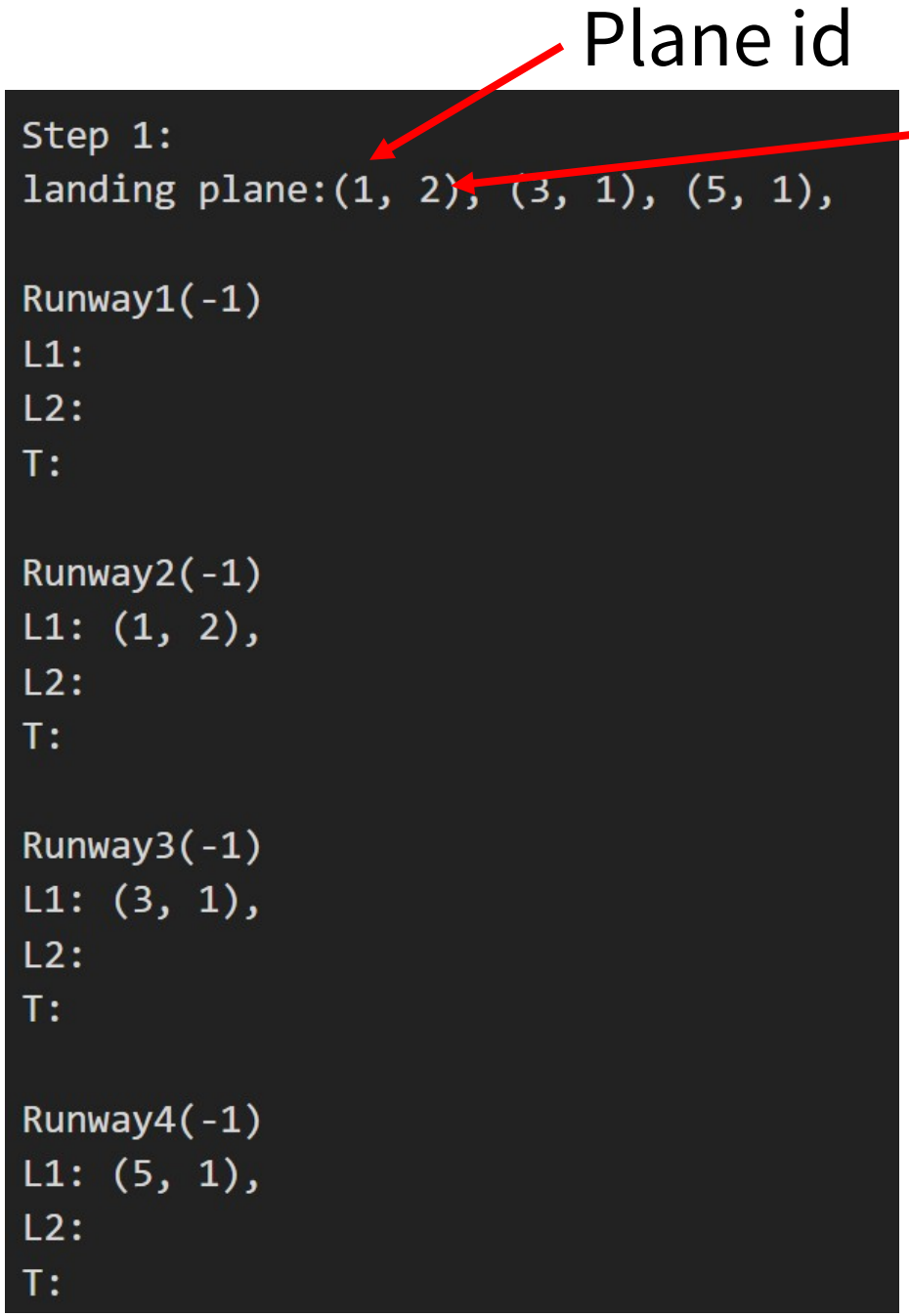
```
Simulation Time: 1

Runway1(-1)
L1:
L2:
T:

Runway2(-1)
L1:
L2:
T:

Runway3(-1)
L1:
L2:
T:

Runway4(-1)
L1:
L2:
T:
```

T = 1

Step 0:
Initial queue state



T = 1

Step 1:
Handle landing planes.

Plane id

```
Step 2:
takeoff plane:(0),

Runway1(-1)
L1:
L2:
T: (0),

Runway2(-1)
L1: (1, 2),
L2:
T:

Runway3(-1)
L1: (3, 1),
L2:
T:

Runway4(-1)
L1: (5, 1),
L2:
T:
```

T = 1

Step 2:
Handle takeoff planes.

