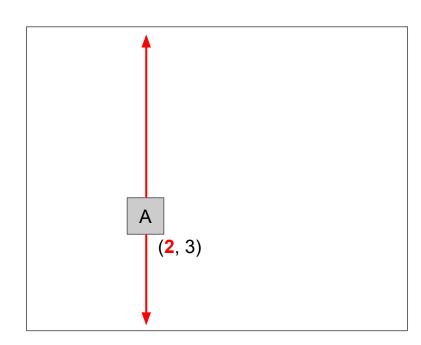
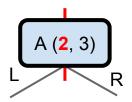
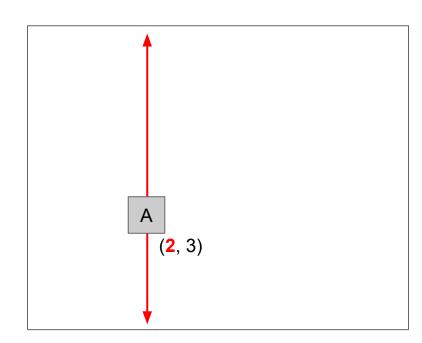


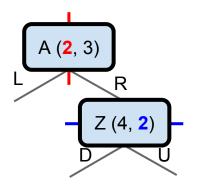
Insert A (2, 3)





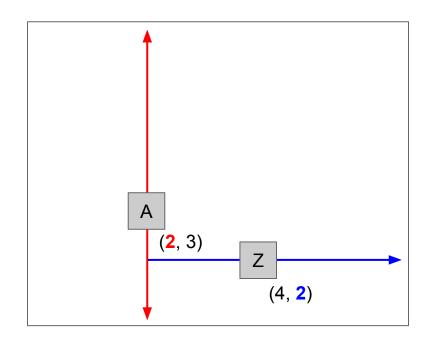
Insert Z (4, 2) ?

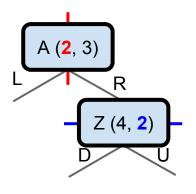




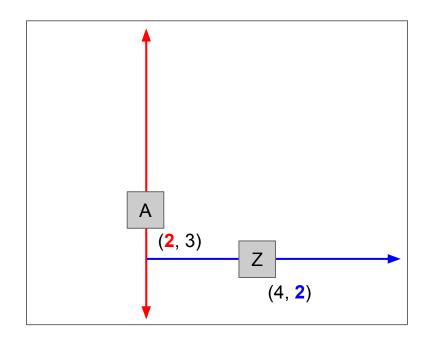
Insert Z (4, 2)

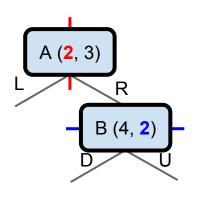
• Z is to the right of A, because 4 > 2.





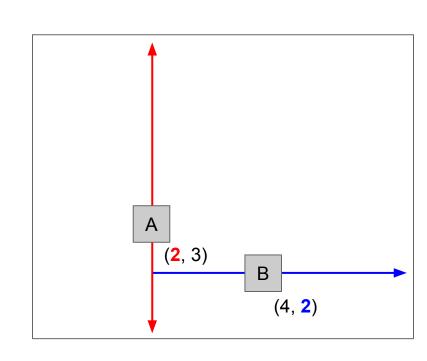
Insert B (4, 2)?

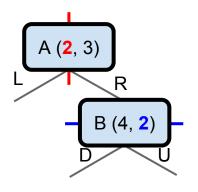




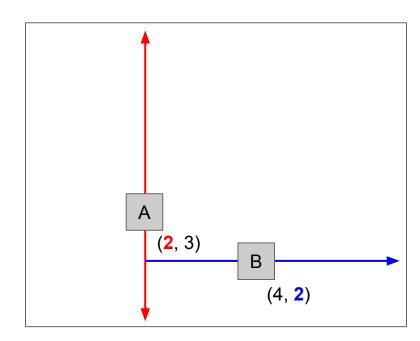
Insert B (4, 2)

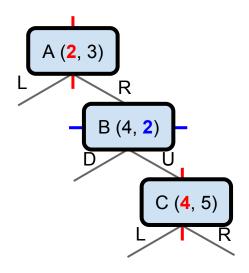
- B is to the right of A, because 4 > 2.
- (4, 2) is already a key in our table.
 - Replace with new value B.





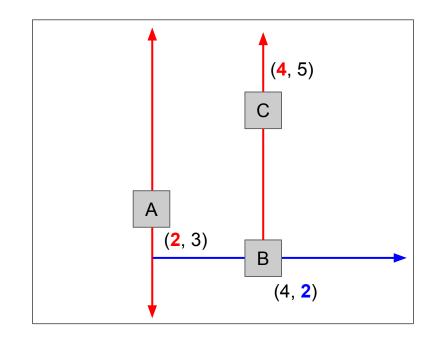
Insert C (4, 5)?

