Our Solution(s) Run Code

Solution 1

```python
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# O(a * (a + r) + a + r + alog(a)) time | O(a + r) space - where a is
def airportConnections(airports, routes, startingAirport):
    airportGraph = createAirportGraph(airports, routes)
    unreachableAirportNodes = getUnreachableAirportNodes(airportGraph
    markUnreachableConnections(airportGraph, unreachableAirportNodes)
    return getMinNumberOfNewConnections(airportGraph, unreachableAirpo


# O(a + r) time | O(a + r) space
def createAirportGraph(airports, routes):
    airportGraph = {}
    for airport in airports:
        airportGraph[airport] = AirportNode(airport)
    for route in routes:
        airport, connection = route
        airportGraph[airport].connections.append(connection)
    return airportGraph


# O(a + r) time | O(a) space
def getUnreachableAirportNodes(airportGraph, airports, startingAirport
    visitedAirports = {}
    depthFirstTraverseAirports(airportGraph, startingAirport, visitedA

    unreachableAirportNodes = []
    for airport in airports:
        if airport in visitedAirports:
            continue
        airportNode = airportGraph[airport]
        airportNode.isReachable = False
        unreachableAirportNodes.append(airportNode)
```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```python
def airportConnections(airports, routes, startingAirport):
    # Write your code here.
    pass

```

Our Tests

Custom Output Submit Code

Run or submit code when you're ready.