Back

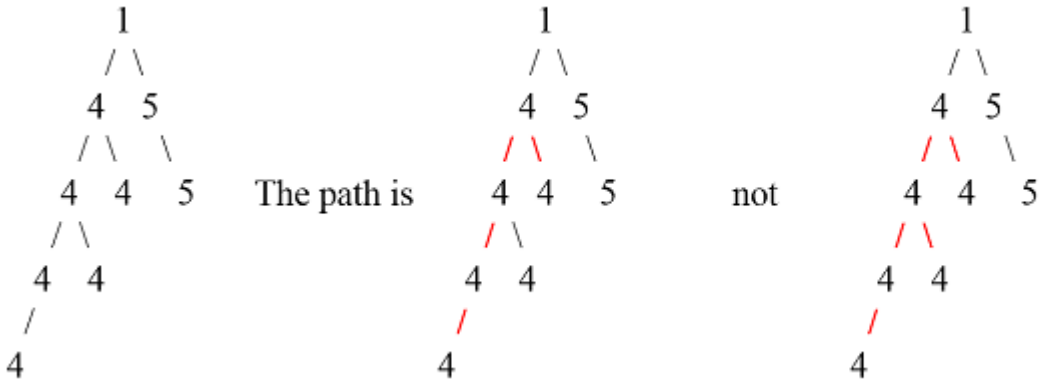
My understanding about example 2

greenteemo ★ 10 December 12, 2018 9:25 AM

6

The key point of this question is how we define the **path**, in example 2:

If we expand this example like below:



So the defination of **path** is that from one node to another node where each node in the path has the same

1. not only a straight line, the path can turn round(from left child tree to right child tree).
2. no branch in this path.

That's why the ans is max(ans, left+right), and in recursion we return max(left, right).

```
ans = Math.max(ans, arrowLeft + arrowRight);          // to get the longest path(can turn
return Math.max(arrowLeft, arrowRight);               // to exclude branch
```

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