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are positive integers.

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S.Dasgupta,C.H.Papadimitriou,andU.V.Vazirani 141 Trees A tree is an undirected graph that is connected and acyclic. Much of what makes trees so useful is the simplicity of their structure. For instance, Property 2 A tree on n nodes has $n - 1$ edges. This can be seen by building the tree one edge at a time, starting from an empty graph.

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