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743. Network Delay Time**
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 [] = (ui, vi, wi), where ui is the source node, vi is the target node, and wi is the time it takes for a signal to travel from source to target.
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 all the n nodes to receive the 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 all the n nodes to receive the 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 all the n nodes to receive the 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 all the n nodes to receive the signal from a given node k. Return the minimum time it takes for all the n nodes to receive the signal from the nodes to receive the nodes 
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 <= ui, vi <= n
ui != vi
0 <= wi <= 100
All the pairs (ui, vi) are unique. (i.e., no multiple edges.)
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import heapq
class Solution(object):
  def networkDelayTime(self, times, n, k):
     :type times: List[List[int]]
     :type n: int
     :type k: int
     :rtype: int
     # Initialize distance array, fill with infinity
     dist = [float('inf')] * (n + 1)
     dist[k] = 0
     # Priority queue to get the node with the shortest distance
     pq = [(0, k)]
     while pq:
       time, node = heapq.heappop(pq)
        # Process each edge from the current node
        for u, v, w in times:
          if u == node:
            new_time = time + w
            if new_time < dist[v]:
               dist[v] = new_time
               heapq.heappush(pq, (new_time, v))
     # Find the maximum distance in the distance array
     max_time = max(dist[1:])
     return max_time if max_time < float('inf') else -1
```