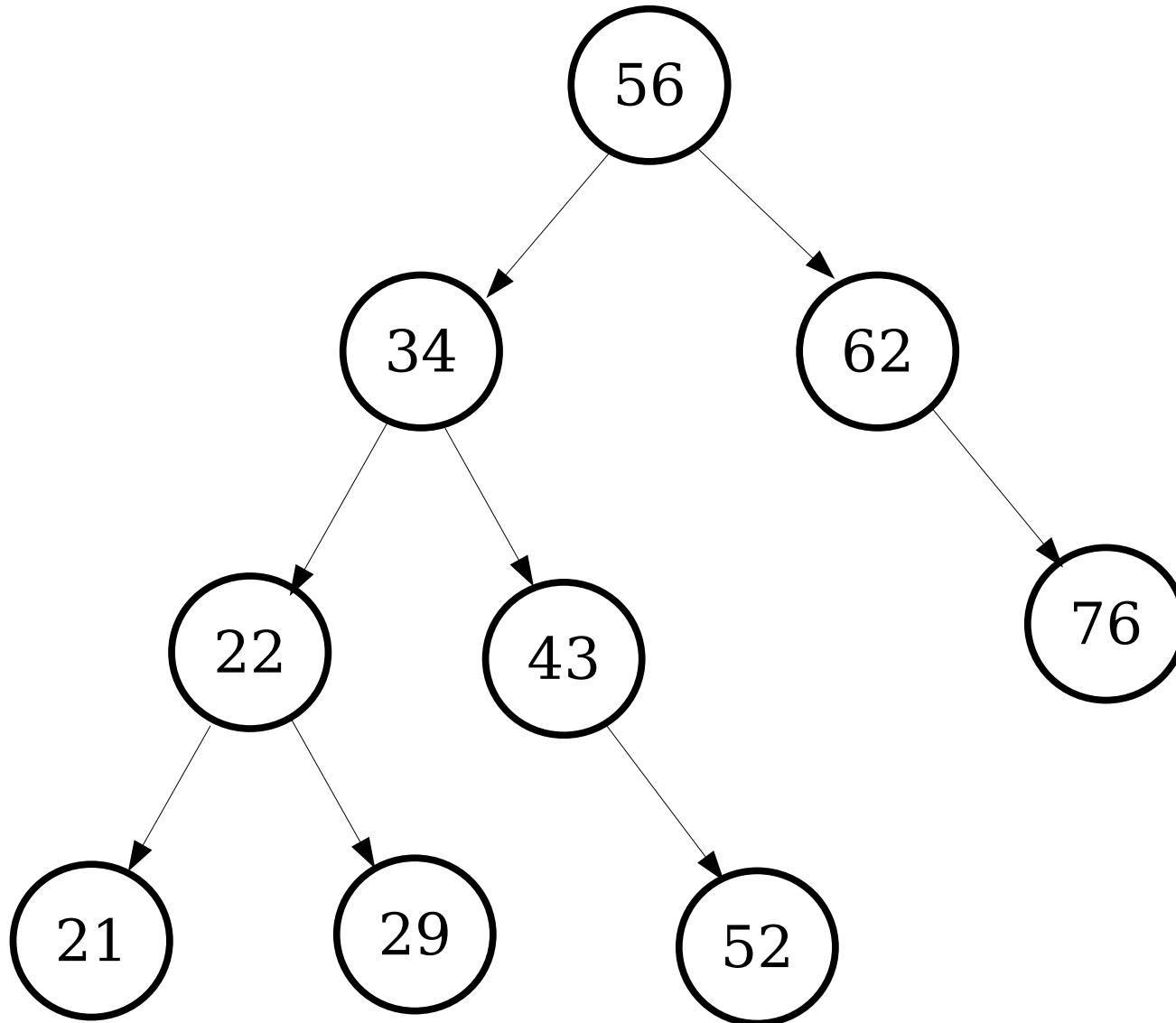
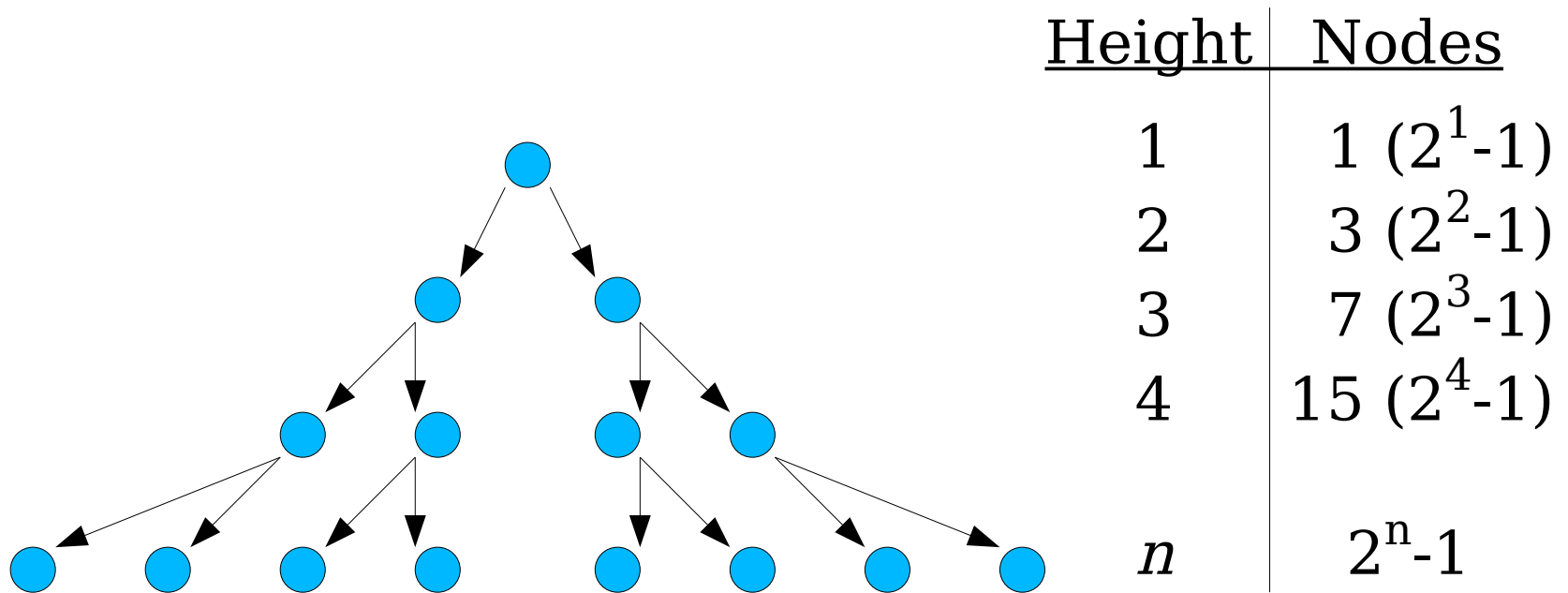


