129. Sum Root to Leaf Numbers

116 Populating Next Right Pointers in Each Node

• Depth-first Search + Tree

Description

```
Given a binary tree containing digits from 0-9 only, each root-to-leaf path could represent a number.
```

An example is the root-to-leaf path 1->2->3 which represents the number 123.

Find the total sum of all root-to-leaf numbers.

For example,

```
1
/\
2 3
```

```
The root-to-leaf path 1->2 represents the number 12.

The root-to-leaf path 1->3 represents the number 13.
```

Return the sum = 12 + 13 = 25.

1. Thought line

2. Depth-first Search + Tree