#include<stdio.h>

#include<time.h>

void toh(int n,char source,char dest,char aux)

{

if (n==1)

{

printf("Move the disk %d from rod %c to rod %c\n",n,source,dest);

return;

}

toh(n-1,source,aux,dest);

printf("Move the disk %d from rod %c to rod %c\n",n,source,dest);

toh(n-1,aux,dest,source);

}

void main()

{

int n;

printf("Enter the number of disks\n");

scanf("%d",&n);

clock\_t start=clock();

toh(n,'A','C','B');

clock\_t end=clock();

printf("The start time is %lf\n",(double)start);

printf("The end time is %lf\n",(double)end);

printf("The total time is %lf\n",(double)(end-start));

}