Binary Search Tree

Binary Search Tree

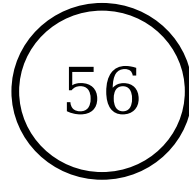


Binary Search Tree

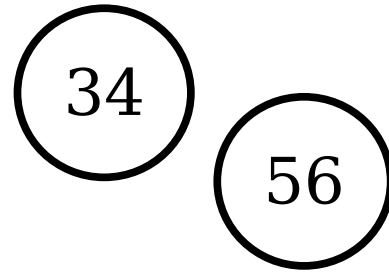


$$\text{Height} = \log_2(\# \text{ nodes})$$

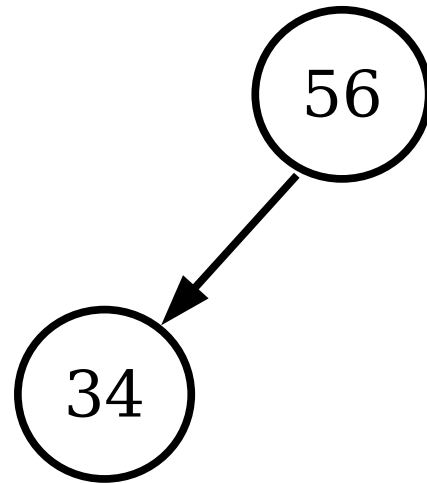
Binary Search Tree



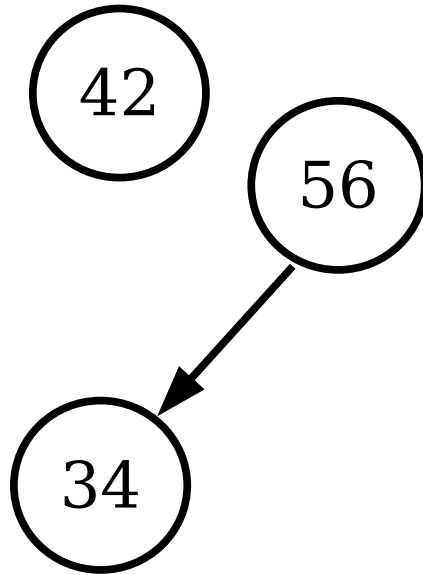
Binary Search Tree



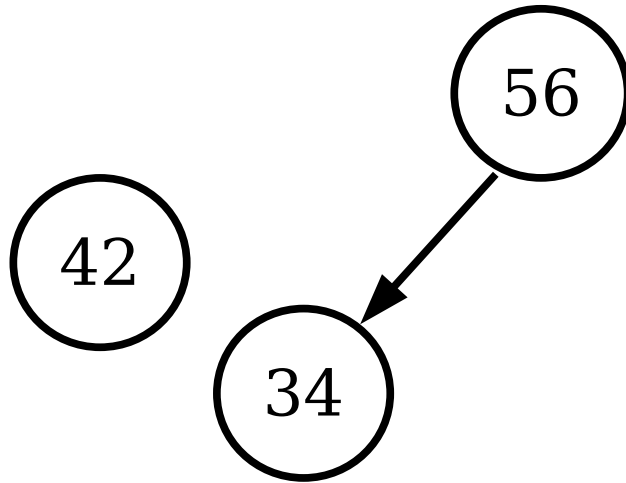
Binary Search Tree



