

insert 24:

24

insert 60:

24	60
----	----

insert 100:

24	60	100
----	----	-----

insert 48:

60		
24	48	100

insert 50:

60			
24	48	50	100

insert 17:

60				
17	24	48	50	100

 →

48	60		
17	24	50	100

insert 32:

48	60			
17	24	32	50	100

insert 24:

48	60			
17	24	32	50	100

 →

24	48	60		
17	24	32	50	100

insert 53:

24	48	60			
17	24	32	50	53	100

insert 78:

24	48	60				
17	24	32	50	53	78	100

insert 103:

24	48	60					
17	24	32	50	53	78	100	103

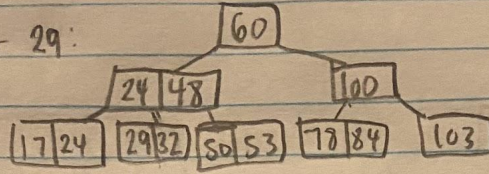
insert 84:

24	48	60	100				
17	24	32	50	53	78	84	103

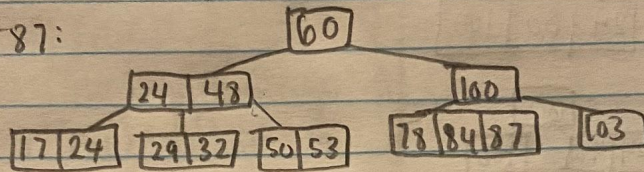
 →

60							
24	48	100					
17	24	32	50	53	78	84	103

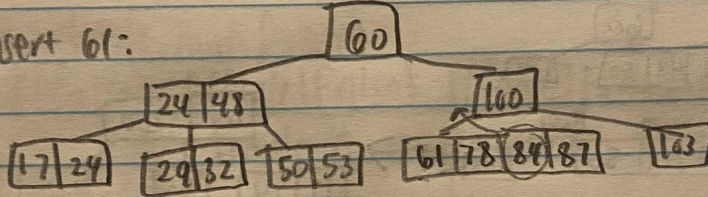
insert 29:



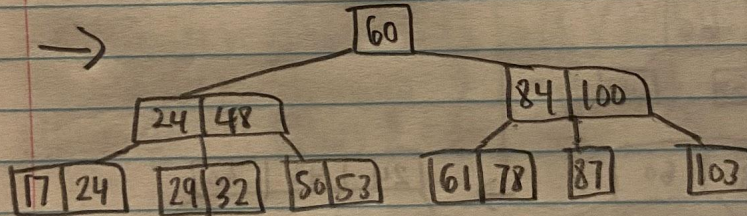
insert 87:

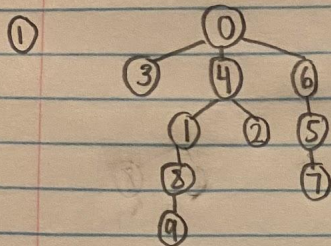


insert 61:



→

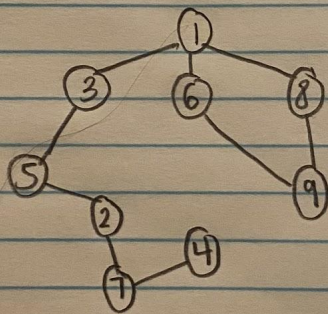




BFS uses a queue $\rightarrow 0, 3, 4, 6, 1, 2, 5, 8, 7, 9$

DFS uses a stack $\rightarrow 0, 3, 4, 1, 8, 9, 2, 6, 5, 7$

②



DFS visualization

```

      6
     / \
    1   9
   / \
  3   8
 / \
5   2
 \ /
  7
 / \
4   9
  
```

BFS uses a queue $\rightarrow 8, 1, 9, 3, 6, 5, 2, 7, 4$

DFS uses a stack $\rightarrow 6, 1, 3, 5, 2, 7, 4, 8, 9$