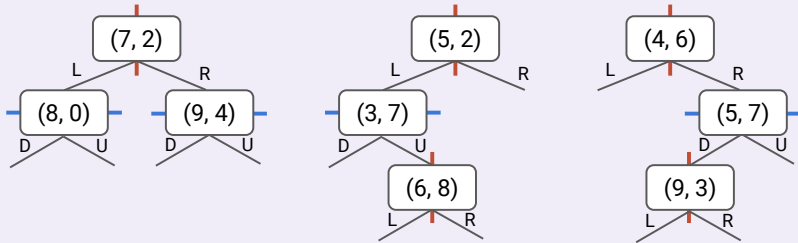


Q Which of these trees are valid 2-d trees?

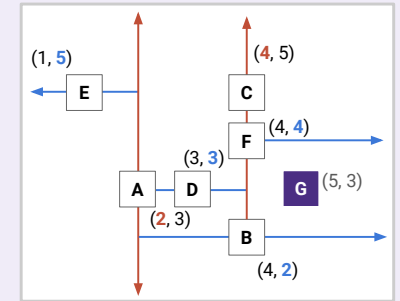
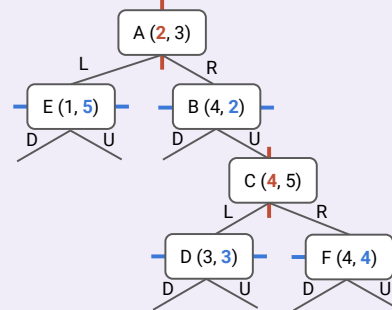


3

Q1: Which of these trees are valid 2-d trees?

Q 2-d Tree Insertion

Where would G go in the 2-d tree?

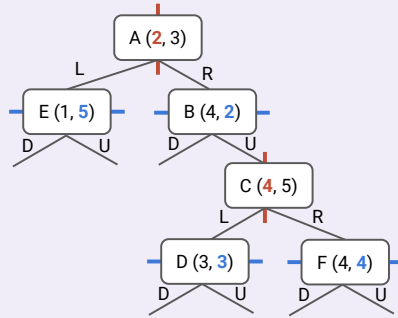


5

Q1: Where would G go in the 2-d tree?

Q Pruning the “Bad Side”

Without exploring A's children, what is the closest possible point to (0, 7) that **could exist** in the subspace of A.rightChild?



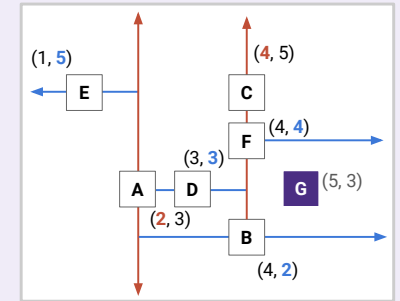
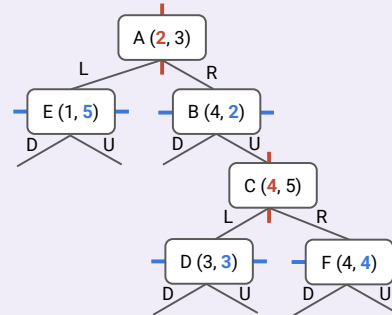
Where would this node go in the 2-d tree?

Q1: Without exploring A's children, what is the closest possible point to (0, 7) that could exist in the subspace of A.rightChild?

Q2: Where would this node go in the 2-d tree?

Q Nearest Neighbor Search

Give the order in which nodes are visited in the nearest neighbor search for (0, 7).



Q1: Give the order in which nodes are visited in the nearest neighbor search for (0, 7).