Output Screenshot:

```
Test Case 1
Not Connected
Not Complete
```

Vertices	Out	In	Total
1	2	2	4
2	1	1	2
3	1	1	2
4	3	3	6
5	1	1	2

```
Test Case 2
Connected
Complete
```

Vertices	Out	In	Total
1	3	3	6
2	3	3	6
3	3	3	6
4	3	3	6

```
Test Case 3
Not Connected
Not Complete
```

Vertices	Out	In	Total
1	3	3	6
2	3	3	6
3	3	3	6
4	3	3	6
5	0	0	0

```
Test Case 4
Not Connected
Not Complete
```

Vertices	Out	In	Total
1	0	1	1
2	1	3	4
3	2	2	4
4	3	2	5
5	3	1	4