B+ Tree Insertion Example

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Question

- In B$^+$-Tree indexing, given an insertion sequence of the records with the keys of 20, 17, 3, 19, 15, 24, 21, 18, show the <u>progress</u> (in graphs) of the B$^+$-Tree index after each database insertion operation. The order of this B$^+$-tree is three (p=3), # of entry in leaf node is 2.
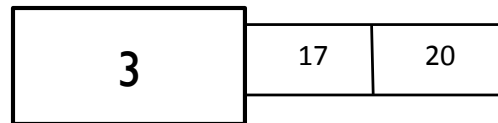
After 20, 17

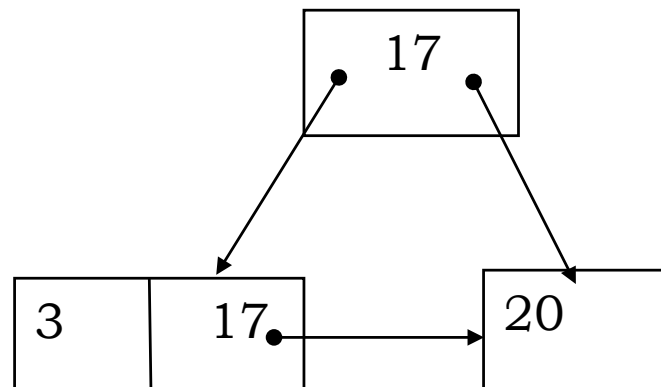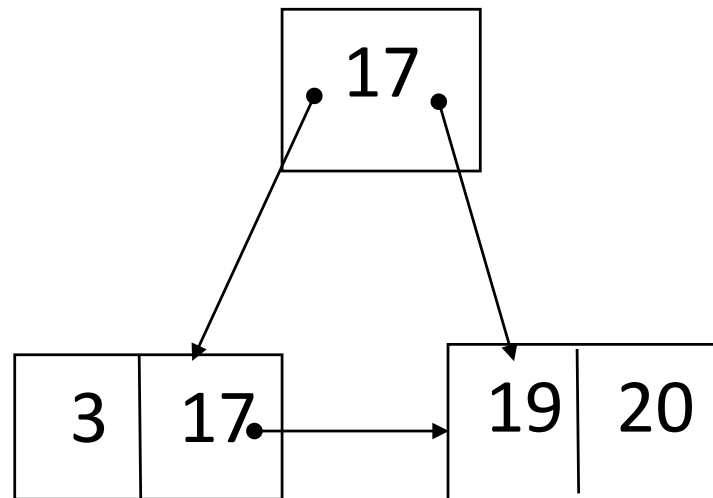| 17	20

