The complexity of **Queue.**

|  |  |
| --- | --- |
| **Function** | **Complexity** |
| Enqueue | O (1) |
| Dequeue | O (1) |
| isEmpty | O (1) |

**Area.h**

|  |  |
| --- | --- |
| **Function** | **Complexity** |
| getNumLanes | O (1) |
| getAreasNum | O (1) |
| InsertLanes | O (1) |
| getVIPlane | O (n) |
| getNORMlane | O (n) |
| getNumVIP | O (1) |
| getNumLanes | O (1) |

**Lanes.h**

**Lane.h**

|  |  |
| --- | --- |
| **Function** | **Complexity** |
| check | O (1) |
| getType | O (1) |
| Activate | O (1) |
| Serving | O (1) |

**Schedular.cpp**

|  |  |
| --- | --- |
| **Function** | **Complexity** |
| readFile | O (n^2) |
|  |  |

|  |  |
| --- | --- |
| **Function** | **Complexity** |
| isEmpty | O (1) |
| isFull | O (1) |
| dequeue | O (1) |
| enqueue | O (n) |

**PriorityQueue**

**Flights.h:**

|  |  |
| --- | --- |
| **Function** | **Complexity** |
| AutoP | O (1) |
| getType | O (1) |
| promote | O (n) |
| getpassengers | O (1) |
| getBT | O (1) |
| getST | O (1) |
| getWT | O (1) |