Algorithm PA3 report B09901081 施伯儒

Data structures:

Disjoint set, vector

How to find answers:

- 1.Do Kruskal algorithm but edges are sorted from biggest to smallest
- 2.Record the edges to be deleted
- 3. If it is an undirected graph, it is done.
- 4. If the graph is directed, get a new graph G which is the original graph without all the deleted edges.
- 5.Add the deleted edges which have positive weight to G(one by one), and check whether there are cycles ⇒if there is a cycle, then that edge must be deleted ⇒if not, then that edge can be placed in the graph

Reference:

TA recitation week13 & week14 (there is Kruskal algorithm example in it)