In [3]:

```python
def toh(n,src,dest,help):
  global count
  if n==1:
    print("Move disk 1 from ",src," to ",dest);
    count+=1
    return;
  toh(n-1,src,help,dest);
  print("Move disk ",n," from ",src,"to",dest);
  count+=1
  toh(n-1,help,dest,src);
```

In [4]:

```python
count=0;
n = int(input("Enter number of discs"))
toh(n,'A','C','B')
print("Number of moves:",count)
```

```
Enter number of discs10
Move disk 1 from  A  to  B
Move disk  2  from  A to C
Move disk 1 from  B  to  C
Move disk  3  from  A to B
Move disk 1 from  C  to  A
Move disk  2  from  C to B
Move disk 1 from  A  to  B
Move disk  4  from  A to C
Move disk 1 from  B  to  C
Move disk  2  from  B to A
Move disk 1 from  C  to  A
Move disk  3  from  B to C
Move disk 1 from  A  to  B
Move disk  2  from  A to C
Move disk 1 from  B  to  C
Move disk  5  from  A to B
Move disk 1 from  C  to  A
Move disk  2  from  C to B
Move disk 1 from  A  to  B
```