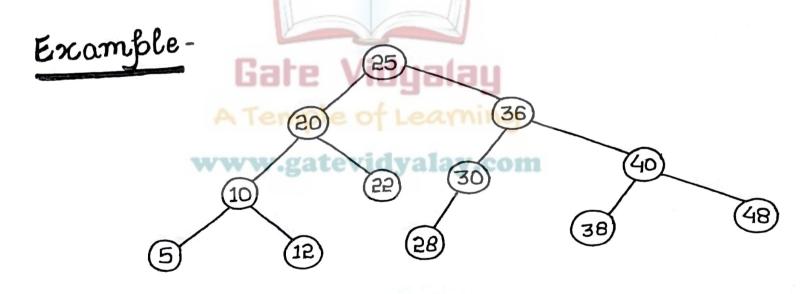
Binary Search Leavin Vid Fun...

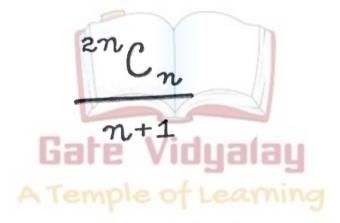
# Definition-

Binary Search Tree (BST) is a special Kind of Binary thee in which every node contains smaller values only in its left subtree and only larger values in its right subtree.



Number of distinct BSIs with 'n' distinct

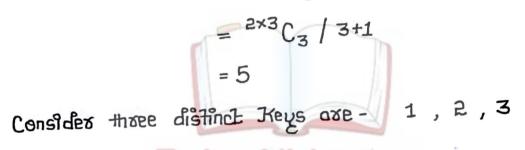
Keys-

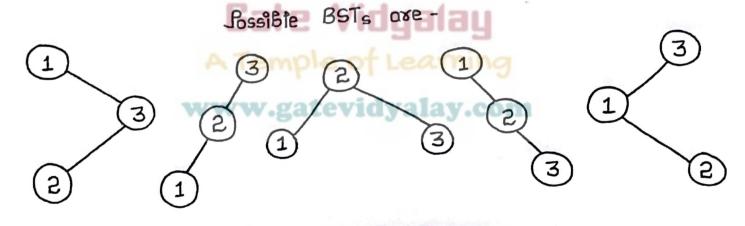


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## Example-

Number of distinct Binary search Trees with 3 distinct Keys





# Construction of BSI-

## Question-

Construct a Binary search Thee (BST) for the following sequence of numbers-

Gara, 70, 60, 20, 90, 10, 40, 100

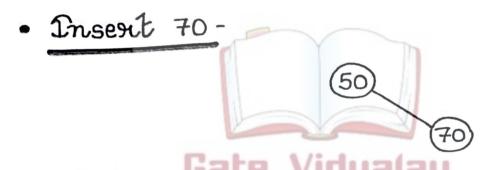
A Temple of Learning

Solution-gatevidyalay.com

When elements are gluen in a sequence, we consider the first element as the root node.

• Insert 50-

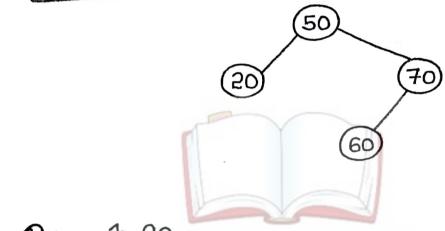




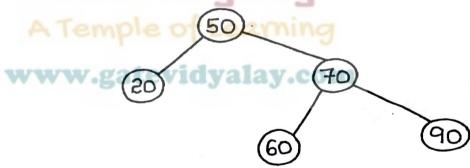
• Insent 60 mple of Learning



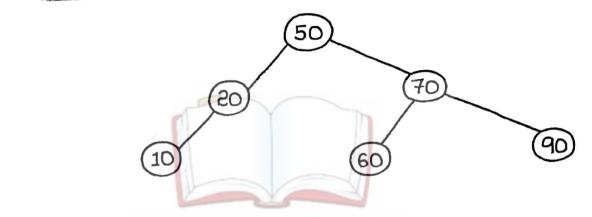
· Insent 20 -



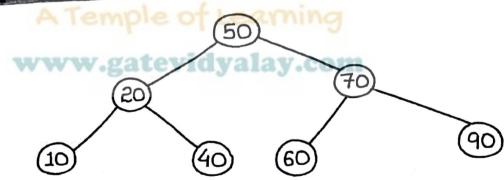
· Insent 90-te Vidyalay



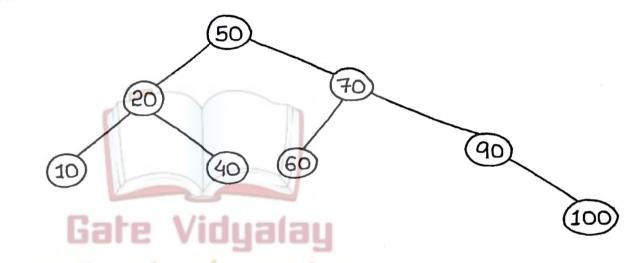
### · Insent 10-



• Insent 40 = Vidyalay



#### • Insent 100 -



This is the nequired Binary Search Tree.

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