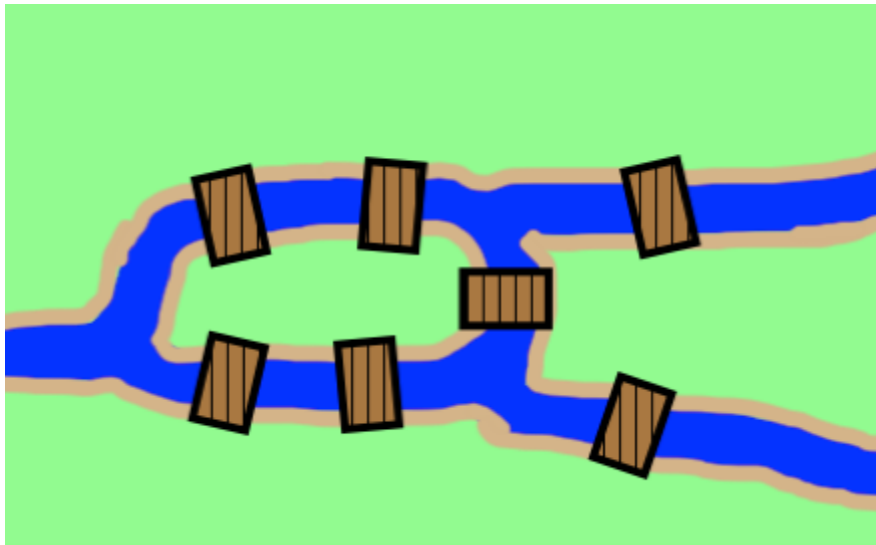
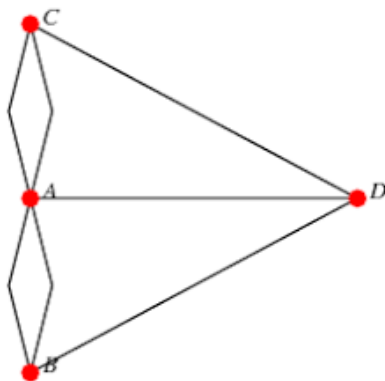


January 28th



This is the famous “Königsberg Bridge Problem”

This can be simplified, representing the bridges as lines or “arcs”
and the land masses as points or “nodes”



It can be proved that it is impossible to walk across each bridge once and only once:

To be able to do so (this is called “traversing the network”), you must be able to walk onto a node on a different arc from the one you walked in on, but....

in this case, all 4 nodes have an odd number of arcs leading from them so it is impossible to get around the whole network without arriving at an arc where you have already walked across all of the other arcs.