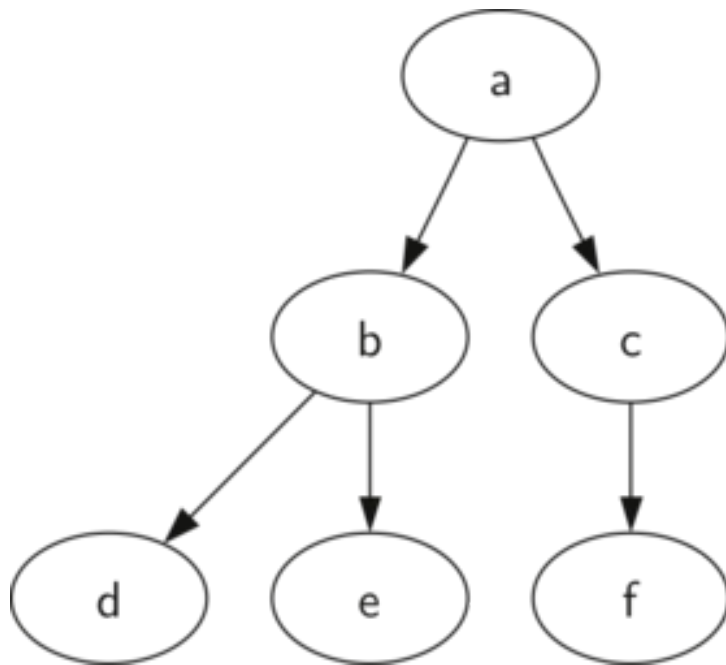# TREE REPRESENTATION IMPLEMENTATION

Trees

- In this lecture we will implement a Tree as a List of Lists

Trees

- In a list of lists tree, we will store the value of the root node as the first element of the list.

- The second element of the list will itself be a list that represents the left subtree.

- The third element of the list will be another list that represents the right subtree.

Trees

```
myTree = ['a',     #root
          ['b',  #left subtree
           ['d', [], []],
           ['e', [], []] ],
          ['c',  #right subtree
           ['f', [], []],
           [] ]
         ]
```

Trees

- Let's implement it!