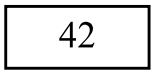
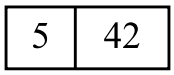
In [1]:
```
from btree_insertion import insert
from algopy.btree import BTree, display
BTree.degree = 2
```

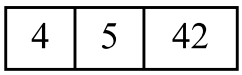
In [2]:
```
B = BTree([42], [])
display(B)
```



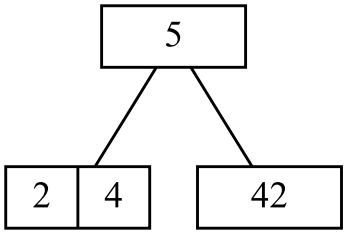
In [3]:
```
B = insert(B, 5)
display(B)
```



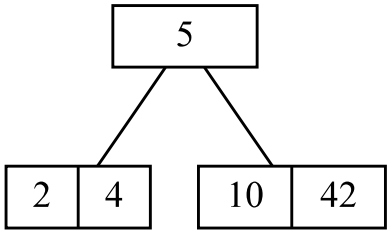
In [4]:
```
B = insert(B, 4)
display(B)
```



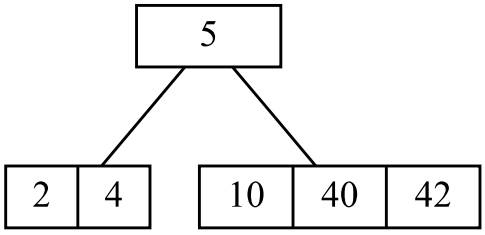
In [5]:
```
B = insert(B, 2)
display(B)
```



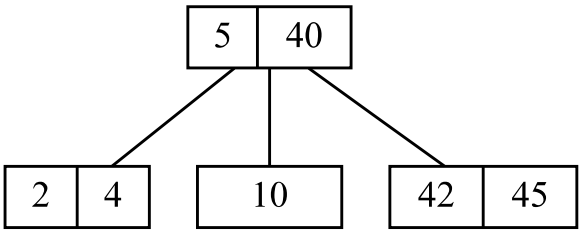
In [6]:
```
B = insert(B, 10)
display(B)
```



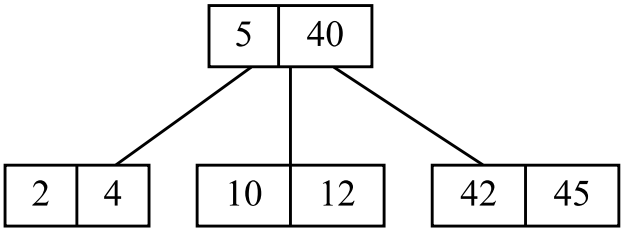
In [7]:
```
B = insert(B, 40)
display(B)
```



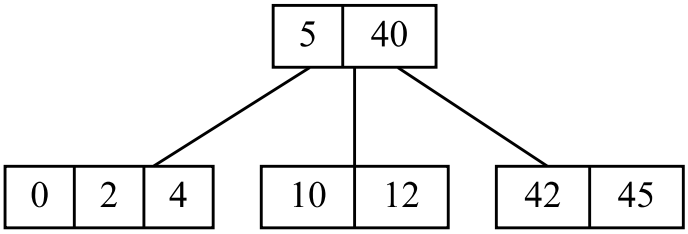
In [8]:
```
B = insert(B, 45)
display(B)
```



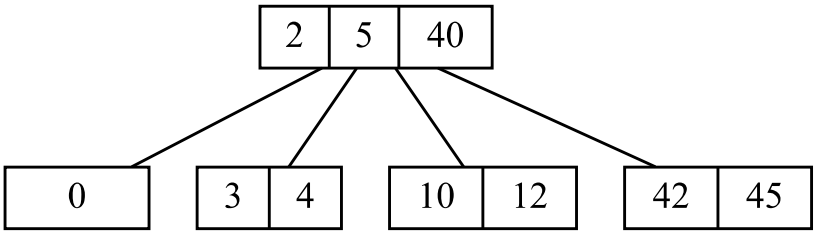
In [9]:
```
B = insert(B, 12)
display(B)
```



