

743. Network Delay Time

Medium Topics Companies Hint

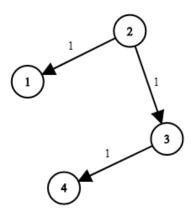
You are given a network of n nodes, labeled from 1 to n. You are also given times, a list of travel times as directed edges times [i] = (

88

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We will send a signal from a given node k. Return the **minimum** time it takes for all the n nodes to receive the signal. If it is impossible for a

Example 1:



Input: times = [[2,1,1],[2,3,1],[3,4,1]], n = 4, k = 2
Output: 2

Example 2:

Input: times = [[1,2,1]], n = 2, k = 1
Output: 1

Example 3:

Input: times = [[1,2,1]], n = 2, k = 2
Output: -1

Constraints:

- 1 <= k <= n <= 100
- 1 <= times.length <= 6000
- times[i].length == 3
- 1 <= u_i , v_i <= n
- \bullet u_i != v_i
- \bullet 0 <= w_i <= 100
- All the pairs (u_i, v_i) are **unique**. (i.e., no multiple edges.)

Seen this question in a real interview before? 1/4

Yes No

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