







Applying Reduction,
In graph G', there is no lique of size 3, so, in Graph G there is no independent size of g=3.

Graph G there is not an element of lique.

## # 4 Problem.

- (a) A contification a set of nodes from the graph and the certification return true if there is an edge between every pair of nodes otherwise returns fals.
- The given argument is failing to follow the recepie because the reduction is in the wrong direction. We must reduce there to clique -3
- o cis a vertex cover it and only if V-c is an independent set in 4.

