Homework #5: Local Access Design

1) Given the topology below, the weight of each node is 1, and \( W = 3 \)

a) apply the greedy CMST algorithm. Highlight the trees (components) selected.

b) apply the Esau-Williams algorithm. Show procedure.

2) 5.1 (use Kruskal’s algorithm; diagonal entries not used.)

3) 5.3: the distance between 2 nodes is 1 \( \Rightarrow \) the distance between 2 adjacent nodes in the same row or same column is 1.