

Ass 5

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1 Algorithm

Basically we have to find cut edges as they keep connectivity of graphs

Practically , whenever we add a new edge 3 cases are possible.

It is added in some existing cycle

On being added it forms a new cycle

It is not part of any cycle

1.1 Case 1:

Nothing Happens

if we add new edge in some existing cycle then no effect will be seen

1.2 Case 2:

Some of the edges that were cut edges now won't be

1.3 Case 3:

New edges is a cut edge