

1. Testing:

One sample output from a test run with commandline arguments 5 10

```
sum of degrees: 40
index: 0, degree: 5, adjacents: 1, 2, 3, 4, 14
index: 1, degree: 7, adjacents: 0, 2, 3, 4, 7, 8, 10
index: 2, degree: 5, adjacents: 0, 1, 3, 4, 13
index: 3, degree: 5, adjacents: 0, 1, 2, 4, 9
index: 4, degree: 6, adjacents: 0, 1, 2, 3, 5, 6
index: 5, degree: 2, adjacents: 4, 12
index: 6, degree: 1, adjacents: 4
index: 7, degree: 1, adjacents: 1
index: 8, degree: 1, adjacents: 1
index: 9, degree: 2, adjacents: 3, 11
index: 10, degree: 1, adjacents: 1
index: 11, degree: 1, adjacents: 9
index: 12, degree: 1, adjacents: 5
index: 13, degree: 1, adjacents: 2
index: 14, degree: 1, adjacents: 0
```

```
remove 11
sum of degrees: 38
index: 0, degree: 5, adjacents: 1, 2, 3, 4, 14
index: 1, degree: 7, adjacents: 0, 2, 3, 4, 7, 8, 10
index: 2, degree: 5, adjacents: 0, 1, 3, 4, 13
index: 3, degree: 5, adjacents: 0, 1, 2, 4, 9
index: 4, degree: 6, adjacents: 0, 1, 2, 3, 5, 6
index: 5, degree: 2, adjacents: 4, 12
index: 6, degree: 1, adjacents: 4
index: 7, degree: 1, adjacents: 1
index: 8, degree: 1, adjacents: 1
index: 9, degree: 1, adjacents: 3
index: 10, degree: 1, adjacents: 1
index: 12, degree: 1, adjacents: 5
index: 13, degree: 1, adjacents: 2
index: 14, degree: 1, adjacents: 0
```

```
remove 1
sum of degrees: 24
index: 0, degree: 4, adjacents: 2, 3, 4, 14
index: 2, degree: 4, adjacents: 0, 3, 4, 13
index: 3, degree: 4, adjacents: 0, 2, 4, 9
index: 4, degree: 5, adjacents: 0, 2, 3, 5, 6
index: 5, degree: 2, adjacents: 4, 12
index: 6, degree: 1, adjacents: 4
```

```
index: 7, degree: 0, adjacents: None
index: 8, degree: 0, adjacents: None
index: 9, degree: 1, adjacents: 3
index: 10, degree: 0, adjacents: None
index: 12, degree: 1, adjacents: 5
index: 13, degree: 1, adjacents: 2
index: 14, degree: 1, adjacents: 0
```

2

Note that the number following remove is the index in the Vertex list, starting from 0.

The output shows correct execution of the program.