Problem | Submissions | Editorials | Lachezar

Shipping and Receiving

Question 402 of 1031

Medium

You are given a two-dimensional list of integers `ports` where `ports[i]` represents the list of ports that port `i` is connected to. You are also given another two-dimensional list of integers `shipments` where each list of the form `[port_i, port_j]` which means there is a shipment request from `port_i` to `port_j`.

Given that the cost to ship `port_i` to `port_j` is the length of the shortest path from the two ports, return the total cost necessary to send all the shipments. If there's not a path between two ports, the cost is `0`.

Constraints

- `p ≤ 100` where `p` is the length of `ports`
- `s ≤ 10,000` where `s` is the length of `shipments`

Example 1

Input

```
ports = [
    [2, 3],
    [2],
    [1, 0],
    [4],
    []
]
shipments = [
    [2, 4]
]
```

Output

```
3
```

Solved	314	Attempted	370	Rate	84.87%

Hint #1 +

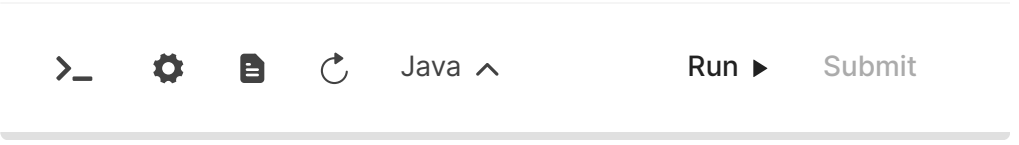
Topics +

Contributed by **lawrence**, **1319** +

```java
import java.util.*;

class Solution {
    public int solve(int[][] ports, int[][] shipments) {

    }
}
```


Java
Run
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