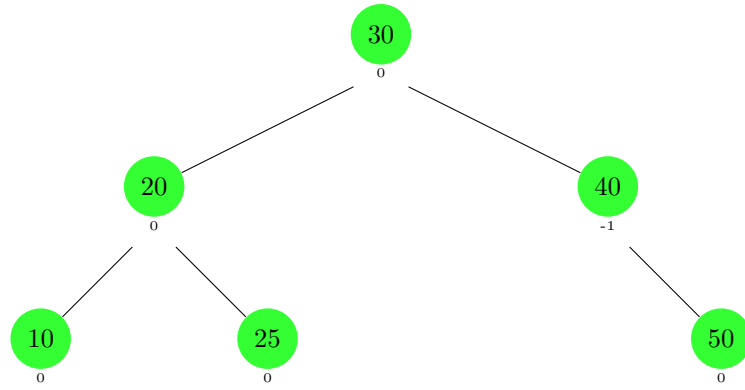


Initial AVL Tree



Step-by-Step Process

The following figures illustrate the AVL tree at various stages of the insertion and balancing process:

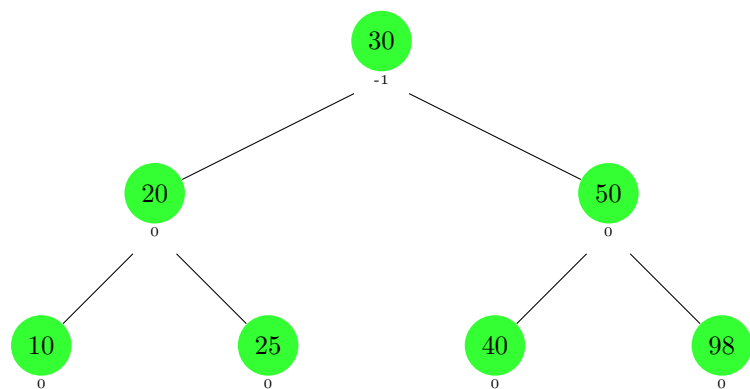


Figure 1: Step 1

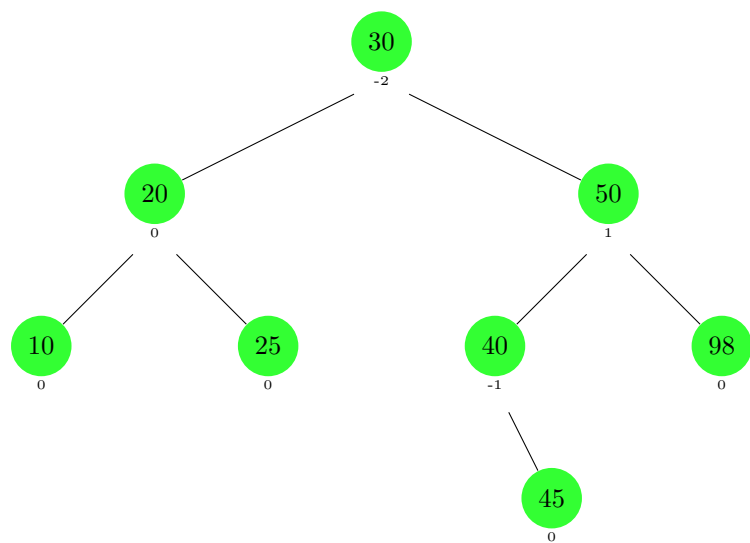


Figure 2: Step 2

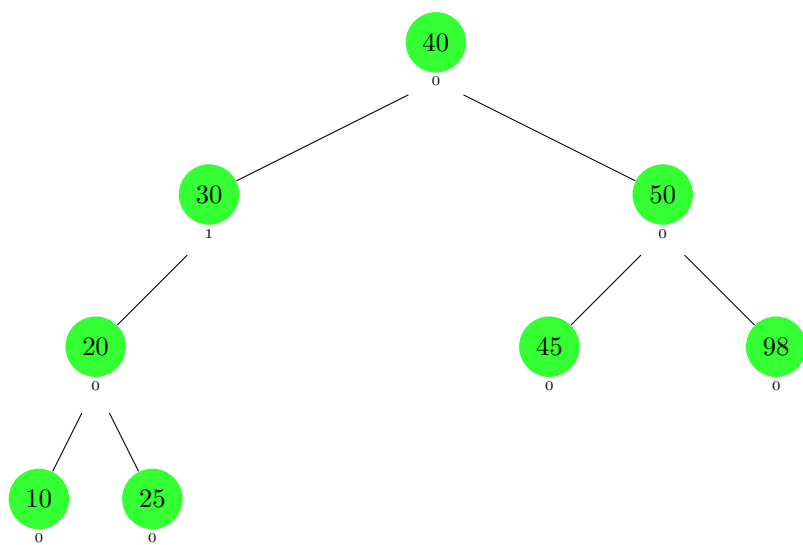


Figure 3: Step 3