Tower of Hanoi:problem statement

<https://www.geeksforgeeks.org/c-program-for-tower-of-hanoi/>

![A picture containing graphical user interface

Description automatically generated]()

Here yellow rod is designated rod.

We can do this by following this.

![A picture containing text, colorful, full, different

Description automatically generated]()

We have to move in such a way that largest rod go to designated rod.

![A picture containing text, clipart

Description automatically generated]()

And move rest of disk to second rod.

See earlier picture to move how to get rod on designated rod.

Now for n=4 then what to do.

![A picture containing diagram

Description automatically generated]()

For this we want to move top 3 disk to rod 2.

![Icon

Description automatically generated]()

Here we can see that from earlier 3 disk it is related just that for 3 disks designated is middle rod.

How to do it:

1-up1,2-up2,3-up3,4-up4: move up1 to rod2,then up2 to rod 3,move up1 to rod 3 and then move up3 to rod2,and rest up1 to rod 1 and up2 to rod 2 and up1 to rod 2

![Graphical user interface

Description automatically generated]()

It will move like this.

How to solve it

![Text

Description automatically generated]()