

Output Screenshot:

```
TEST CASE 1
Not Connected Graph
Complete Graph
verticesOut    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 Graph
Complete Graph
verticesOut    In    Total
1      3      3      6
2      3      3      6
3      3      3      6
4      3      3      6

TEST CASE 3
Not Connected Graph
Complete Graph
verticesOut    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 Graph
Not Complete Graph
verticesOut    In    Total
1      0      1      1
2      1      3      4
3      2      2      4
4      3      2      5
5      3      1      4
```