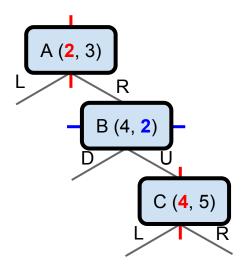




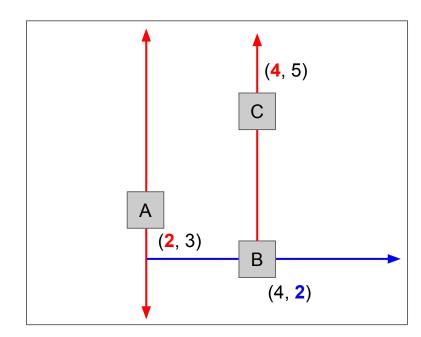
Insert C (4, 5)

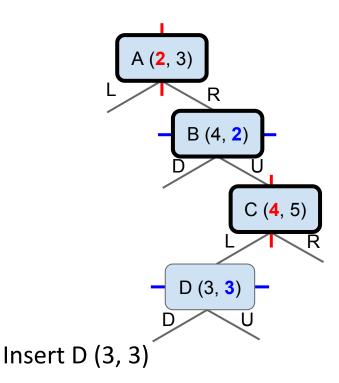
- C is to the right of A, because 4 > 2.
- C is to the up of B, because 5 > 2.



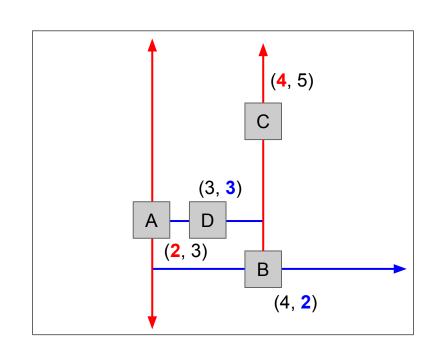


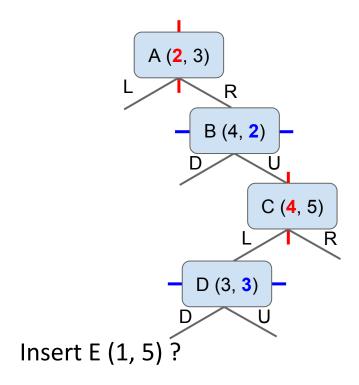
Insert D (3, 3)?

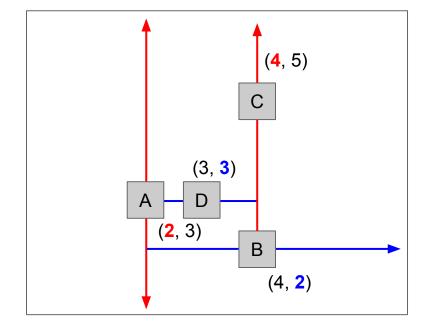


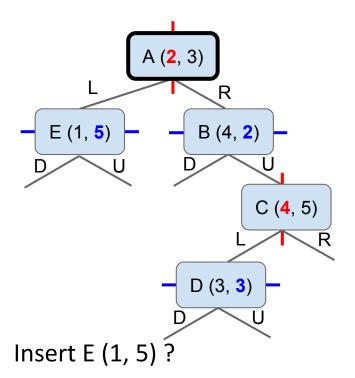


- D is to the right of A, because 3 > 2.
- D is to the up of B, because 3 > 2.
- D is to the left of C, because 3 < 4.

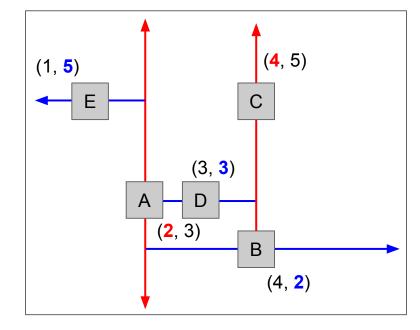


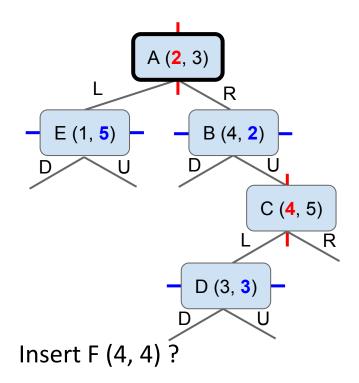


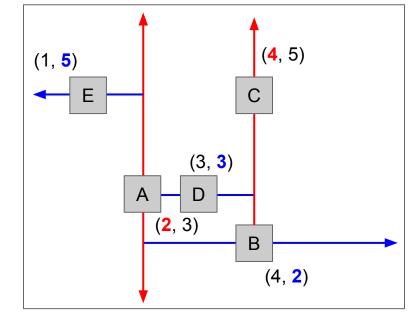


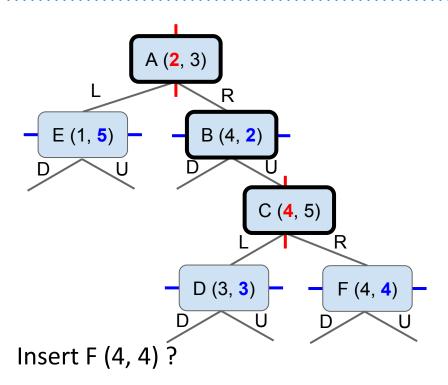


• E is left of A because (1 < 2).









- F is right of A because 4 > 2.
- F is up of B because 4 > 2.
- F is right of C because 4 >= 4.

Have to break ties somehow. We'll say items that are equal in one dimension go off to the right (or up) child of each node.

