#include<iostream>

using namespace std;

void hanoi(int n,char x, char y, char z)

{

if(n==1) //basis

cout<<"Move top disk from peg "<<x<<" to peg "<<z<<"\n";

else //recursion

{

hanoi(n-1,x,z,y);

hanoi(1,x,y,z);

hanoi(n-1,y,x,z);

}

}

void main()

{

char x,y,z;

int n;

cout<<"Enter the integer : ";

cin>>n;

cout<<"ENter three characters with space : ";

cin>>x>>y>>z;

hanoi(n,x,y,z);

system("PAUSE");

}