2.

Indented Text Tree:

```
                                H,5
                        R,3
                X,7
        S,0
            E,12
                A,8
                    C,4
                                        P,10
                                M,9
                                    L,11
```
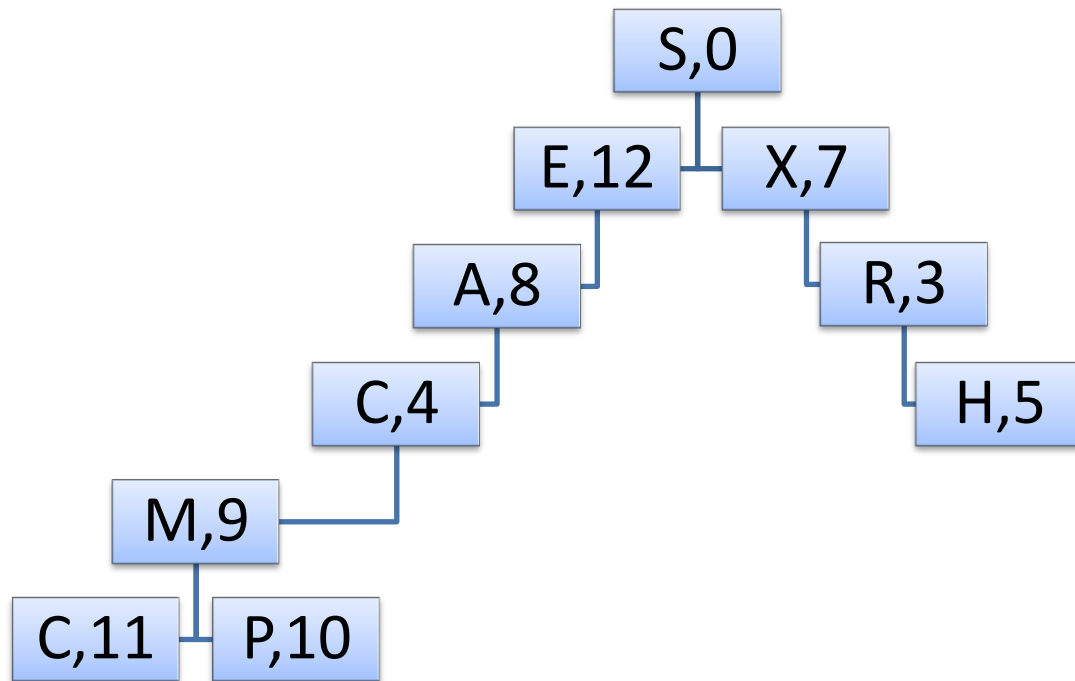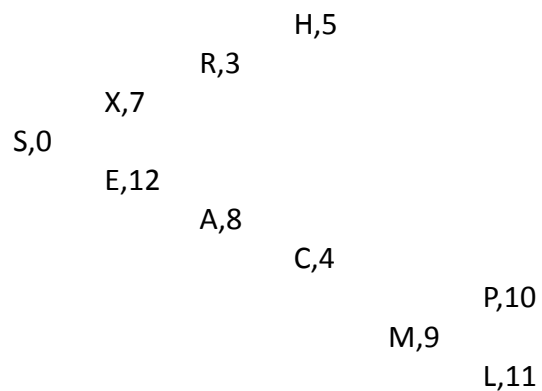
5.   If the tree holds true to a random-key distribution it should take approximately log*n time to determine the depth of a key in the tree.

6.   In the worst case scenario the depth will take time proportional to n to determine the depth of the key in the tree.