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Chat gpt code

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def networkDelayTime(times, n, k):
    # Step 2: Initialize distance array
    distances = [float('inf')] * n
    distances[k-1] = 0 # Set distance to source node as 0
    # Step 3 and 4: Bellman-Ford Algorithm
    for _ in range(n-1):
        for u, v, w in times:
            if distances[u-1] + w < distances[v-1]:</pre>
                distances[v-1] = distances[u-1] + w
    # Step 7: Check for infinite distances
    max_distance = max(distances)
    if max distance == float('inf'):
        return -1
    else:
        return max_distance
# Test data
times = [[2, 1, 1], [2, 3, 1], [3, 4, 1]]
n = 4
k = 2
# Call the function and print the output
print(networkDelayTime(times, n, k)) # Output: 2
```

Test case