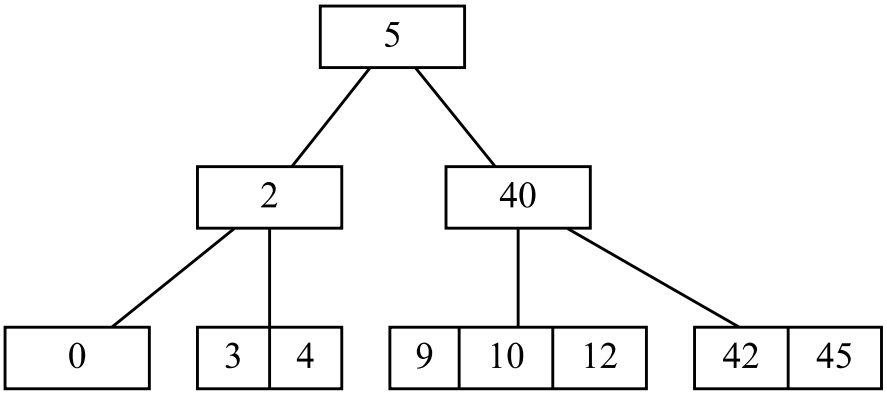
In [10]:
```
B = insert(B, 0)
display(B)
```



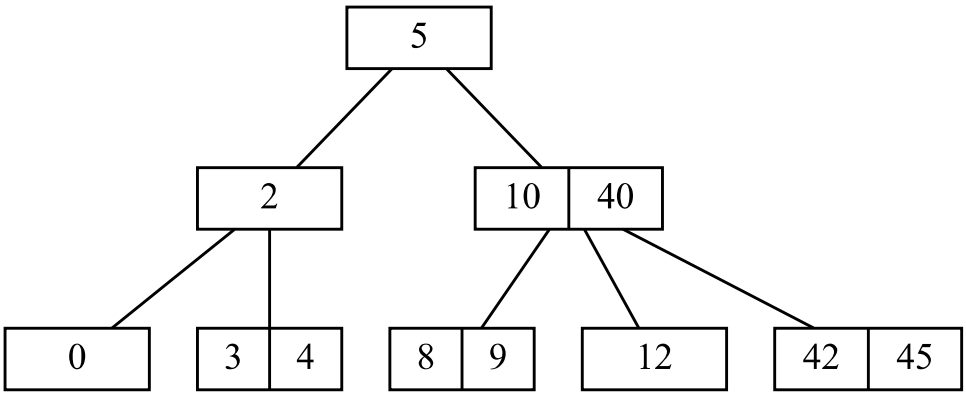
In [11]:
```
B = insert(B, 3)
display(B)
```



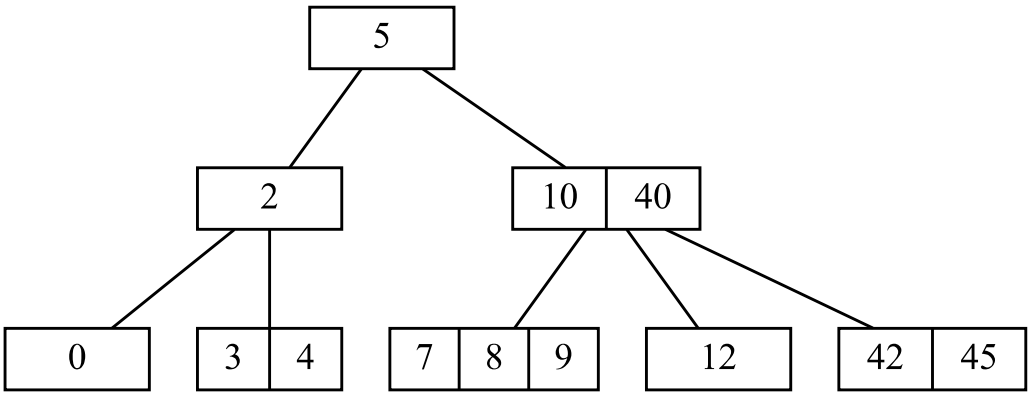
In [12]:
```
B = insert(B, 9)
display(B)
```



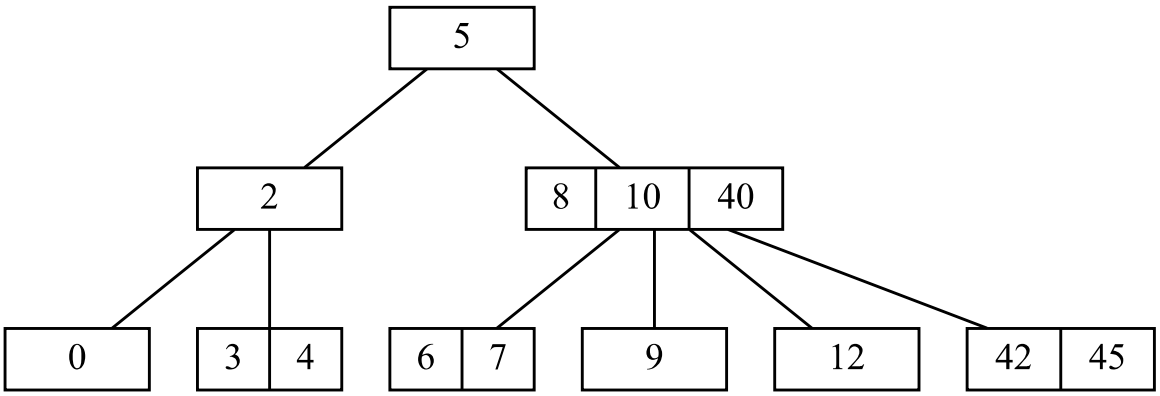
In [13]:
```
B = insert(B, 8)
display(B)
```



