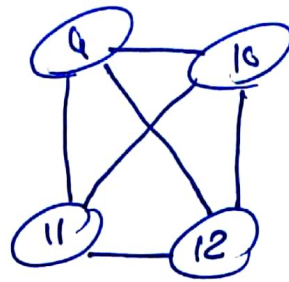
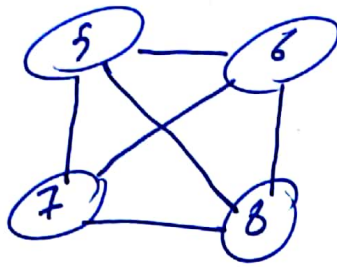
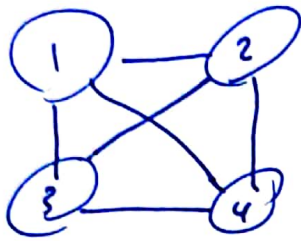


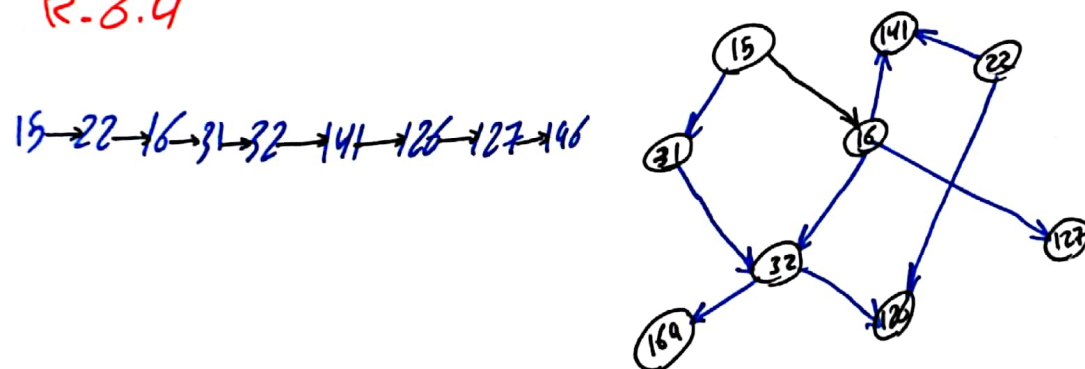
R-6.1

Assignment 12.1



Because we have 3 Connected Components
 & the Connected Component has to be separated of other
 or Not Connected with another Component.
 also the maximum of edges is 66 that mean each vertex
 Connected with others.

R-6.4



R-6.7

a) Adjacency list structure

↳ because the graph has 20,000 edges & matrix allocates 1,000,000,000 edges
 so that's wastes for space.

b) Adjacency matrix structure

↳ Cause the number of edges is the order of maximum possible number of
 that graph

c) the Query is Adjacency matrix because it's take only $O(1)$ for Adjacent