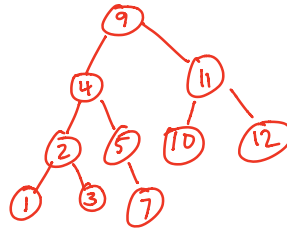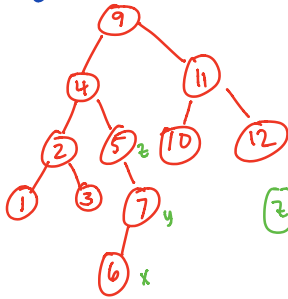Insert 1
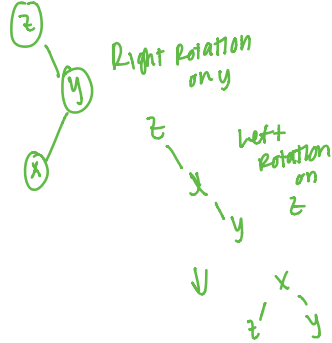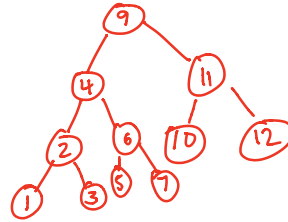

Height balance

Zig-zig right on 3

Insert 6

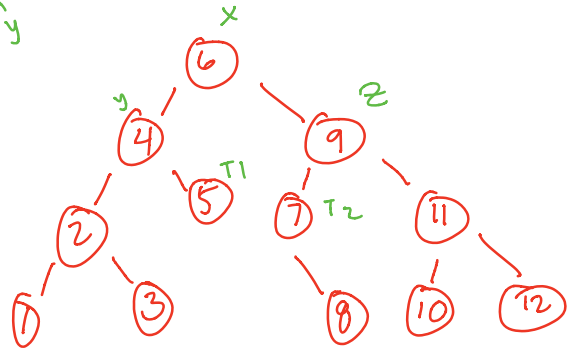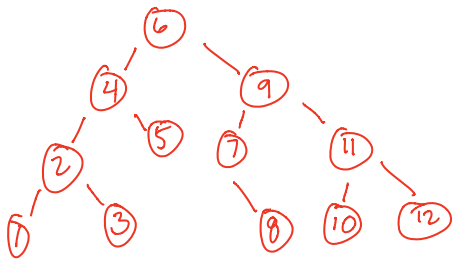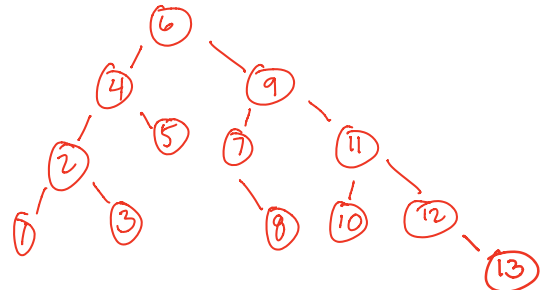Height Balance

Zig-Zag

Right Rotation on y

Left Rotation on z
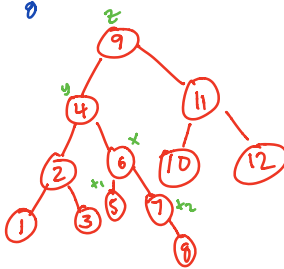
Insert 8

Left rotate on y, then right rotate on z.

Insert 13

Remove 5
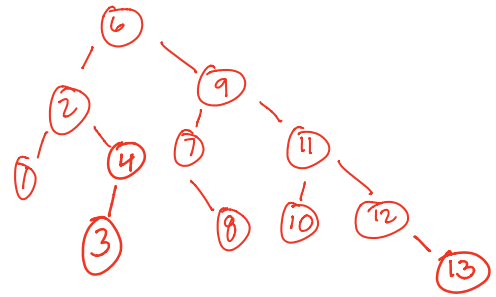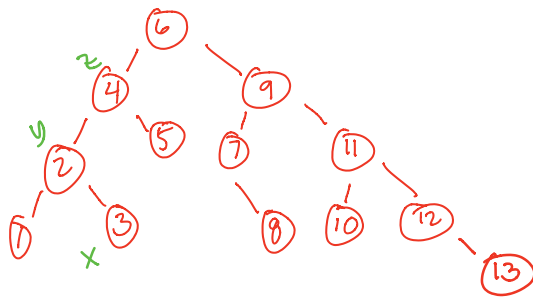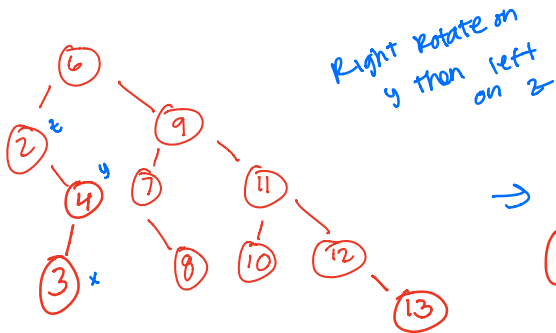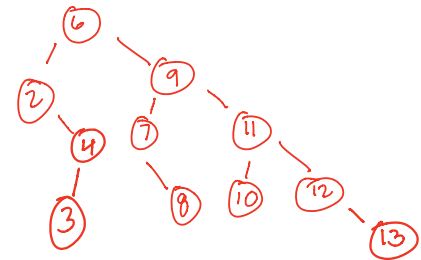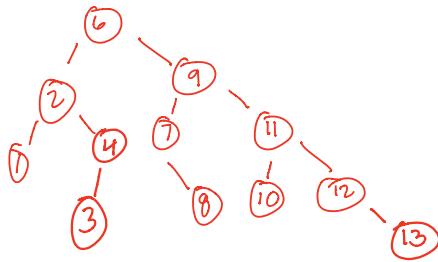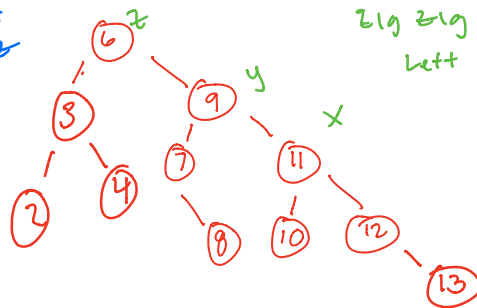
Remove 1

Right Rotate on
y then left
on z

Zig Zig now
Left on z.