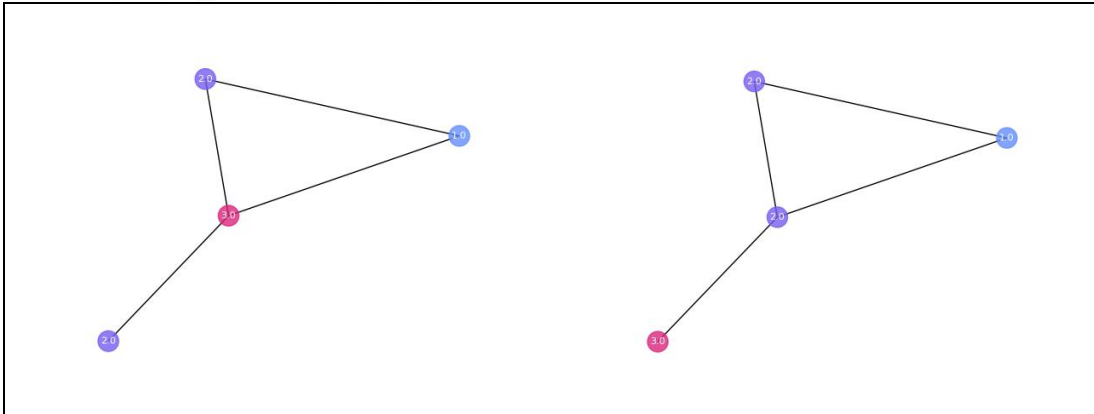


## Why the test failed

```
0,0,1,0,0 0,0,1,1,1
0,0,0,0,0 0,0,0,0,0
1,0,0,0,0 1,0,0,1,1
0,0,0,0,0 1,0,1,0,1
0,0,0,0,0 1,0,1,1,0
```

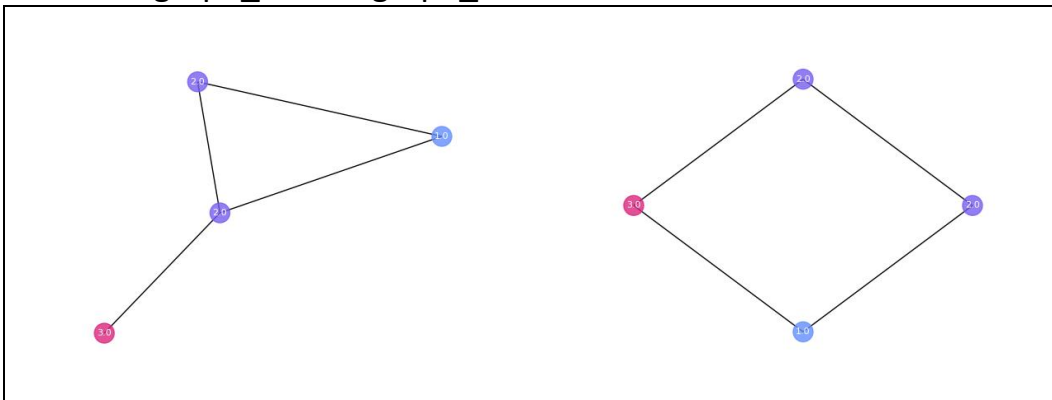
Ground truth and naive\_graph\_isomorphism result

First is graph\_00 and graph\_03:



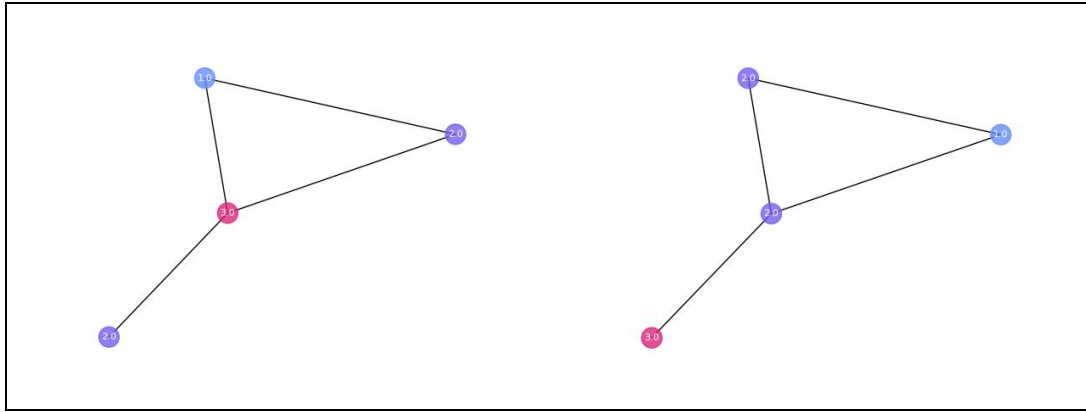
Although these two graph satisfy the three conditions we gave, they are not isomorphic. We can see in first graph, two 2.0 labeled nodes are not neighbors, but in second graph they are. Since knowing numbers of nodes and edges can not let us know the relationship between each node and edge.

