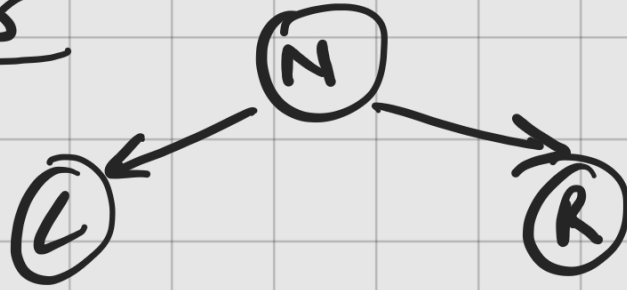


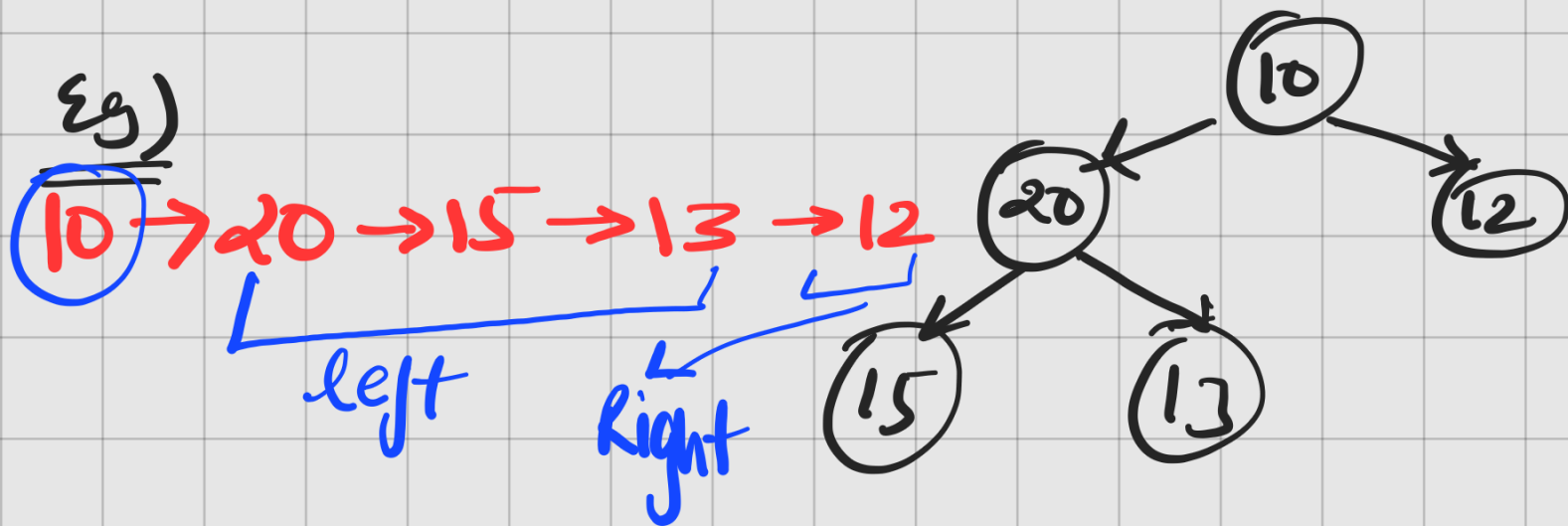
Traversal methods:

① Pre-order



$N \rightarrow L \rightarrow R$

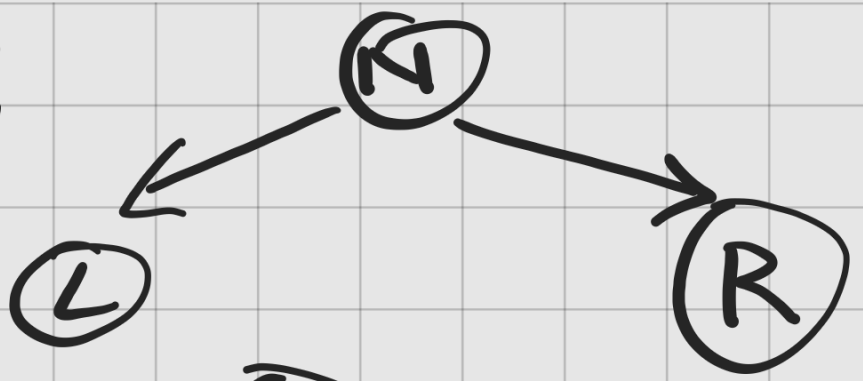
eg)



When do we use preorder?