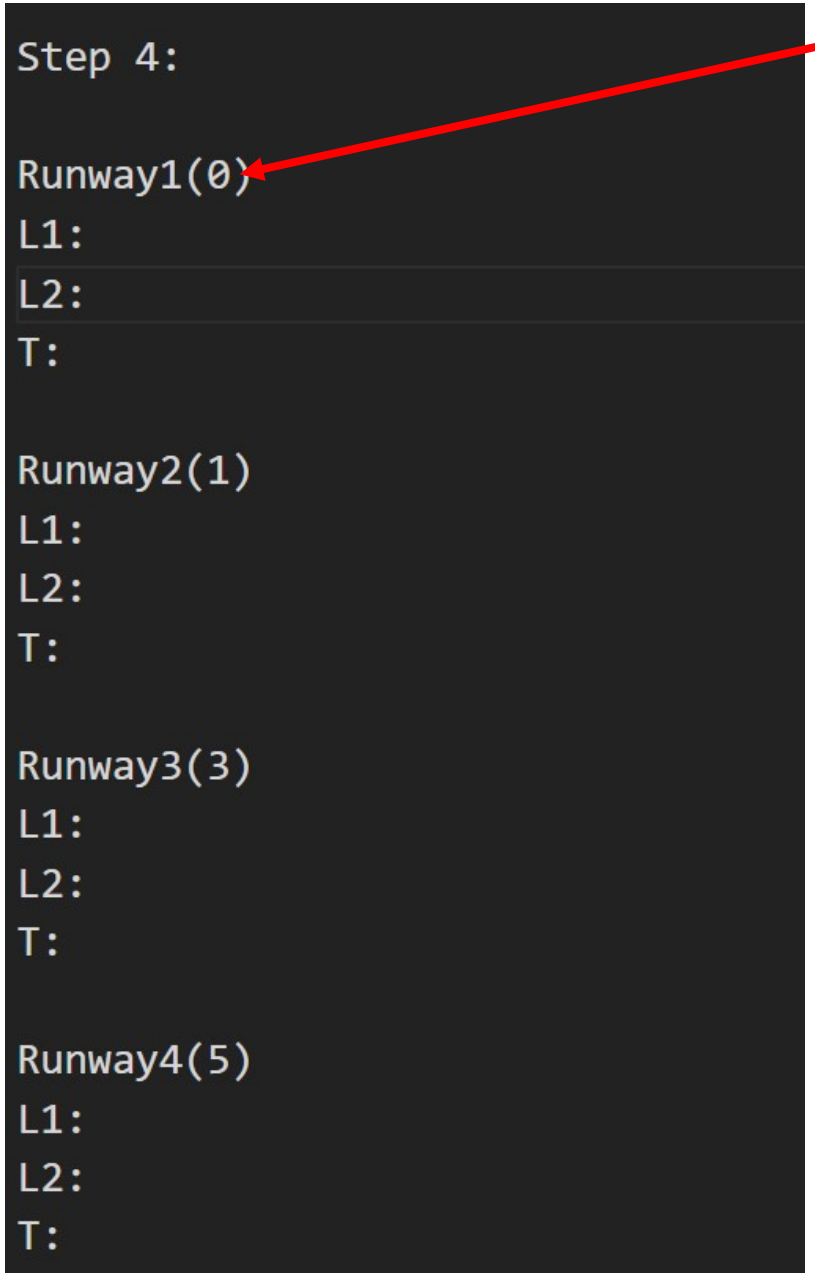
```
Step 3:
emergency plane:

Runway1(-1)
L1:
L2:
T: (0),

Runway2(-1)
L1: (1, 2),
L2:
T:

Runway3(-1)
L1: (3, 1),
L2:
T:

Runway4(-1)
L1: (5, 1),
L2:
T:
```

If there are emergent planes, you need to print their id here.

$$T = 1$$

Step 3:
Check whether there are emergent planes.

Id of the chosen plane.



$$T = 1$$

Step 4:
Each empty runway chooses a plane.

```
How Many Time Unit You Want to Simulate: 500
average landing waiting time: 1.391(s)
average takeoff waiting time: 3.007(s)
average fuel saved: 4.201(s)
total plane in emergency: 182
total plane crased: 0
```

After simulation, you need to print the statistics information.