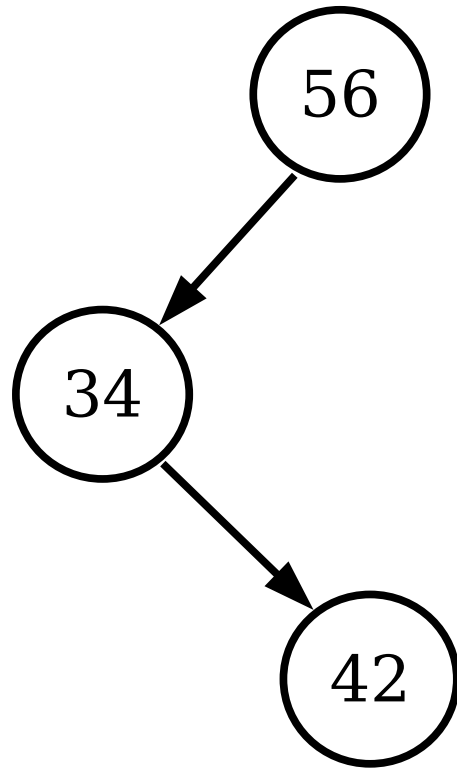
Binary Search Tree



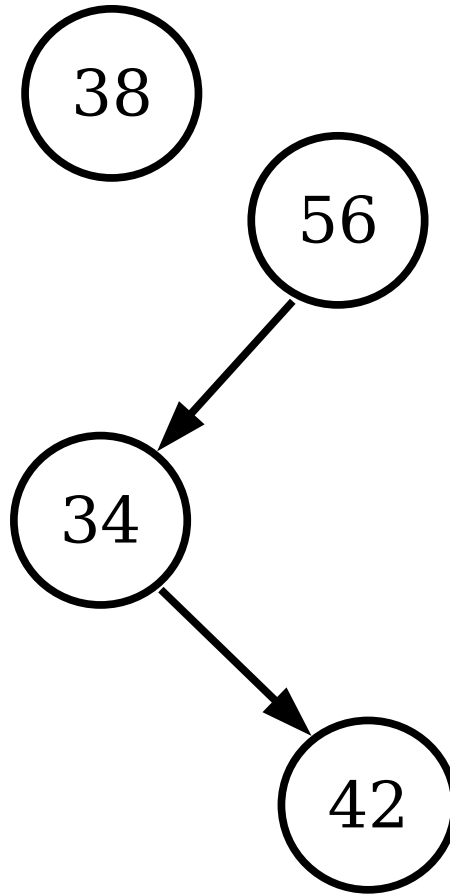
Binary Search Tree



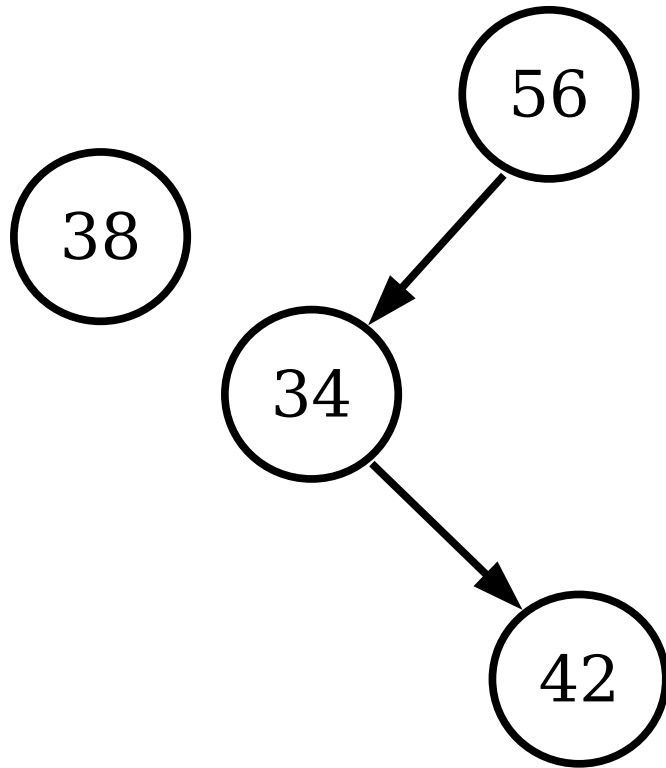