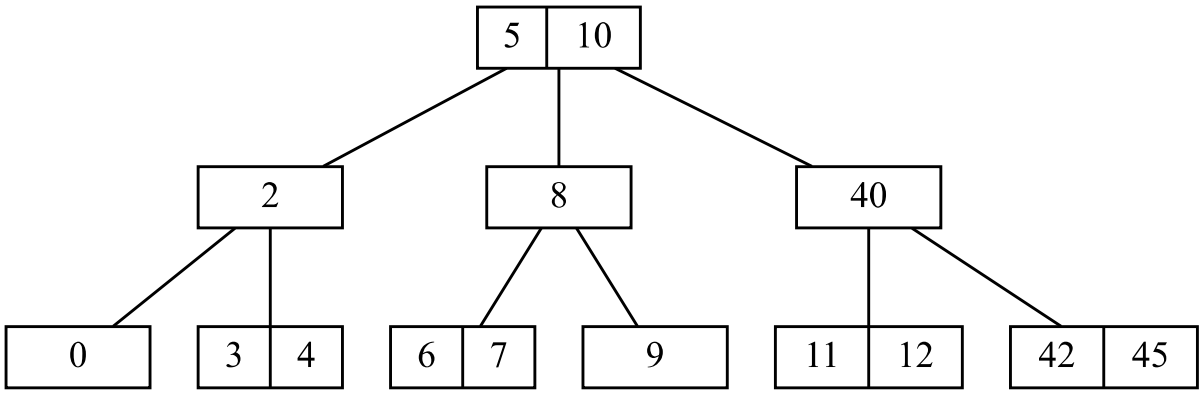
In [14]:
```
B = insert(B, 7)
display(B)
```



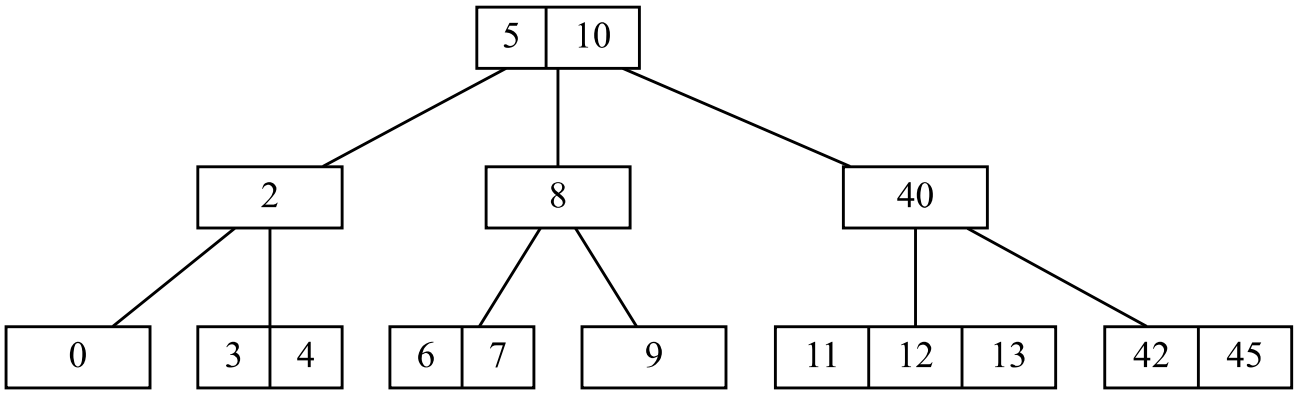
In [15]:
```
B = insert(B, 6)
display(B)
```



