Known as Boruvka's Algorithm, this will find the minimum weight spanning tree for a graph. NOTE: If the graph is disconnected (i.e. there is not single spanning path) then this algorithm will return a forest or set of subgraphs with minimum spanning trees:

Text, letter

Description automatically generated

An animation of how it works is shown here:

[Diagram

Description automatically generated](https://commons.wikimedia.org/wiki/File:Boruvka%27s_algorithm_(Sollin%27s_algorithm)_Anim.gif#/media/File:Boruvka%27s_algorithm_(Sollin%27s_algorithm)_Anim.gif)  
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