Second is graph\_00 and graph\_04:



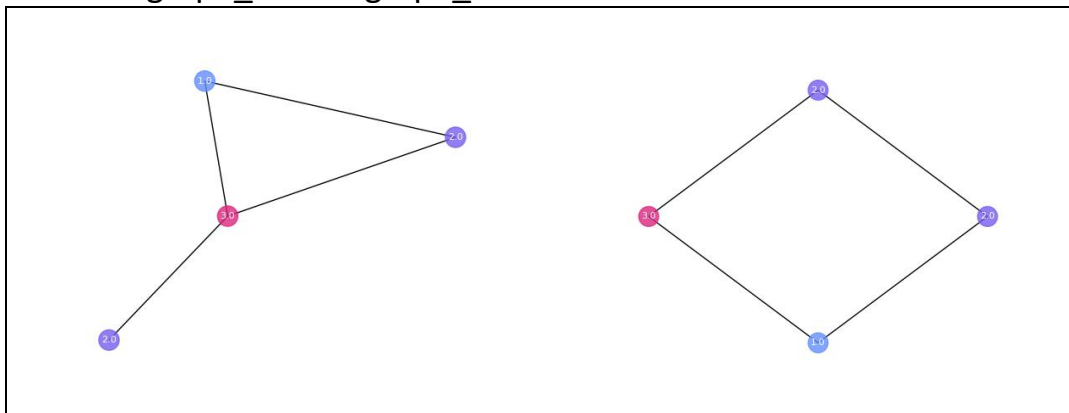
1.0 and 3.0 are not neighbors in graph\_00 but in graph\_04.

Third is graph\_02 and graph\_03:



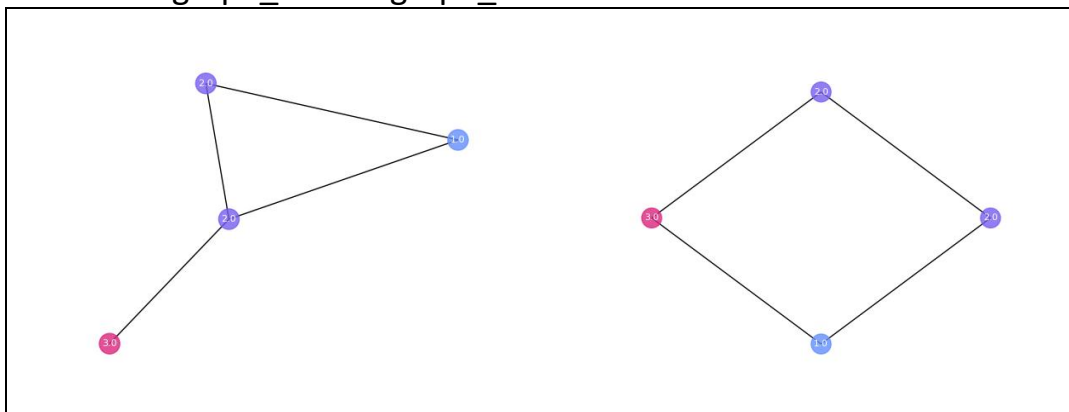
1.0 and 3.0 are neighbors in graph\_02 but graph\_03 not.

Fourth is graph\_02 and graph\_04:



2.0 and 2.0 are not neighbors in graph\_02 but neighbored in graph\_04.

Last one is graph\_03 and graph\_04:



1.0 and 3.0 are not neighbors in graph\_03 but neighbored in graph\_04.