Tower of Hanoi Problem using Recursion

```c
#include <stdio.h>

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

int main()
{
    int num;

    printf("Enter the number of disks : ");

    scanf("%d", &num);

    printf("The sequence of moves involved in the Tower of Hanoi are :\n");

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

    return 0;
}
```

```c
void towers(int num, char frompeg, char topeg, char auxpeg)

{

    if (num == 1)

    {

        printf("\n Move disk 1 from peg %c to peg %c", frompeg, topeg);

        return;

    }

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

    printf("\n Move disk %d from peg %c to peg %c", num, frompeg, topeg);

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

}
```

OUTPUT :

```
Enter the number of disks : 3
The sequence of moves involved in the Tower of Hanoi are :

Move disk 1 from peg A to peg C
Move disk 2 from peg A to peg B
Move disk 1 from peg C to peg B
Move disk 3 from peg A to peg C
Move disk 1 from peg B to peg A
Move disk 2 from peg B to peg C
Move disk 1 from peg A to peg C
```