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spanning tree

Canonical name SpanningTree

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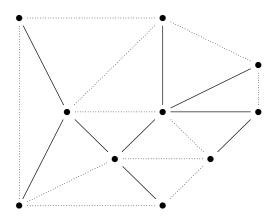
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Entry type Definition Classification msc 05C05

Related topic Tree Related topic Graph

Related topic MinimumSpanningTree Related topic DepthFirstSearch2 Related topic DepthFirstSearch A spanning tree of a (connected) graph G is a connected, acyclic subgraph of G that contains all of the vertices of G. Below is an example of a spanning tree T, where the edges in T are drawn as solid lines and the edges in G but not in T are drawn as dotted lines.



For any tree there is exactly one spanning tree: the tree itself.