- used for evaluating maths expression.
- Making a copy of Tree.
- Serialisation from string/array.

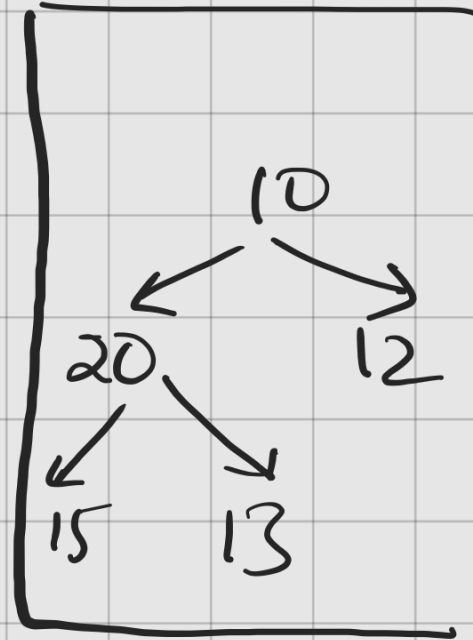
② Inorder



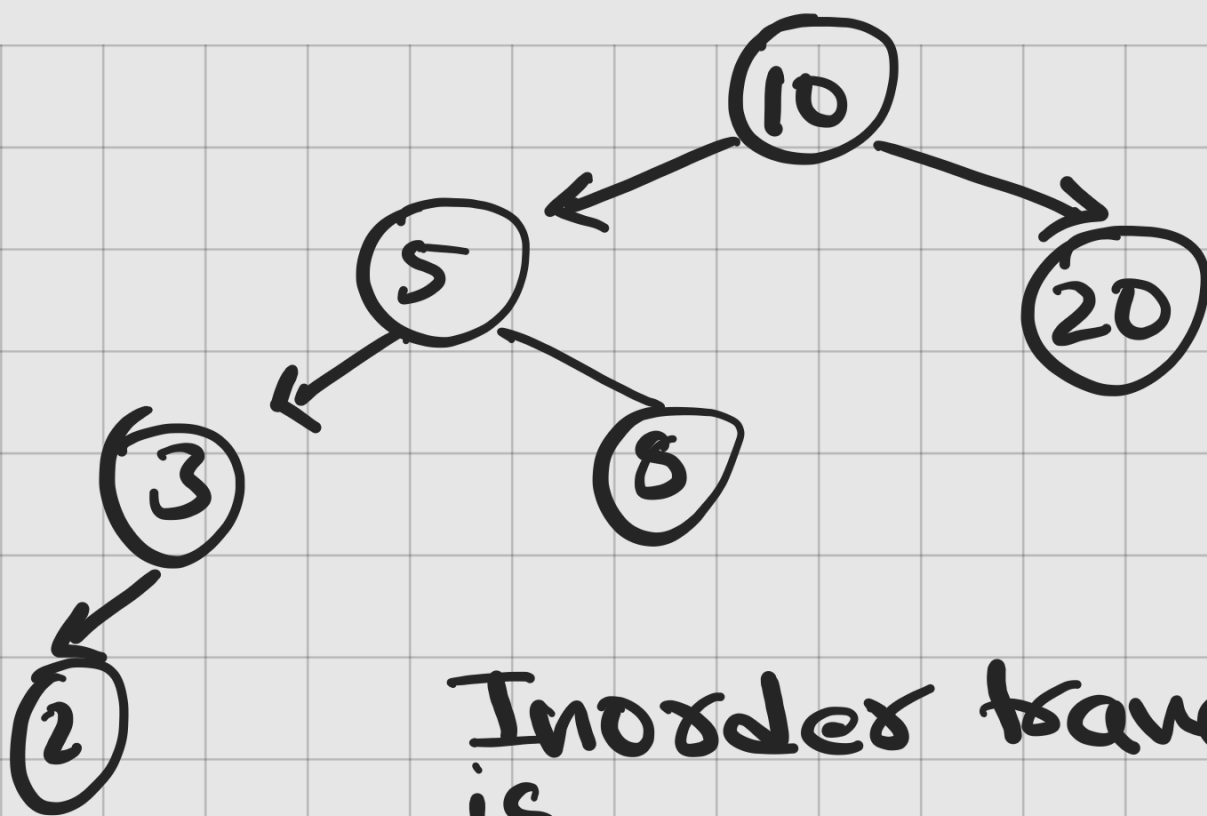
15 → 20 → 13 → 10 → 12

left

Right



★ If you apply inorder to Binary Search tree you will visit node in sorted order.



