Q3 Implement an Edge Chasing Algorithm

Graph Input

```python
node = Node(6)
node.add_edge(0, (0, 1))
node.add_edge(1, (1, 4))
node.add_edge(2, (2, 4))
node.add_edge(3, (3, 0))
node.add_edge(4, (4, 3))
node.add_edge(5, (5, 1))
```

```
PS D:\#4 CSE CLG\8th SEM 2023\TDS\Assignment-2\Code Files> python -u "d:\#4 CSE CLG\8th SEM 202
3\TDS\Assignment-2\Code Files\EdgeChasing.py"
Deadlock detected involving process 0
PS D:\#4 CSE CLG\8th SEM 2023\TDS\Assignment-2\Code Files>
```

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Graph Input

```python
node = Node(10)
node.add_edge(0, (0, 1))
node.add_edge(0, (0, 2))
node.add_edge(1, (1, 3))
node.add_edge(2, (2, 4))
node.add_edge(3, (3, 4))
node.add_edge(4, (4, 5))
node.add_edge(4, (4, 6))
node.add_edge(6, (6, 7))
node.add_edge(7, (7, 8))
node.add_edge(8, (8, 9))
```

```
Deadlock detected involving process 0
PS D:\#4 CSE CLG\8th SEM 2023\TDS\Assignment-2\Code Files> python -u "d:\#4 CSE CLG\8th
SEM 2023\TDS\Assignment-2\Code Files\EdgeChasing.py"
No deadlocks detected
PS D:\#4 CSE CLG\8th SEM 2023\TDS\Assignment-2\Code Files>
```

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