# R 6.1

Maximum edges are (12 \* 11) / 2 = 66 If we want only 3

connected components it would be impossible

# R 6.4

LA15 => LA22 => LA16 => LA31 => LA32 => LA126 => LA127 => LA141 => LA169

# R 6.7

1. Adjacency list since its space is 30,000 instead of 100,000,000
2. Adjacency list since its space is 20,010,000 instead of 100,000,000
3. Adjacency matrix since its areAdjacent takes only O(1)