



// 1 Tower of Hanoi

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#include <stdio.h>
int towerofHanoi(int,char,char,char);

void main() {
    int n;
    printf("Enter the number of disks \n");
    scanf("%d",&n);
    towerofHanoi(n,'A','C','B');
}

int towerofHanoi(int n,char src, char dest, char aux) {
    if (n==1) {
        printf("Move disk 1 from %c to %c \n",src,dest);
    }
    else {
        towerofHanoi(n-1,src,aux,dest);
        printf("Move disk %d from %c to %c\n",n,src,dest);
        towerofHanoi(n-1,aux,dest,src);
    }
}
```