```java
// Given a binary tree and an integer S, check whether there is root to leaf
// path with its sum as S.
// Function to check whether a path from root to leaf with path sum to S.
// Node{Node left, Node right, int data}
boolean hasPathSum(Node root, int S) {
    return rootToLeafPathSum(root, 0, S);
}
boolean rootToLeafPathSum(Node node, int currVal, int S) {
    if (node == null) {
        return false;
    }
    if (node.left == null && node.right == null) {
        if (node.data + currVal == S) {
            return true;
        }
        return false;
    }
    return rootToLeafPathSum(node.left, currVal + node.data, S)
            | rootToLeafPathSum(node.right, currVal + node.data, S);
}
```