

Minimal Spanning Tree “The Traveling Salesman Problem”

You recently used a Minimal Spanning Tree to solve the networking problem for Muddy City. Minimal Spanning Trees are very useful when creating networks, such as gas and power networks in a city, or a wireless computer network in a school, or even a national telephone, highway, oil and airline networks.

Minimal Spanning Trees are also useful when solving other networking problems such as the “**Travelling Salesperson Problem.**” “The Traveling Salesman Problem” is when someone is trying to find the shortest route that visits every point on a network.

The UPS driver below is given a grid that shows him all the houses he must deliver a package to that day. He has to start at UPS warehouse and finish at the UPS warehouse. Please help the driver find the shortest route that visits every point in the network.



The Traveling Salesman Problem

