Question 1.2

```
#include <iostream>
using namespace std;
void Toh(int n, char sourceT, char destiny,
char auxT1, char auxT2){
    if (n == 0){
        return;
    }
    if (n == 1){

        cout <<"T"<< sourceT <<" --> T"<<destiny<<endl;
        return;
    }
    Toh(n - 2, sourceT, auxT1, auxT2,destiny);
        cout <<"T"<< sourceT <<" --> T"<<destiny<<endl;
        cout <<"T"<< auxT2, destiny<<endl;
        cout <<"T"<< auxT2, destiny<<endl;
        cout <<"T"<< auxT1, destiny, sourceT, auxT2);</pre>
```

If n = 8, the iteration will work as follows.

Originally called toh(8, '1', '4', '2', '3').

It calls toh(6, '1', '2', '3', '4') multiple times in toh.

It will call Toh(4, '1', '3', '4', '2') again in the next recursive call.

This process continues until Toh(1, '1', '3', '4', '2').

At Toh(1, '1', '3', '4', '2'), it will print the movement of the smaller disk from peg 1 to peg 3.

Then, the repetition will go backwards. Apx. the remaining information in the previous stack frame.

Print the movement of the main wheel depending on the position of the accessory peg. This process continues until all the disks are moved from peg 1 to peg 4.

Output will show the sequence of moves required to solve the Tower of Hanoi puzzle for disc 8. Each line represents the movement of the wheel from one peg to the next

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Question 2.2

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