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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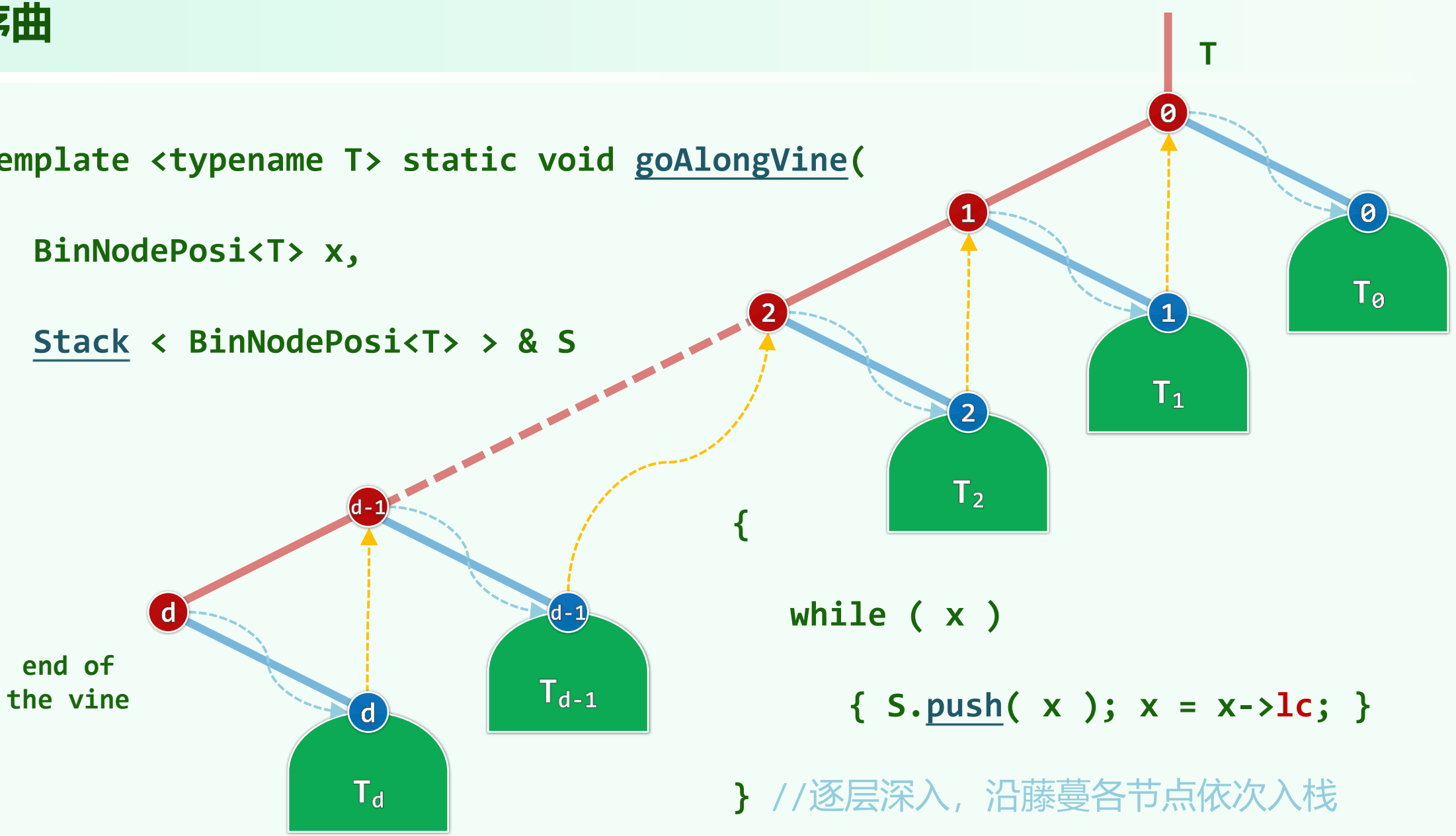
序曲

```
template <typename T> static void goAlongVine(
    BinNodePosi<T> x,
    Stack < BinNodePosi<T> > & S
)
{
    while ( x )
        { S.push( x ); x = x->lc; }
} //逐层深入，沿藤蔓各节点依次入栈
```



全曲

```
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