

一、题目说明

题目\617. Merge Two Binary Trees

二、我的解答

这个题目，用递归解法非常简单，同二叉树的递归遍历。

```
class Solution{
public:
    TreeNode* mergeTrees(TreeNode* t1,TreeNode* t2){
        if(t1==NULL) return t2;
        if(t2==NULL) return t1;
        int cur = t1->val + t2->val;
        TreeNode* root = new TreeNode(cur);
        root->left = mergeTrees(t1->left,t2->left);
        root->right = mergeTrees(t1->right,t2->right);
        return root;
    }
};
```

性能如下：

```
Runtime: 52 ms, faster than 46.21% of C++ online submissions for Merge Two
Binary Trees.
Memory Usage: 26.1 MB, less than 5.55% of C++ online submissions for Merge Two
Binary Trees.
```

三、优化措施