



Towers of Hanoi

Methodology and Program

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Semester 3: Data Structures

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```
#include <stdio.h>
```

```
void tower(int n, int source, int dest, int aux)
```

```
{  
    if(n==1)  
        printf("Move from %c to %c\n",source,dest);  
    else  
    {  
        tower(n-1,source,aux,dest);  
        printf("Move from %c to %c\n",source,dest);  
        tower(n-1,aux,dest,source);  
    }  
}
```

```
void main( )
```

```
{  
    int n;  
    printf("Enter the number of discs: ");  
    scanf("%d",&n);  
  
    tower(n,'A','B','C');  
}
```