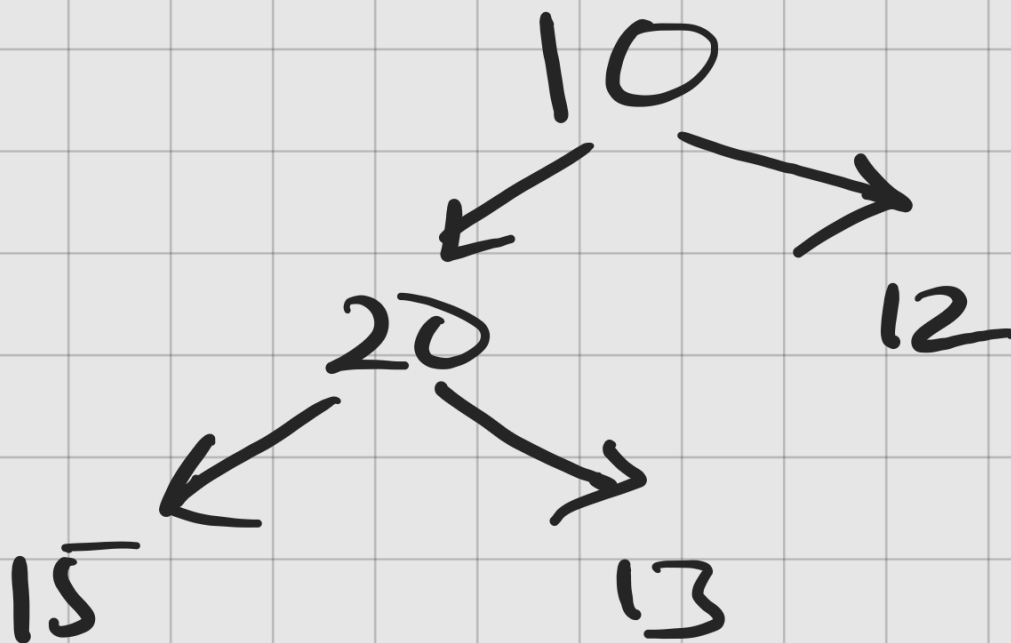
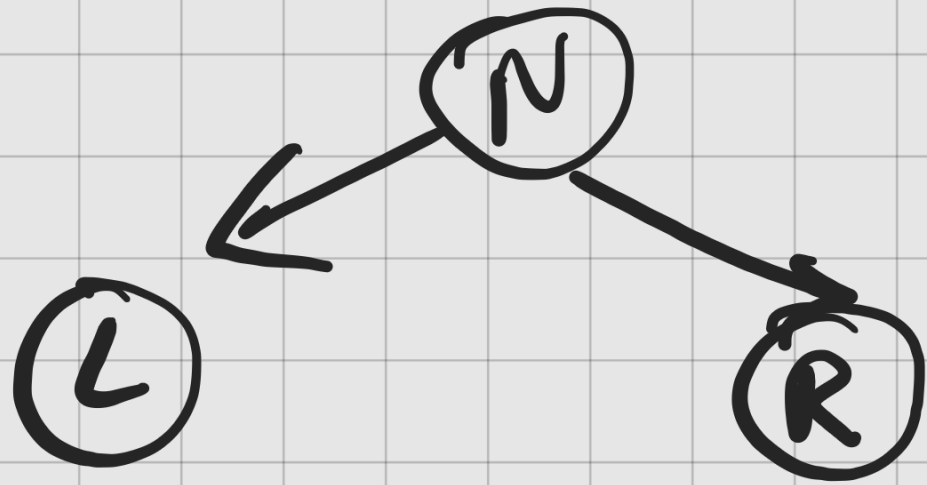
Inorder traversal
is

2 → 3 → 5 → 8 → 10 → 20

Sorted.

Root

③ Postorder



★ we use postorder
when we need to
delete a binary tree.

★ calculate bottom-
up calculation.

like diameter, height.