Binary Search Tree



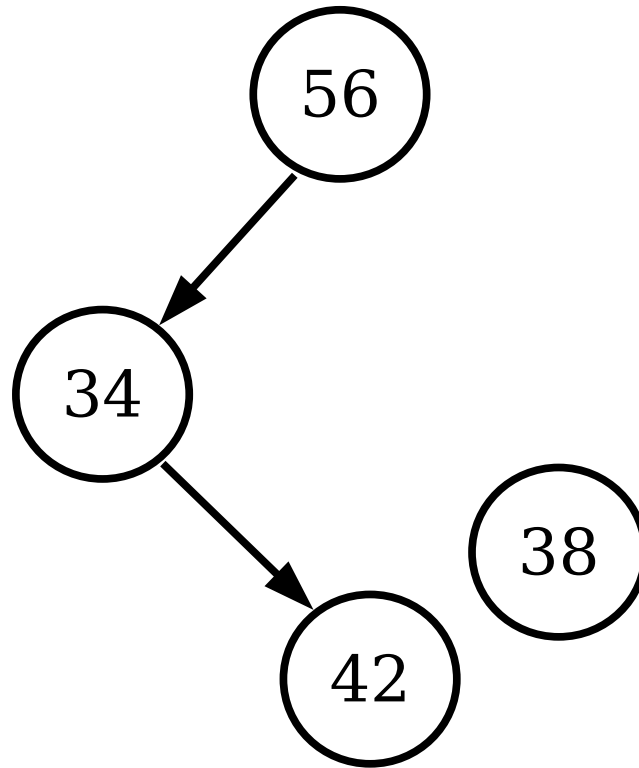
Binary Search Tree



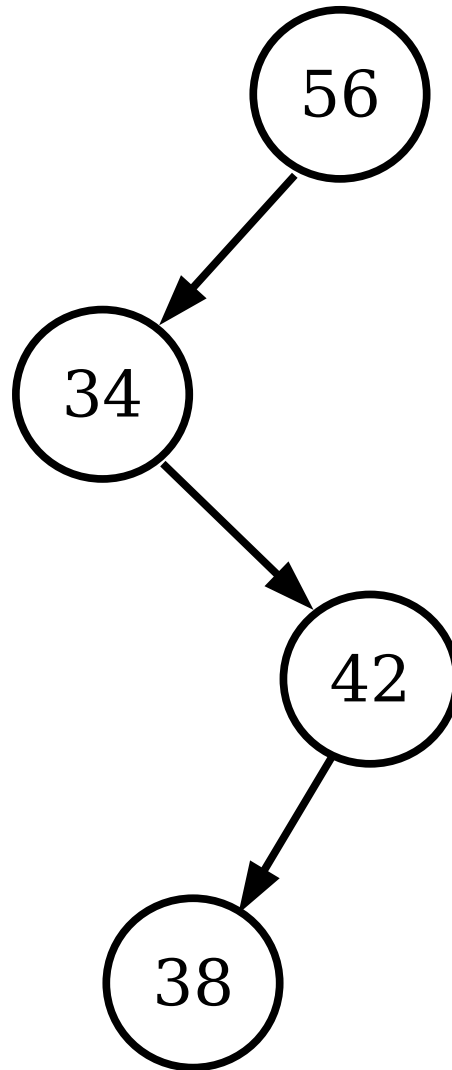
Binary Search Tree



Binary Search Tree



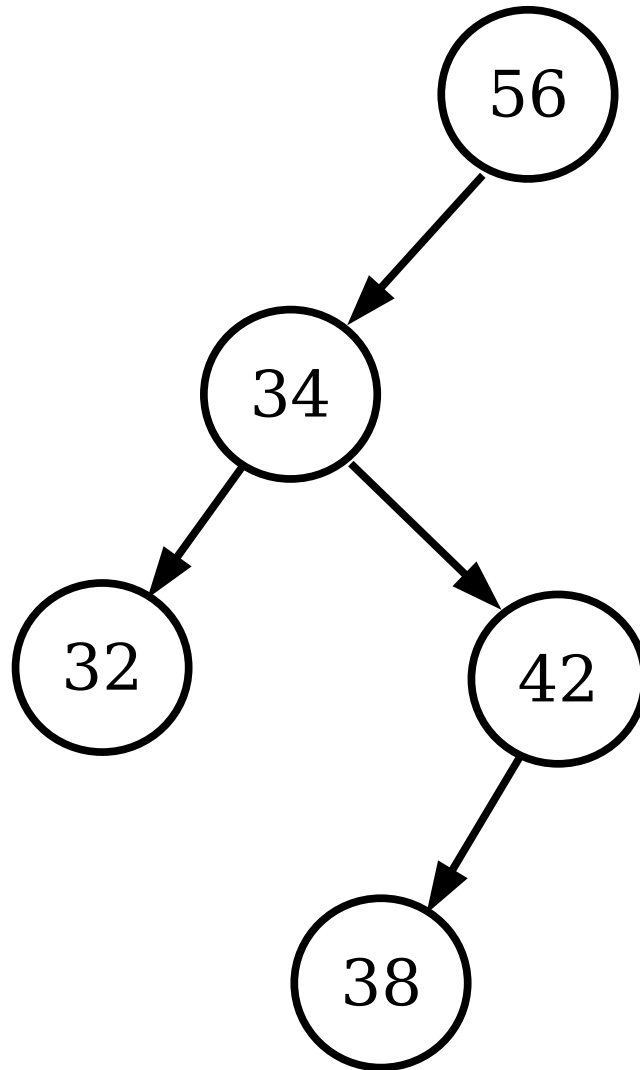
