

815. Bus Routes

24

2

- Description
- Hints
- Submissions
- Discuss
- Solution

Pick One

We have a list of bus routes. Each `routes[i]` is a bus route that the i-th bus repeats forever. For example if `routes[0] = [1, 5, 7]`, this means that the first bus (0-th indexed) travels in the sequence 1->5->7->1->5->7->1->... forever.

We start at bus stop `S` (initially not on a bus), and we want to go to bus stop `T`. Travelling by buses only, what is the least number of buses we must take to reach our destination? Return -1 if it is not possible.

Example:
Input:
`routes = [[1, 2, 7], [3, 6, 7]]`
`S = 1`
`T = 6`
Output: 2
Explanation:
The best strategy is take the first bus to the bus stop 7, then take the second bus to the bus stop 6.

Note:

- `1 <= routes.length <= 500`.
- `1 <= routes[i].length <= 500`.
- `0 <= routes[i][j] < 10 ^ 6`.

Difficulty:

Hard

Total Accepted:

852

Total Submissions:

2.9K

Contributor:

awice

Subscribe to see which companies asked this question.

[Related Topics](#)