

Modified Minimum Spanning Tree (Kruskal) algorithm.

Remove edges from graph where edge *weight* < *threshold*

MST(G,isRoot)

repeat

Choose the edge from G with the largest weight that has not already been chosen and which connects distinct trees

stop if(is Root) when Two trees remain,
else when Three trees remain

stop if no valid connecting edge can be found

Note: Take care to avoid creating cycles by ensuring that the number of trees is decremented at each step.