K Sum Paths

Given a binary tree and an integer **K**. Find the number of paths in the tree which have their sum equal to K.
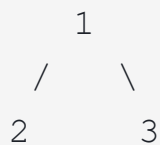
A path may start from any node and end at any node in the **downward** direction.

Since the answer may be very large, compute it modulo **10^9+7**.

Example 1:

```
Input:
Tree =

          1
        /   \
       2     3
K = 3
Output:
2
Explanation:
Path 1 : 1 + 2 = 3
Path 2 : only leaf node 3
```
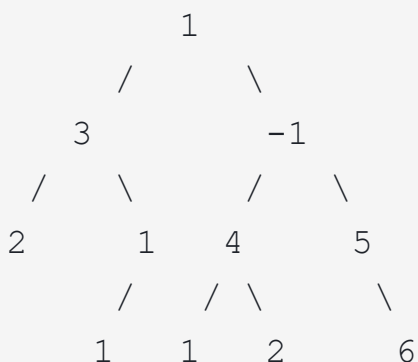
Example 2:

```
Input:
Tree =

            1
          /     \
        3         -1
       /  \       /   \
      2    1     4     5
          /     / \      \
         1     1   2      6
```

```
K = 5
```
Output:
```
8
```
Explanation:
```
The following paths sum to K.
3 2
3 1 1
1 3 1
4 1
1 -1 4 1
-1 4 2
5
1 -1 5
```

Your Task:

You don't need to read input or print anything. Complete the function **sumK()** which takes root node and integer K as input parameters and returns the number of paths that have sum K.

Expected Time Complexity: O(N)
Expected Auxiliary Space: O(Height of Tree)

Constraints:

$1 \leq N \leq 2*10^4$

$-10^5 \leq$ Node Value $\leq 10^5$

$-10^9 \leq K \leq 10^9$