

05-F2

二叉树

中序遍历：迭代算法

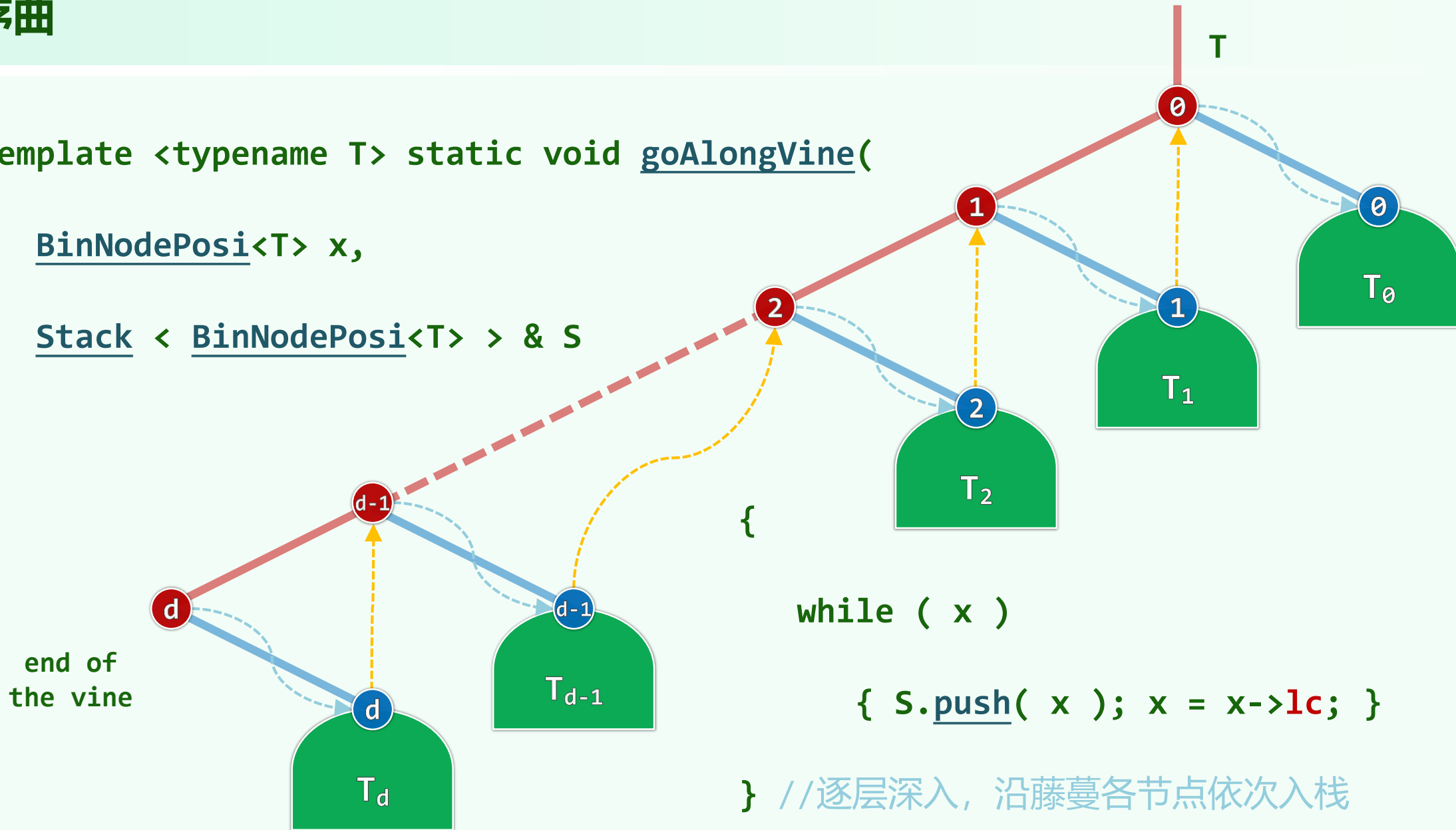
Although we've come to the end of the road
Still I can't let you go

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序曲

```
template <typename T> static void goAlongVine(  
    BinNodePosi<T> x,  
    Stack < BinNodePosi<T> > & S  
)
```



```
template <typename T, typename V> void travIn_I1( BinNodePosi<T> x, V& visit ) {  
    Stack < BinNodePosi<T> > S; //辅助栈  
    while ( true ) { //反复地  
        goAlongVine( x, S ); //从当前节点出发, 逐批入栈  
        if ( S.empty() ) break; //直至所有节点处理完毕  
        x = S.pop(); //x的左子树或为空, 或已遍历 (等效于空) , 故可以  
        visit( x->data ); //立即访问之  
        x = x->rc; //再转向其右子树 (可能为空, 留意处理手法)  
    }  
}
```

实例