▸ Next 3

After 20, 17
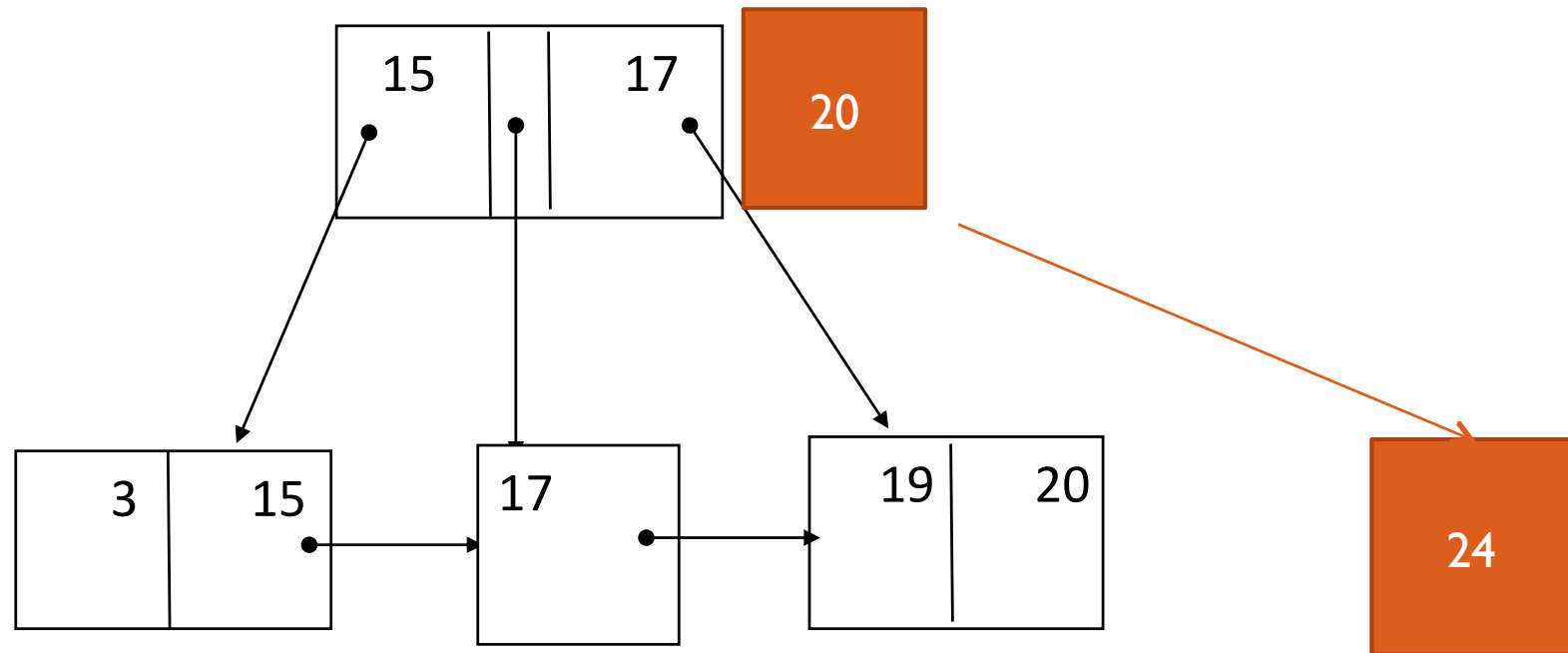

▸ Next **3**

After 3

▸ Next 19
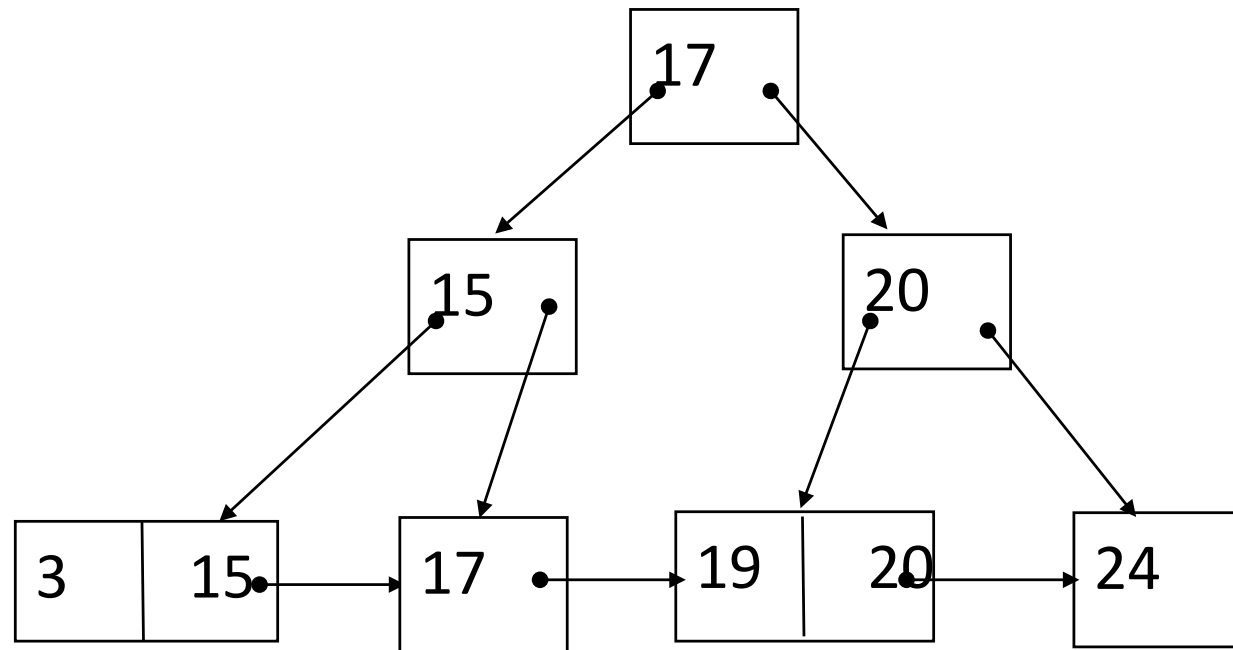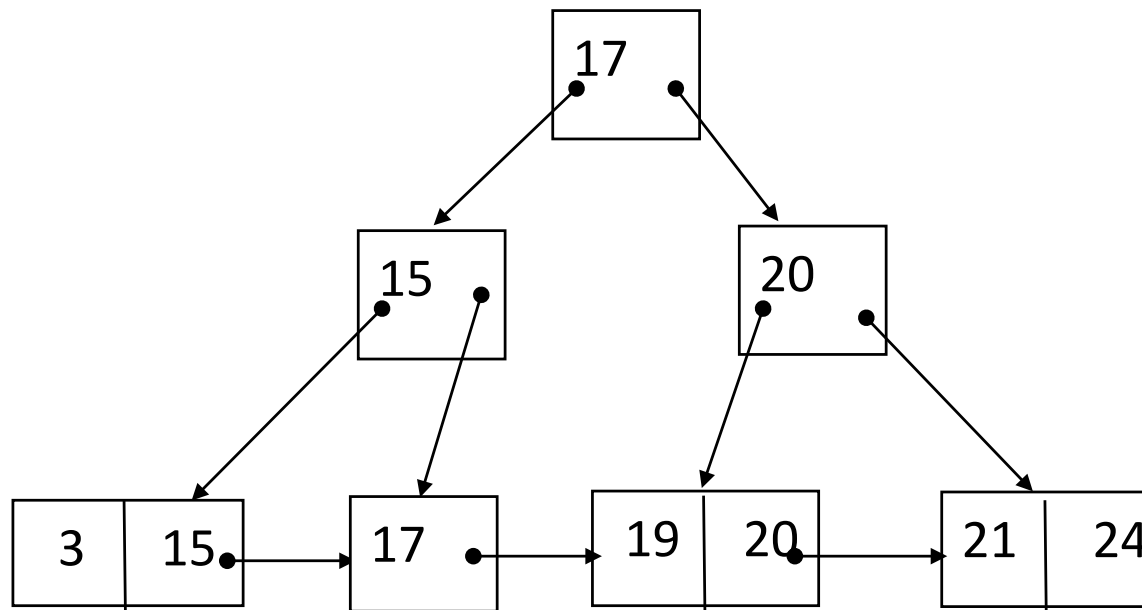
After 19

▸ Next 15

After 15

▸ Next 24

After 24

▶ Next 21

After 21

▸ Next 18

Insert 18