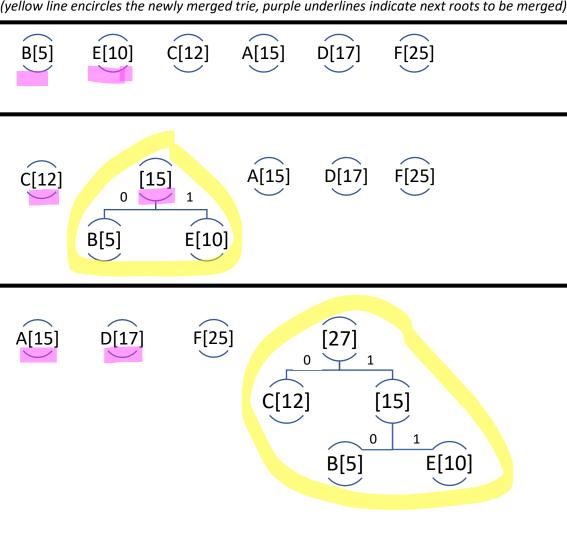
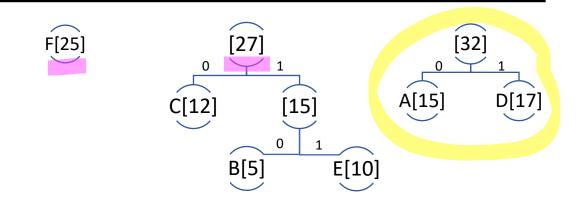
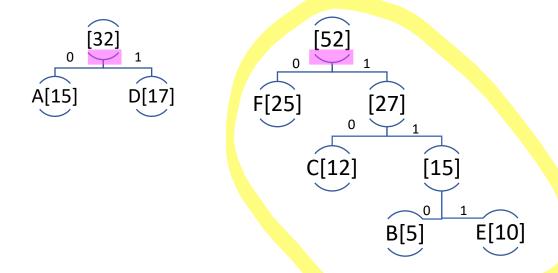
Jason Caplan Design and Analysis of Algorithms **Professor Leff** HW11

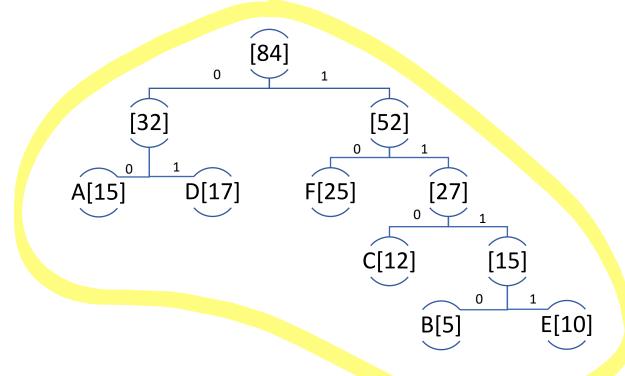
Building a Huffman Tree

(yellow line encircles the newly merged trie, purple underlines indicate next roots to be merged)









Huffman Encoding

- 1. DEED
 - a. 10100101
 - b. 8 bits
- 2. MUCK
 - a. 111111001110111101
 - b. 18 bits

Huffman Decoding 10110011101

DUCK