

For each character, create a node associated with its frequency.  
Think of each node as a rooted tree.  
So, each node is the root of a tree.



In each iteration,

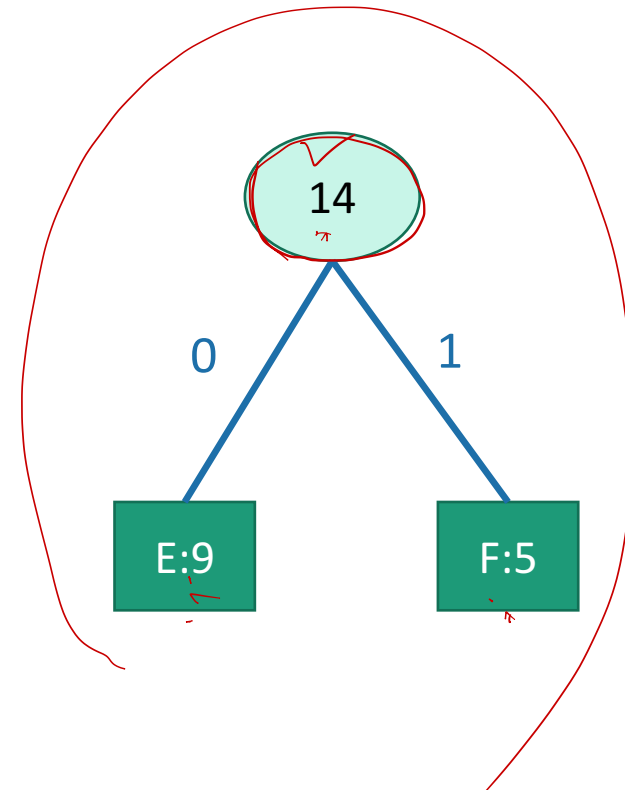
- Grab two roots with the min frequencies.
- Combine them by adding a new root with the frequencies combined.

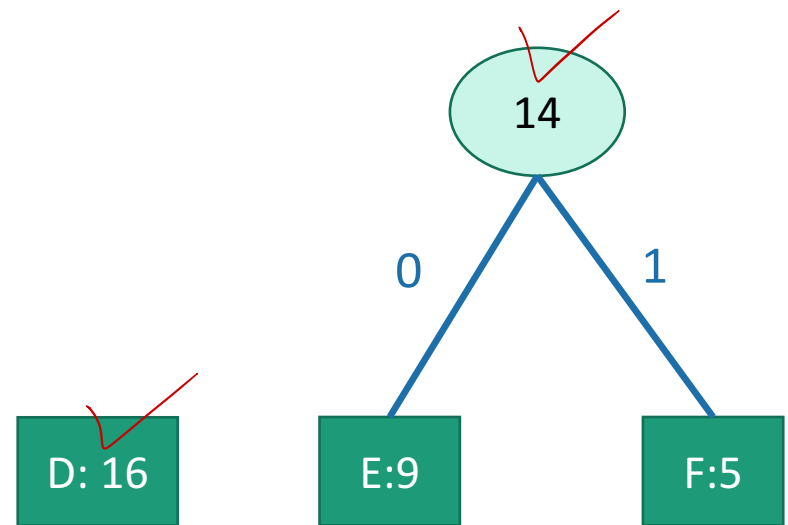
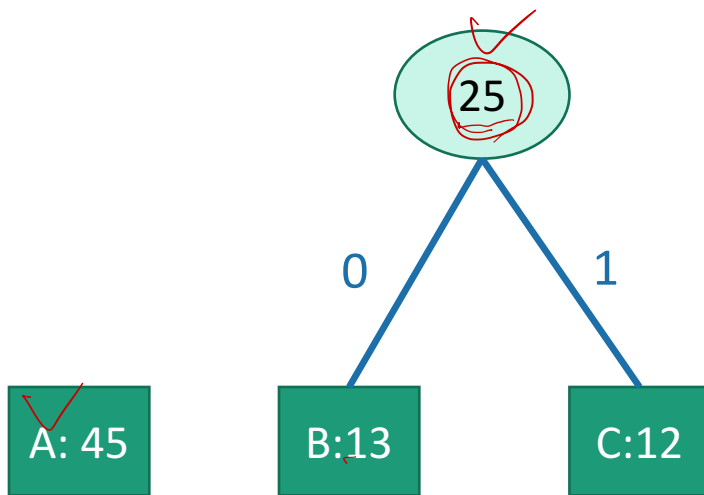
✓  
A: 45

