#include <bits/stdc++.h>

using namespace std;

void towerOfHanoi(int n, char from\_rod,

                    char to\_rod, char aux\_rod)

{

    if (n == 1)

    {

        cout << "Move disk 1 from rod " << from\_rod <<

                            " to rod " << to\_rod<<endl;

        return;

    }

    towerOfHanoi(n - 1, from\_rod, aux\_rod, to\_rod);

    cout << "Move disk " << n << " from rod " << from\_rod <<

                                " to rod " << to\_rod << endl;

    towerOfHanoi(n - 1, aux\_rod, to\_rod, from\_rod);

}

int main()

{

    int n = 4; // Number of disks

    towerOfHanoi(n, 'A', 'C', 'B'); // A, B and C are names of rods

    return 0;

}