Paths from root with a specified sum

Given a Binary tree and a sum **S**, print all the paths, **starting from root**, that sums upto the given sum. Path **may not** end on a leaf node.

Example 1:

Example 2:

Output:

10 28

10 13 15

Explanation :

```
Sum of path 10, 28 = 38 and Sum of path 10, 13, 15 = 38.
```

Your task:

You don't have to read input or print anything. Your task is to complete the function **printPaths()** that takes the root of the tree and sum as input and returns a vector of vectors containing the paths that lead to the sum.

Expected Time Complexity: $O(N^2)$ **Expected Space Complexity:** O(N)

Your Task:

 $1 \le N \le 2*10^3$ -10³ <= sum, Node.key <= 10³