

1029. Two City Scheduling

Description

A company is planning to interview $2n$ people. Given the array `costs` where `costs[i] = [aCosti, bCosti]`, the cost of flying the i^{th} person to city `a` is `aCosti`, and the cost of flying the i^{th} person to city `b` is `bCosti`.

Return *the minimum cost to fly every person to a city* such that exactly `n` people arrive in each city.

Example 1:

Input: `costs = [[10,20],[30,200],[400,50],[30,20]]`

Output: 110

Explanation:

The first person goes to city A for a cost of 10.

The second person goes to city A for a cost of 30.

The third person goes to city B for a cost of 50.

The fourth person goes to city B for a cost of 20.

The total minimum cost is $10 + 30 + 50 + 20 = 110$ to have half the people interviewing in each city.

Example 2:

Input: `costs = [[259,770],[448,54],[926,667],[184,139],[840,118],[577,469]]`

Output: 1859

Example 3:

Input: `costs = [[515,563],[451,713],[537,709],[343,819],[855,779],[457,60],[650,359],[631,42]]`

Output: 3086

Constraints:

- $2 * n == \text{costs.length}$
- $2 \leq \text{costs.length} \leq 100$
- `costs.length` is even.
- $1 \leq \text{aCost}_i, \text{bCost}_i \leq 1000$