Binary Search Tree



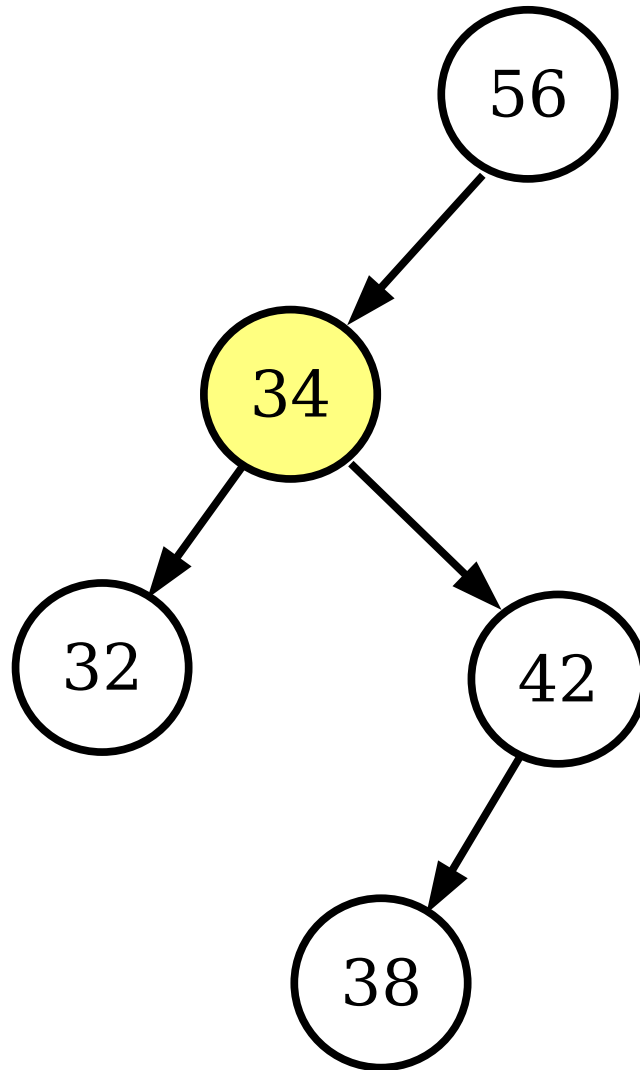
Binary Search Tree

Balancing Operations: Rotation

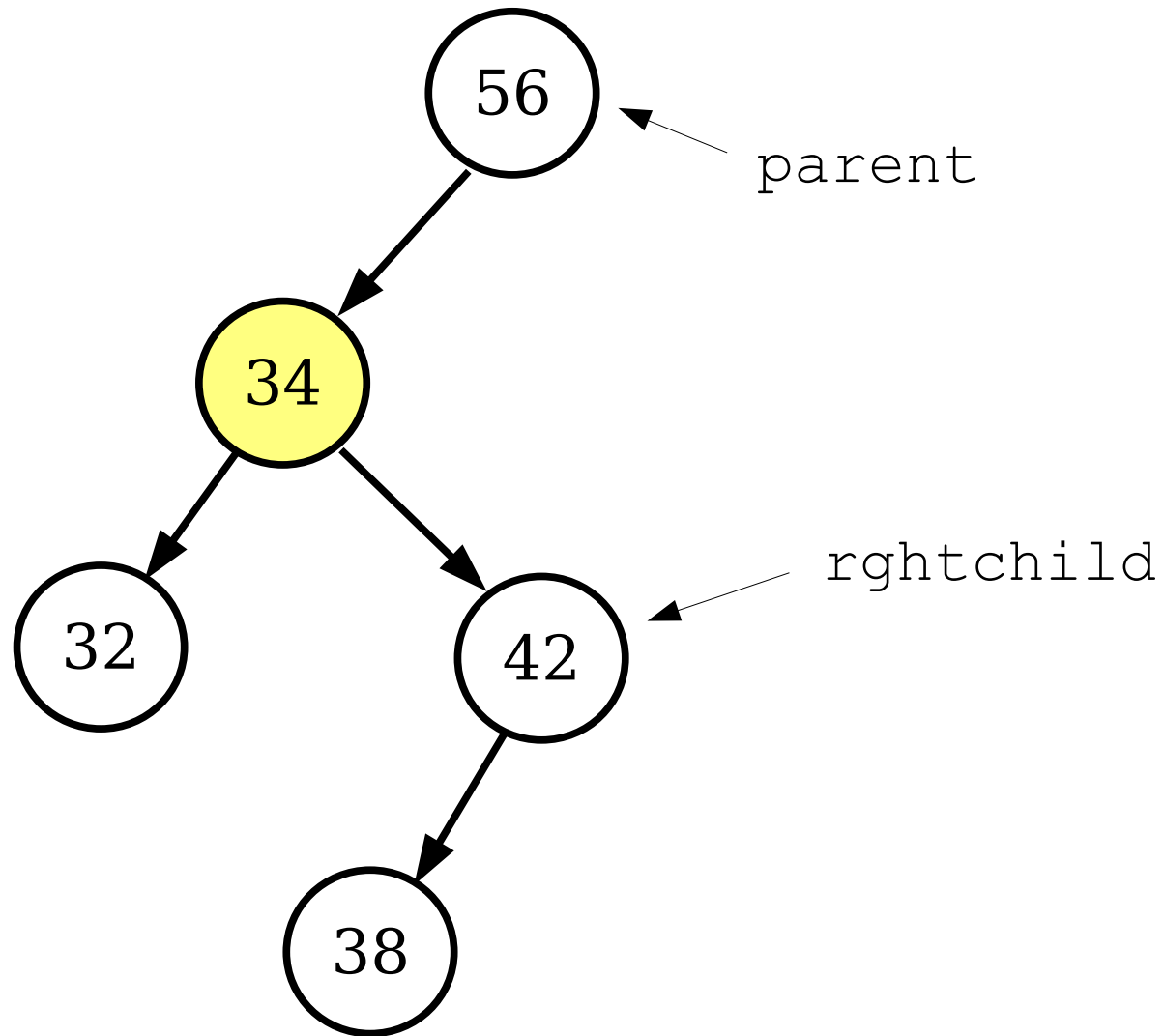
Binary Search Tree



