

**** Clusters2DTest123: testing MyGraph, KruskalAlgorithms, Partition**
**** the graph is complete with vertices representing points in the**
first figure in handout.
**** the 3 clusters (size 9,12,16) to be constructed must correspond**
to the clusters in the second figure in the handout.

Creating graph

>>>>> MyGraph() to-do1 needs to be implemented<<<<<<<<<<

>>>>> MyGraph() to-do2 needs to be implemented<<<<<<<<<<

Initializing Kruskal Algorithms

Next it will group vertices in 3 clusters.

before Kruskal Algorithm

after Kruskal Algorithm

Clusters created by the algorithm:

Cluster 1 (size=9): v9:(45,40),v11:(38,39),v12:(42,39),v5:
(38,42),v1:(39,44),v7:(41,41),v0:(41,45),v3:(44,43),v2:(42,43),
Cluster 2 (size=12): v15:(19,38),v16:(25,38),v18:(13,35),v20:
(12,34),v19:(9,34),v8:(13,40),v14:(12,38),v4:(10,42),v6:(8,41),v17:
(6,37),v13:(9,38),v10:(7,39),
Cluster 3 (size=16): v22:(26,25),v26:(22,22),v31:(38,13),v34:
(37,10),v33:(34,11),v36:(42,9),v35:(40,9),v32:(29,11),v30:
(26,16),v29:(31,18),v21:(32,27),v28:(35,20),v24:(34,23),v27:
(38,21),v25:(37,23),v23:(39,24)