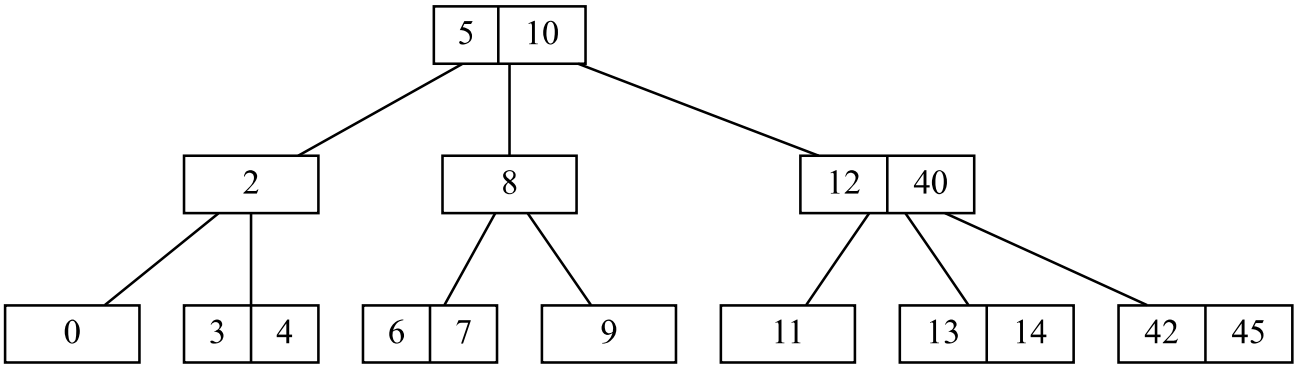
In [16]:
```
B = insert(B, 11)
display(B)
```



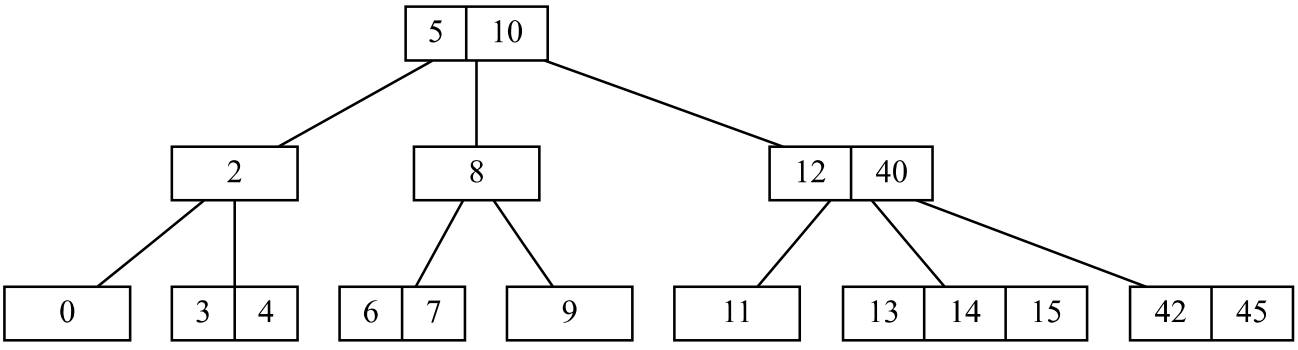
In [17]:
```
B = insert(B, 13)
display(B)
```



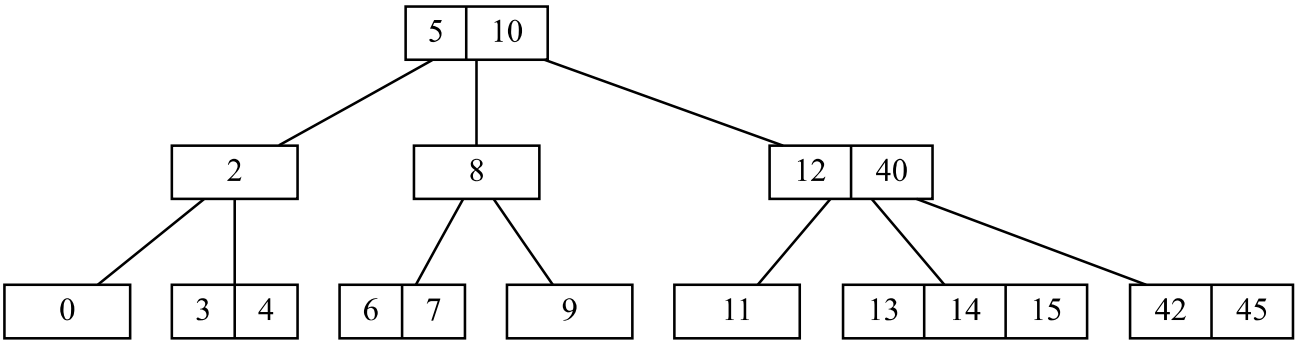
In [18]:
```
B = insert(B, 14)
display(B)
```



