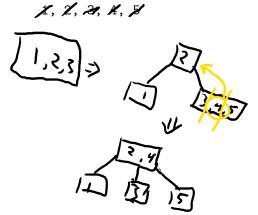
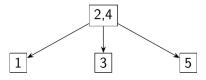
# 2-3 Trees

Exercises

Starting with an empty tree, insert elements in the following order:



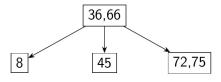
Starting with an empty tree, insert elements in the following order: 1, 2, 3, 4, 5



(STILL NO ROTATIONS YET)

Starting with an empty tree, insert elements in the following order: 36, 72, 8, 48, 68, 75

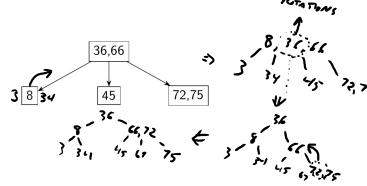
Starting with an empty tree, insert elements in the following order: 36, 72, 8, 45, 66, 75



Starting with an empty tree, insert elements in the following order:

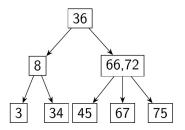
36, 72, 8, 45, 66, 75

Now add the following elements: 2, 24, 31



Starting with an empty tree, insert elements in the following order: 36, 72, 8, 45, 66, 75

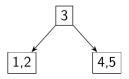
Now add the following elements: 3, 34, 67



Starting with an empty tree, insert elements in the following order:

$$(K, V) = (K, V) = ($$

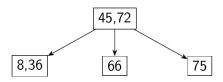
Starting with an empty tree, insert elements in the following order: 1, 2, 3, 4, 5





Starting with an empty tree, insert elements in the following order:

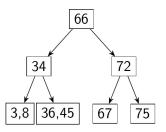
Starting with an empty tree, insert elements in the following order: 36, 72, 8, 45, 66, 75



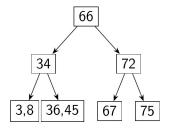
Starting with an empty tree, insert elements in the following order: 36, 72, 8, 45, 66, 75 Now add the following elements: 2, 34, 67

Starting with an empty tree, insert elements in the following order: 36, 72, 8, 45, 66, 75

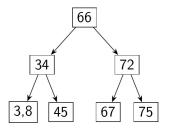
Now add the following elements: 3, 34, 67



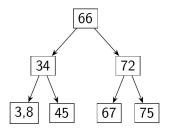
Starting with the previous tree, delete 36



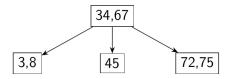
Starting with the previous tree, delete 36



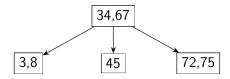
Starting with the previous tree, delete 36 And then delete 66



Starting with the previous tree, delete 36 And then delete 66



Starting with the previous tree, delete 36 And then delete 66, and 45



Starting with the previous tree, delete 36 And then delete 66, and 45

