```cpp
#include<iostream>
using namespace std;
    void TOH(int n,int A,int B,int C){
        if (n>0)
        {
            TOH(n-1,A,C,B);
            cout<<"From "<<A<<" to "<<C<<endl;
            TOH(n-1,B,A,C);
        }

    }
int main(){
    TOH(16,1,2,3);

    return 0;
}
```