

2-3 Trees

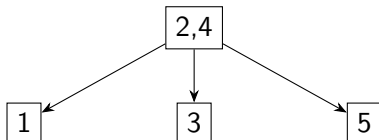
Exercises

Insertion

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

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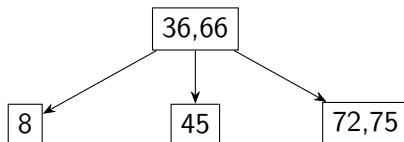


Insertion

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

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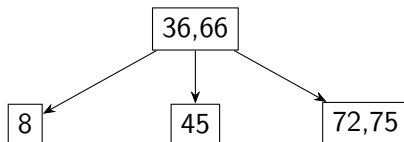


Insertion

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

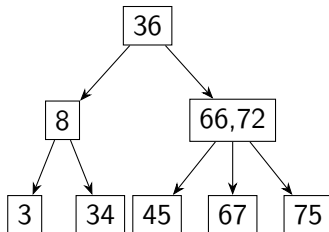


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Insertion with Key Rotation

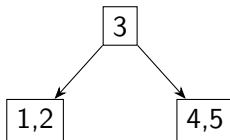
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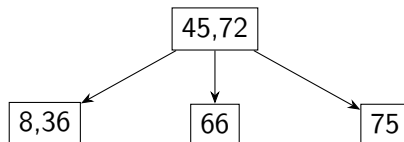
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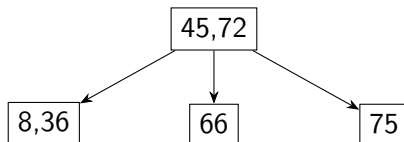


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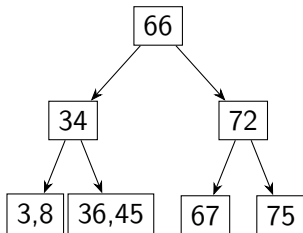


Insertion with Key Rotation

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

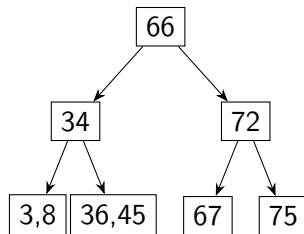
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Now add the following elements: 3, 34, 67



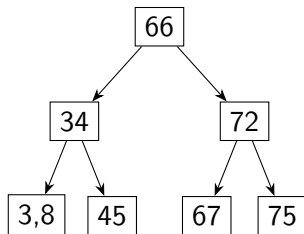
Deletion

Starting with the previous tree, delete 36



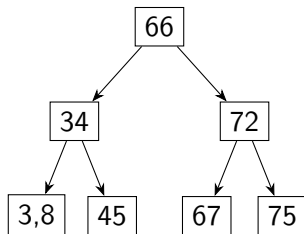
Deletion

Starting with the previous tree, delete 36



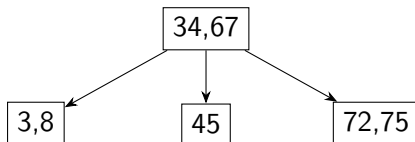
Deletion

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



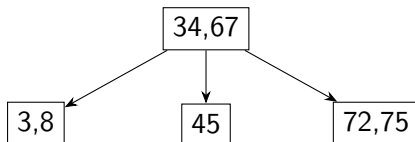
Deletion

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



Deletion

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



Deletion

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