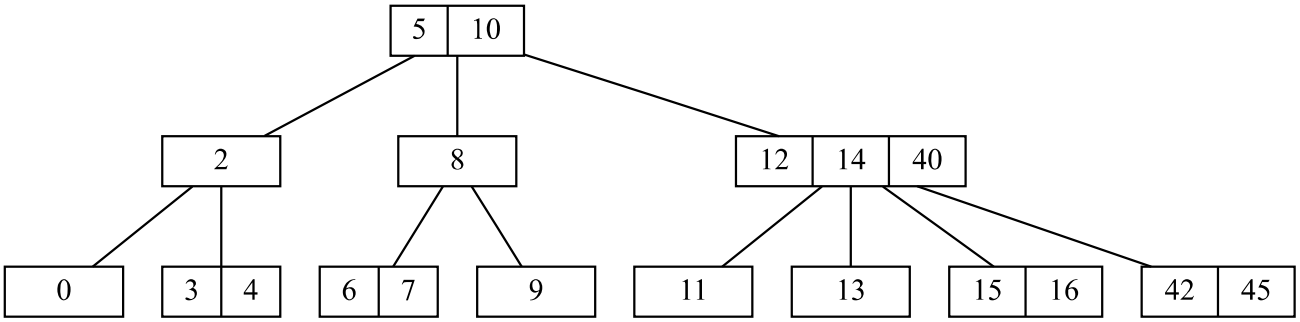
In [19]:
```
B = insert(B, 15)
display(B)
```



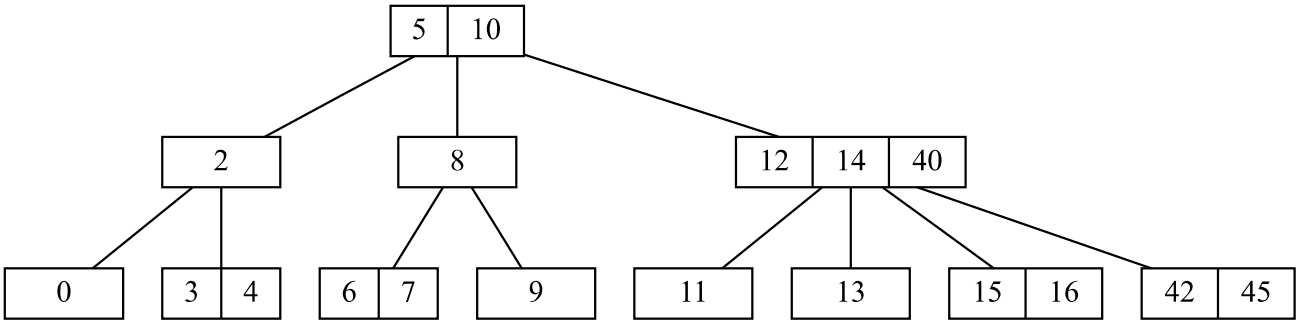
In [20]:
```
B = insert(B, 14)
display(B)
```



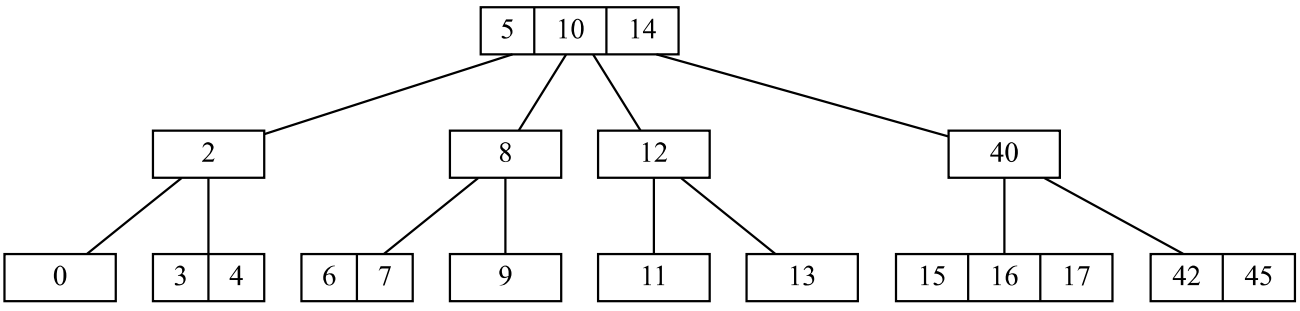
In [21]:
```
B = insert(B, 16)
display(B)
```



In [22]:
```
B = insert(B, 14)
display(B)
```



In [23]:
```
B = insert(B, 17)
display(B)
```



In [24]:
```
B = insert(B, 18)
display(B)
```