

Proof. Since G is a tree, then G is conn. and has n-1 edges.

Proof. Since G is a tree jt is acyclic be connected by Lefn. Then,

For G to be connected we need at least n-1 edges.

Because, By addry he initial edge, we connected by verhees and with engry addrightene connect 1 more vertex)

For G to be coarded we an have at most n-1 edges. (Assure eve have in edges. Then, we have to inholae a cycle bec. n-1 edges alregimate G connected so address than it has a cycle. So we are done B.

Proof. G is connected about (goins we only need to prove it is acyclic.

Assure it has a cycle, contary be writtened and be edges, to make G correcte, we need to connect all one you be writtened as the not edges.



n-1=4 Edges keepit ackk-don't he angey(_ 4h