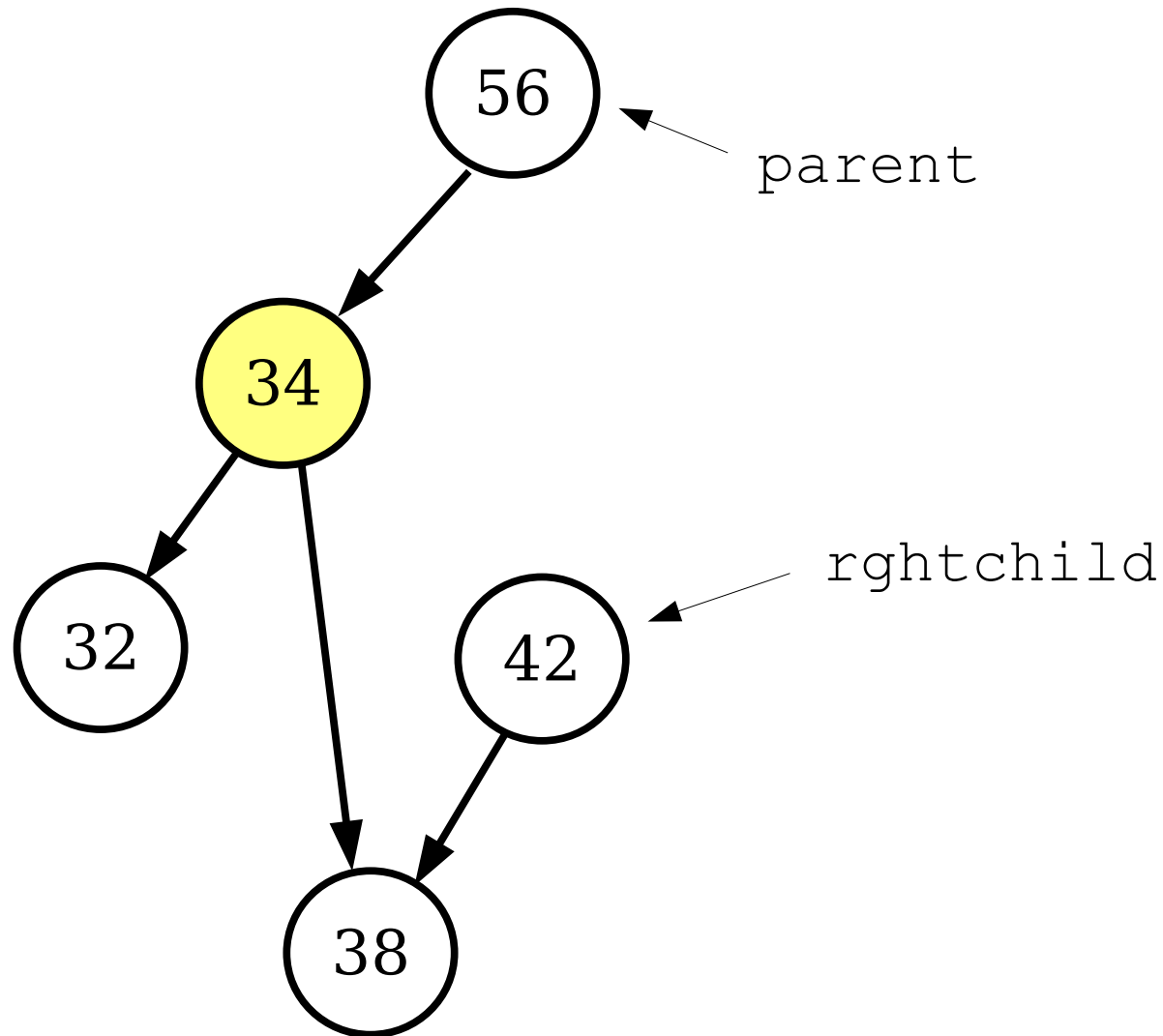
Binary Search Tree



Binary Search Tree

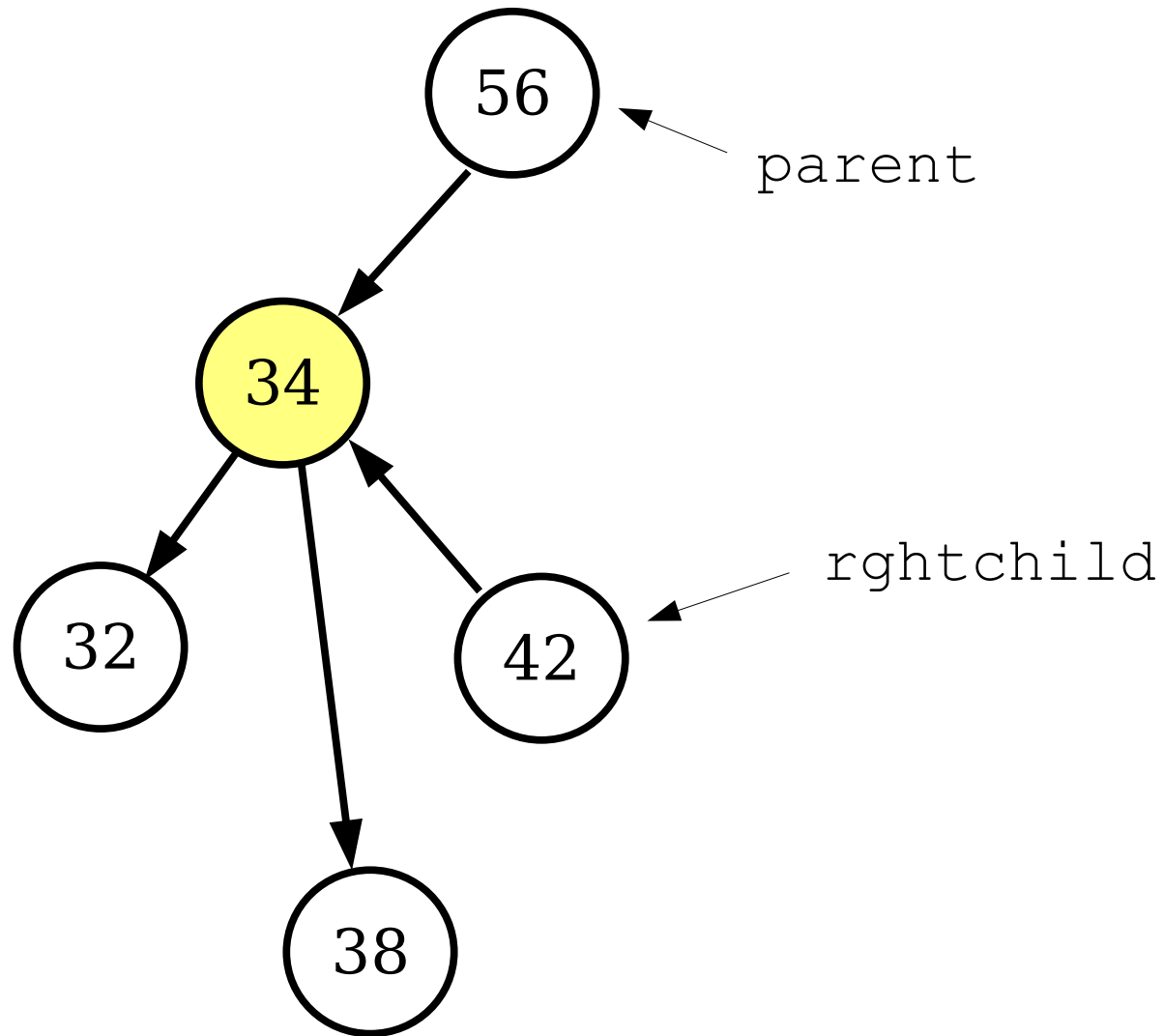


Binary Search Tree



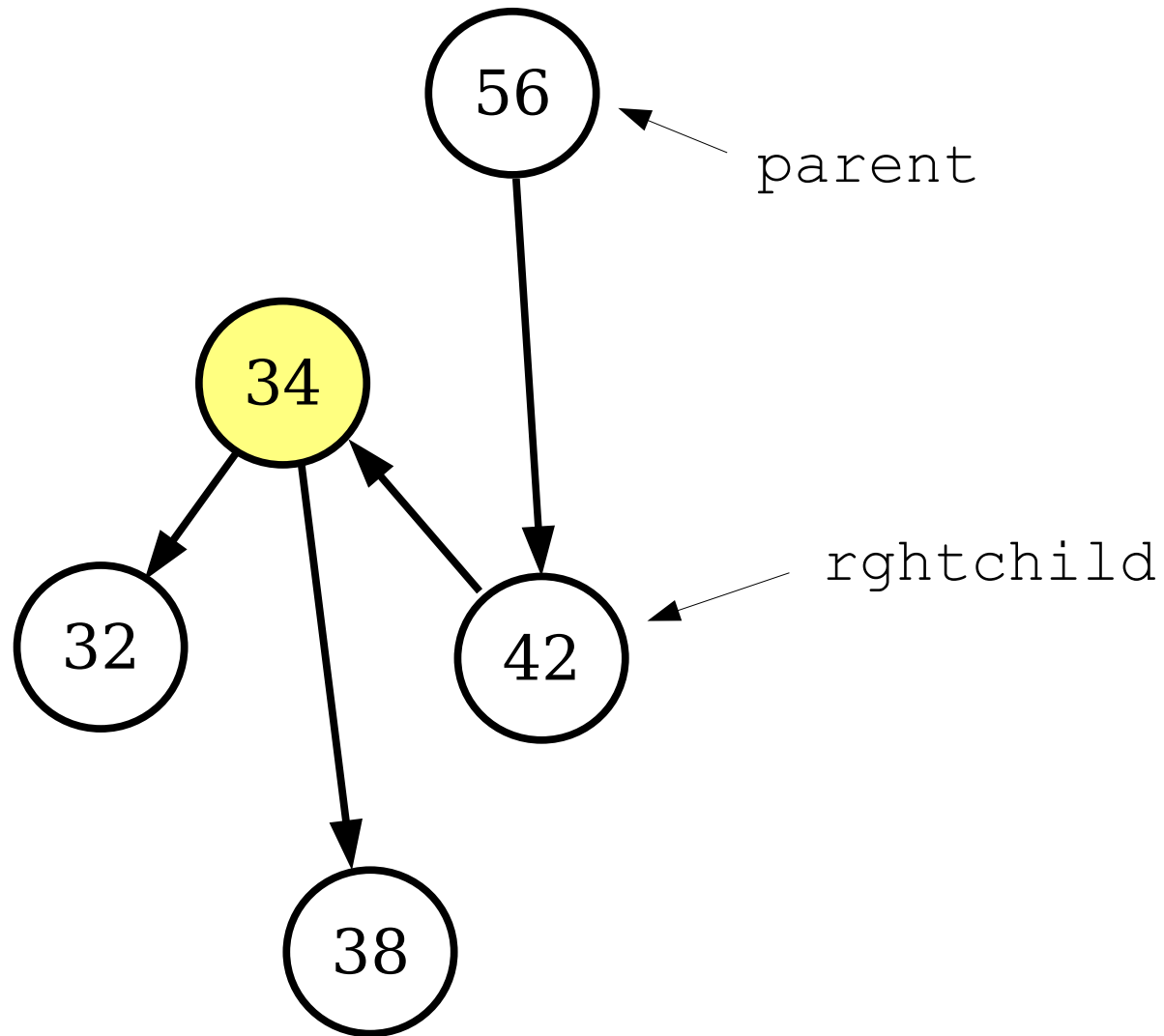
```
cell->rghtright = rghtright->lefttree;
```

Binary Search Tree



```
rghtrightchild->lefttree = cell;
```

Binary Search Tree



```
parent->rightright = righthchild;
```