✓  
B: 13

✓  
C: 12

✓  
D: 16





A: 45

B: 13

C: 12

25

0

1

B or C.

D: 16

E: 9

F: 5

30

1

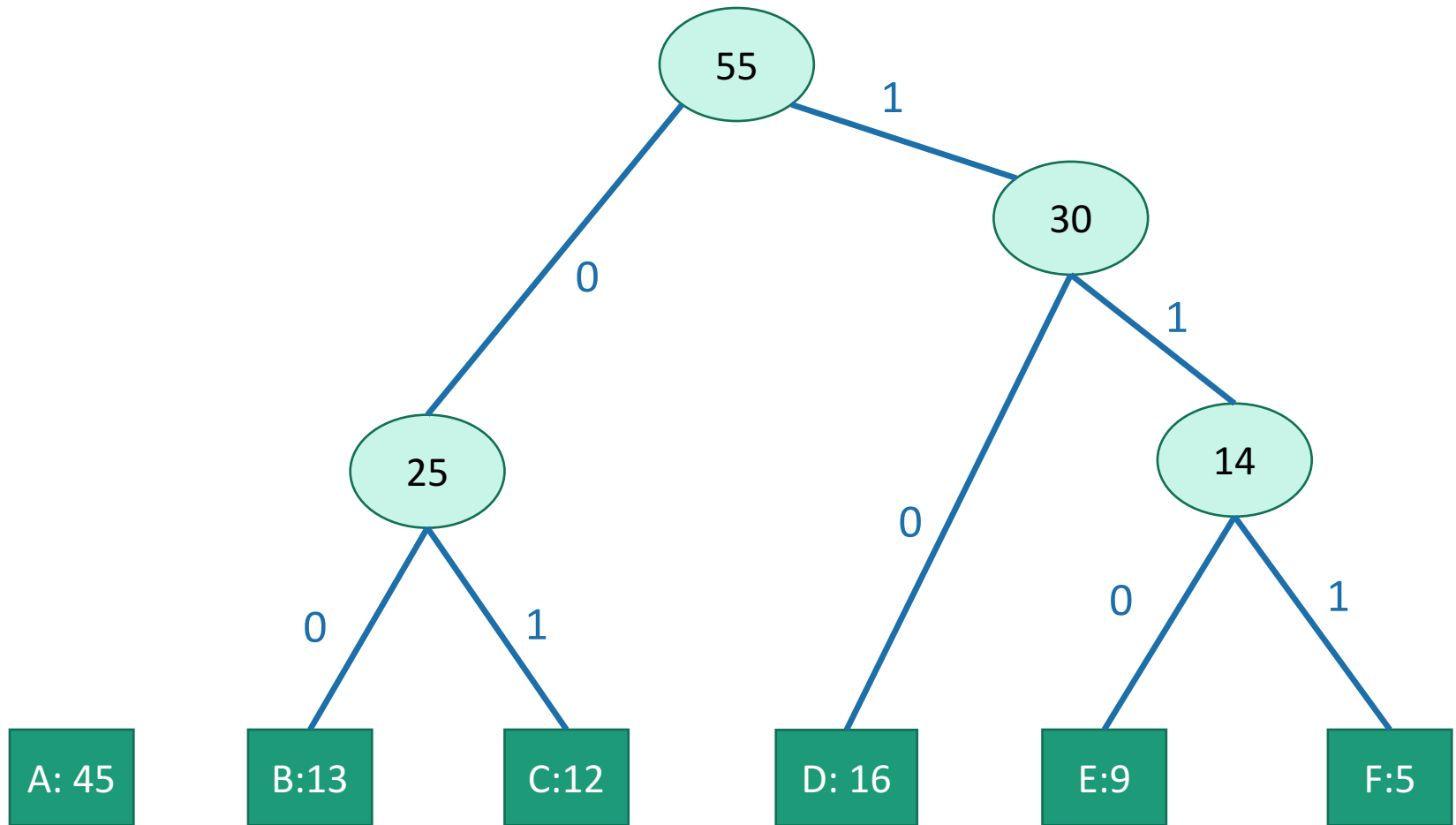
14

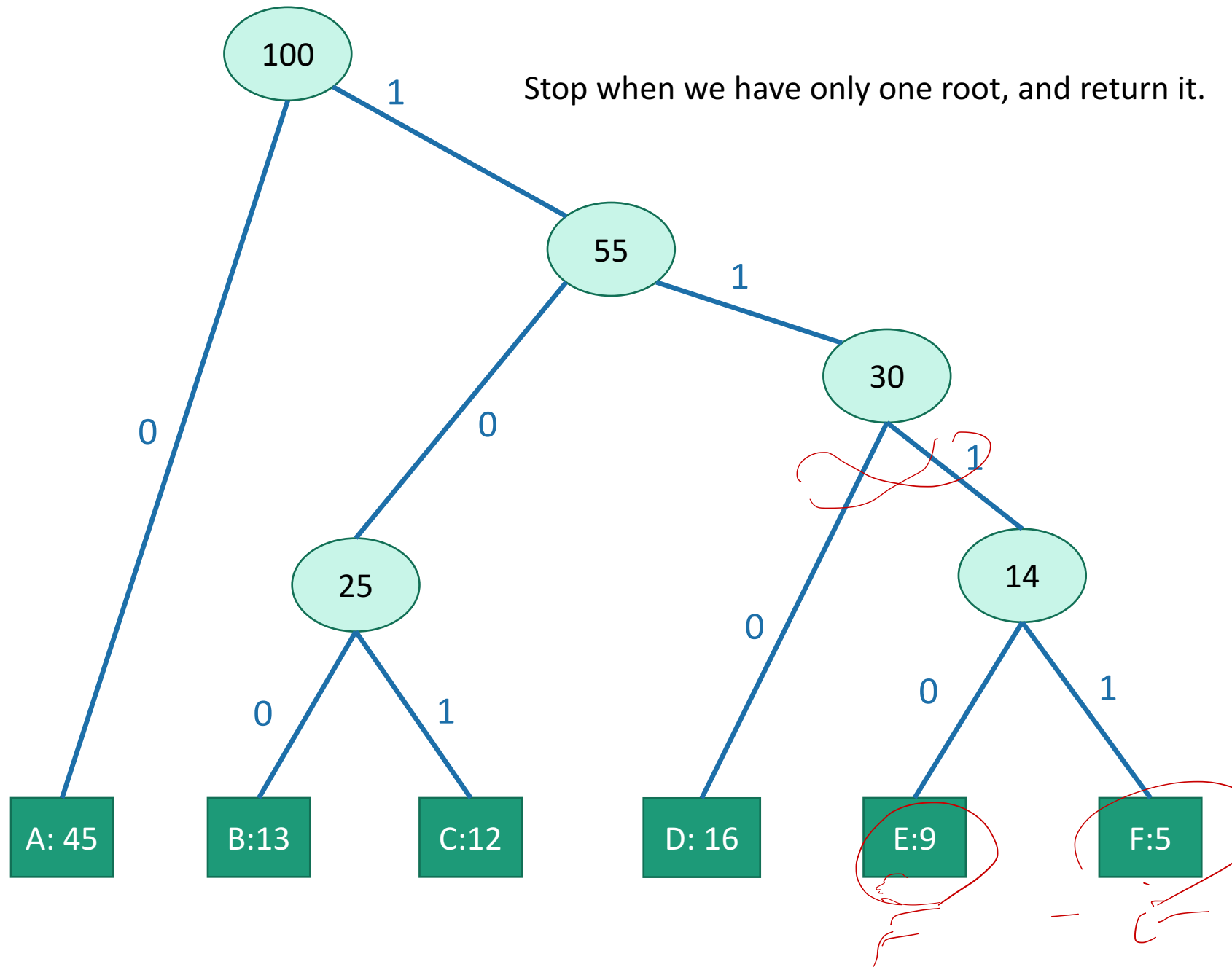
0

0

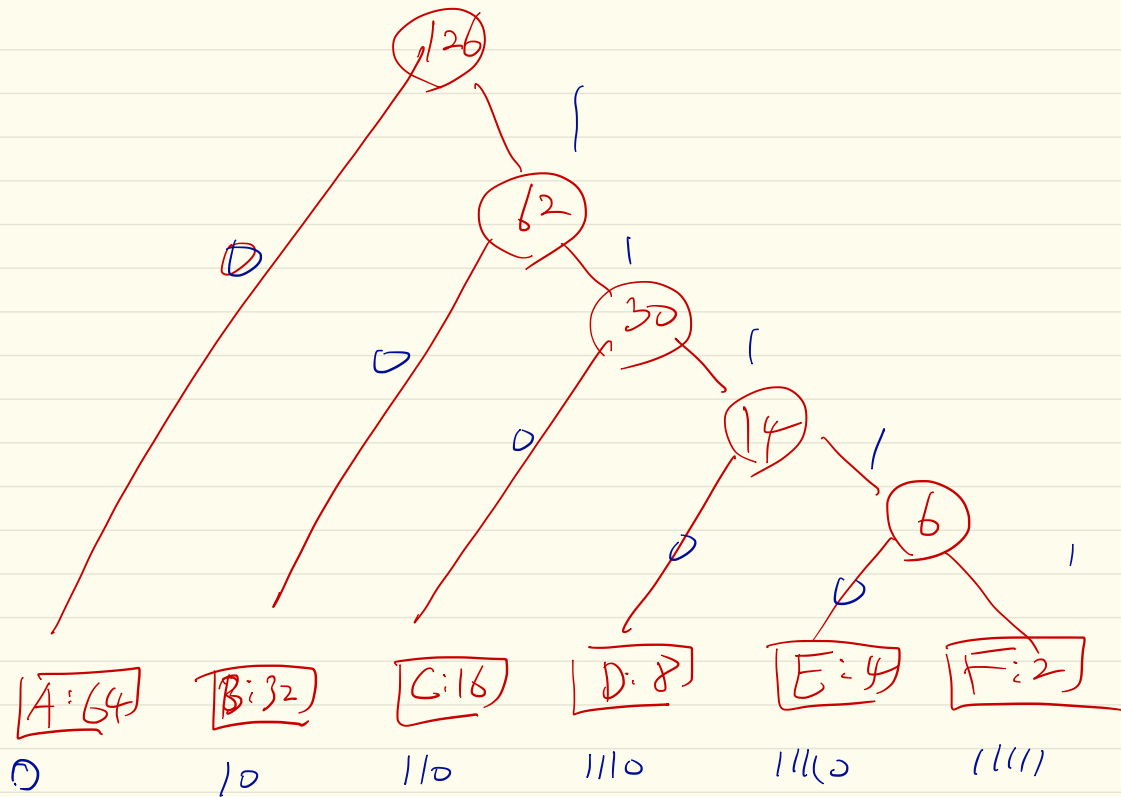
1

D or E or F.





A: 64  
B: 32  
C: 16  
D: 8  
E: 4  
F: 2



A: 10  
B: 0  
C: 0  
D: 0  
E: 0  
F: 0

