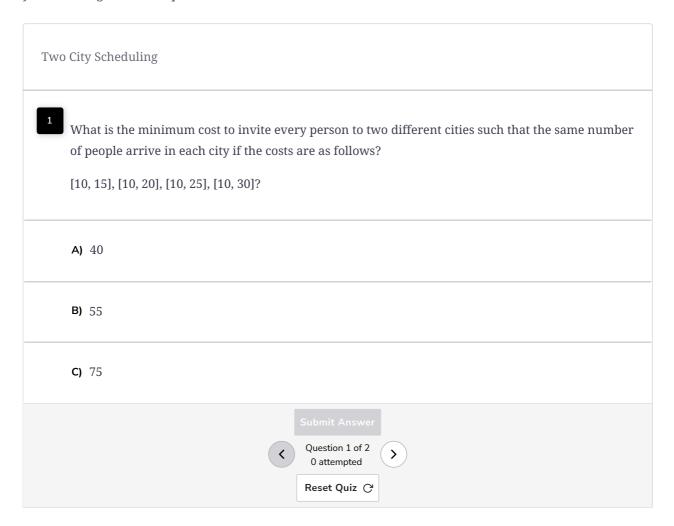
### **Examples**





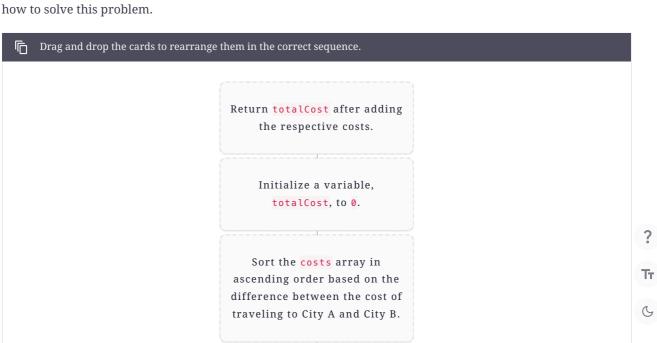
## Understand the problem

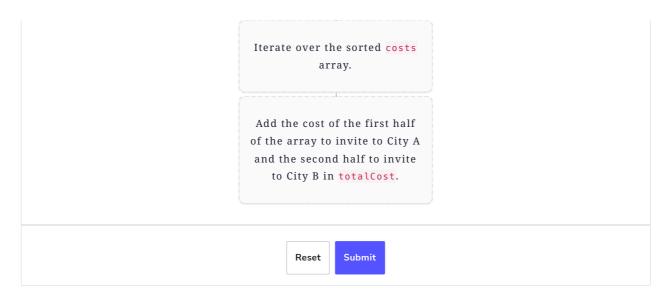
Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:



## Figure it out

We have a game for you to play. Rearrange the logical building blocks to develop a clearer understanding of how to solve this problem.

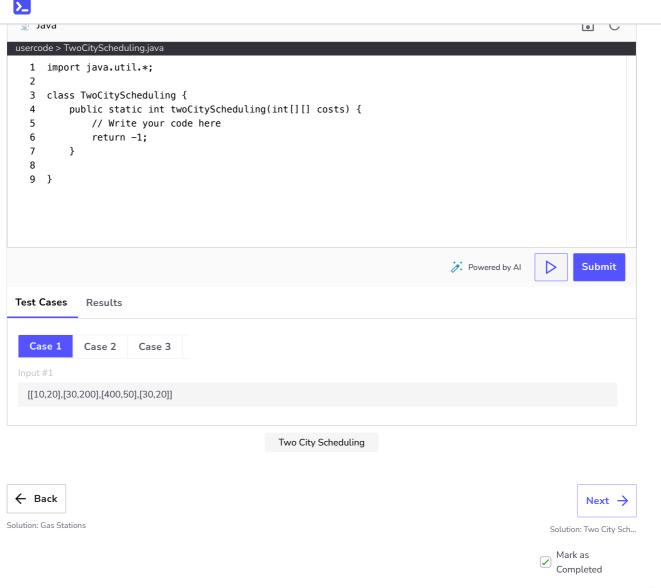




# Try it yourself

Implement your solution in TwoCityScheduling, iava in the following coding playground.





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