ALGORHTIM

Step 1:Move n-1 disks from rod to aux rod.

Step 2:Move nth disk from from\_rod to\_rod.

Step 3:move n-1 disks from aux rod to to\_rod.

METHOD

Step 1:Create a function tower of hannoi where pass the N from\_rod,to\_rod.

Step 2:Make a function call for(N-1)th disk.

Step 3:Then print the current the disk along with from rod and to rod.

Step 4:Again make a function call for(N-1)th disk.

PROGRAM

#include<stdio.h>

void towers(int,char,char,char);

int main()

{

int num;

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

scanf("%d",&num);

printf("the seq of moves involved\n");

towers(num,'A','C','B');

return 0;

}

void towers(int num,char frompeg,char topeg,char arrpeg)

{

if(num==1)

{

printf("move disk 1 frompeg %c topeg%c\n",frompeg,topeg);

}

else

{

towers(num-1,frompeg,arrpeg,topeg);

printf("move disk %d frompeg %c topeg%c\n",num,frompeg,topeg);

towers(num-1,arrpeg,topeg,frompeg);

}

}

OUTPUT

