Invert a binary tree.

**Example:**

Input:

4

/ \

2 7

/ \ / \

1 3 6 9

Output:

4

/ \

7 2

/ \ / \

9 6 3 1

**Trivia:**  
This problem was inspired by [this original tweet](https://twitter.com/mxcl/status/608682016205344768) by [Max Howell](https://twitter.com/mxcl):

Google: 90% of our engineers use the software you wrote (Homebrew), but you can’t invert a binary tree on a whiteboard so f\*\*\* off.