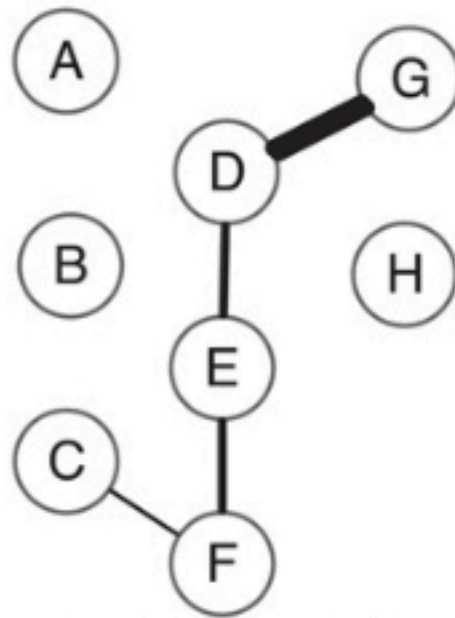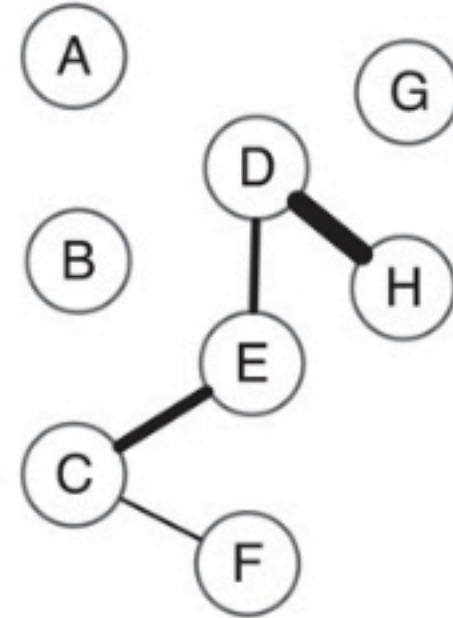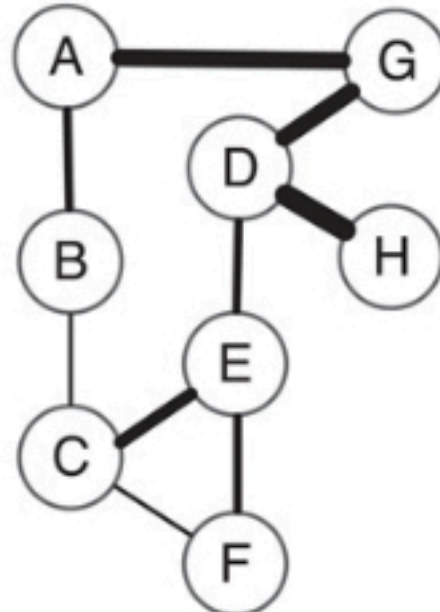Seriation solution 1    Seriation solution 2    Seriation solution 3
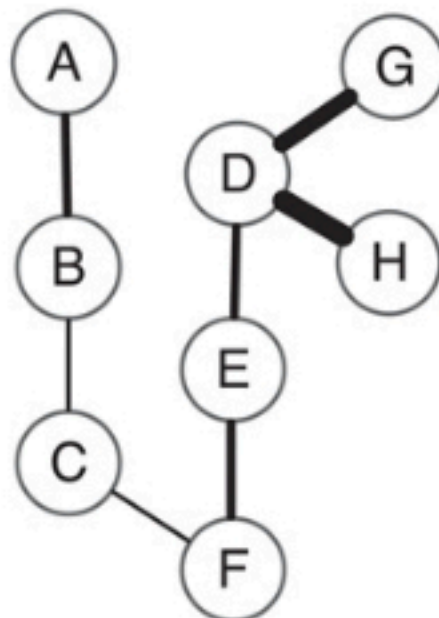
Merge individual seriation solutions to create aggregate graph.

Aggregate graph

Reduce graph to include minimum number of edges that link all nodes and that have the smallest weights between nodes while retaining equivalent weight edges. This is some what equivalent to a minimum spanning tree except that we start with building the graphs using the lowest weight edges while keeping edges of equal weight..

Minmax solution