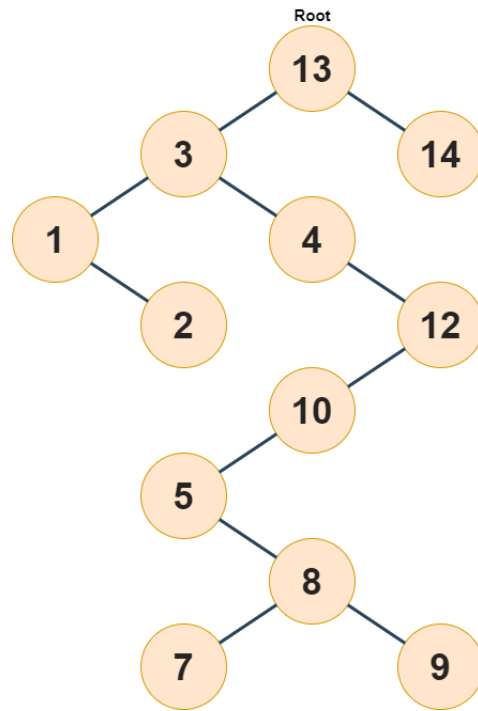
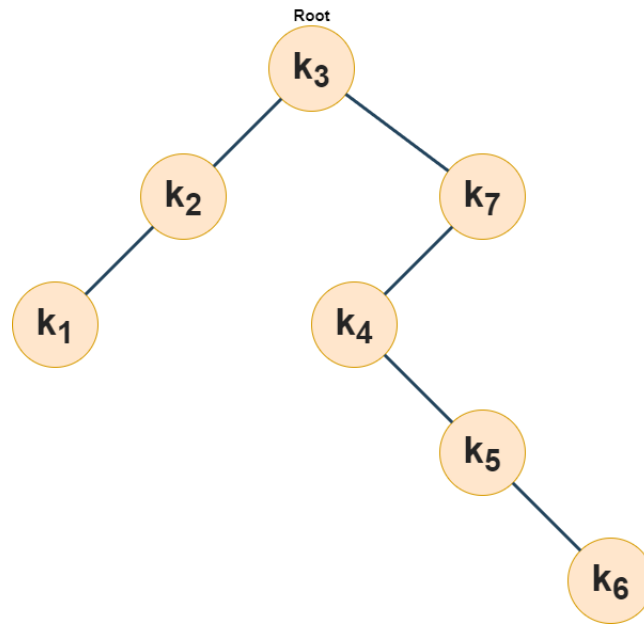


## 1 Exercise 4

### 1.1



1.2



In this binary search tree, the cost is computed by

$$\{0 \cdot 0.15 + 1(0.22 + 0.25) + 2(0.18 + 0.1) + 3(0.06) + 4(0.04)\} + 1 = 2.37$$

1.3

