![Shape, arrow

Description automatically generated]()

Lca of (5,0) is 2.

Lca of (2,5) is 2

We can do from binary method, but it will take O(n).

Here at BST is O(logn).

Consider lca for (5,9).

Both can lie to left or both to left or each on other side.

![Shape, arrow

Description automatically generated]()

Consider 5 and 9 here both are smaller than 10. And both are are greater than 4.

Now it will go to the 8 th node.

![Diagram, shape

Description automatically generated]()

We can say 8 is the last point of split hence this can be lca.

![Text

Description automatically generated]()![Graphical user interface, text, application, email

Description automatically generated]()