## Spanning Tree

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- A spanning tree, which spans the graph G, is a tree that connects to each vertex of the graph G.
- The spanning tree has all the same properties of other trees, i.e simple graph with no cycles and no loops.
- A tree that contains only vertices of degree one or two is called a path graph.
  If two path graphs contain the same number of vertices, then they are isomorphic.

► Find ALL non-isomorphic spanning trees of the graph **G**.