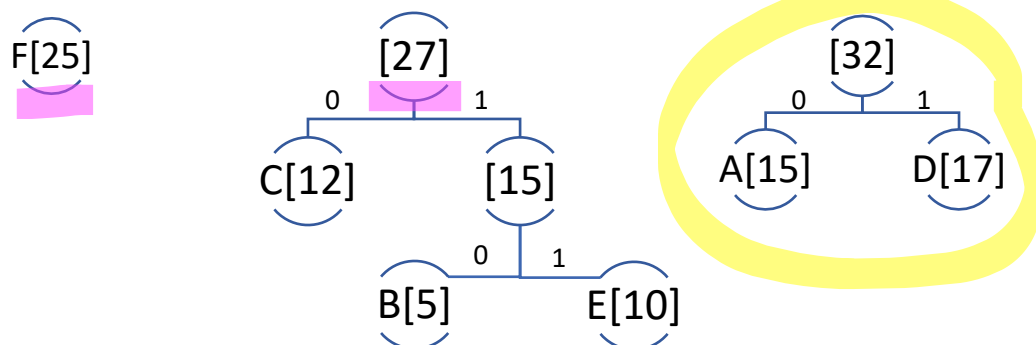
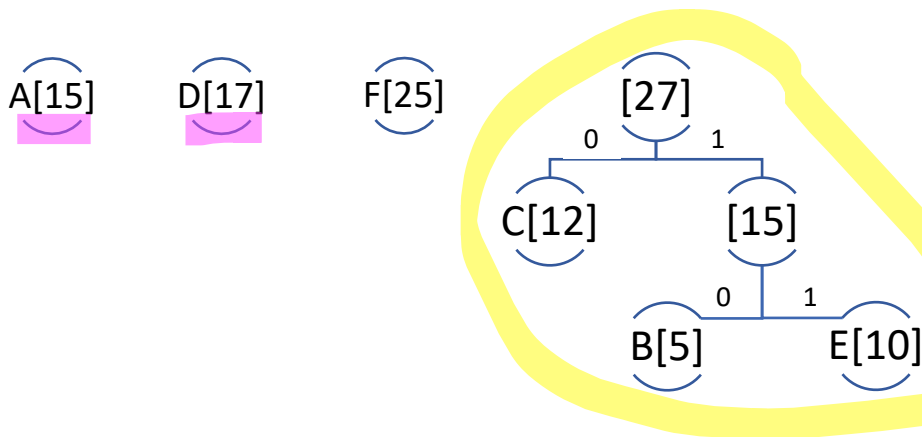
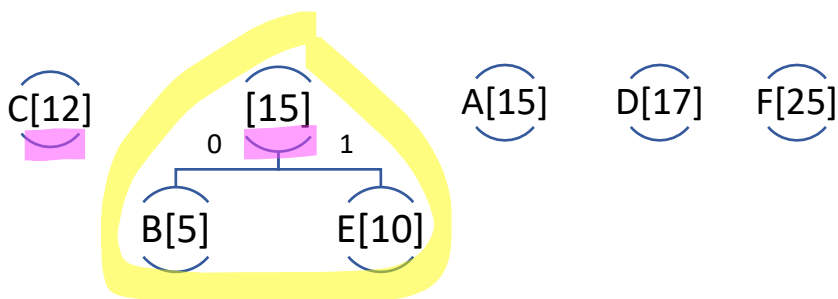
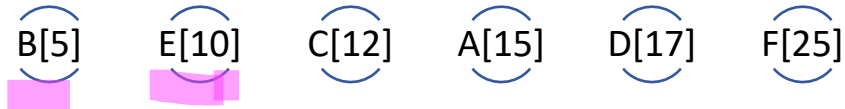
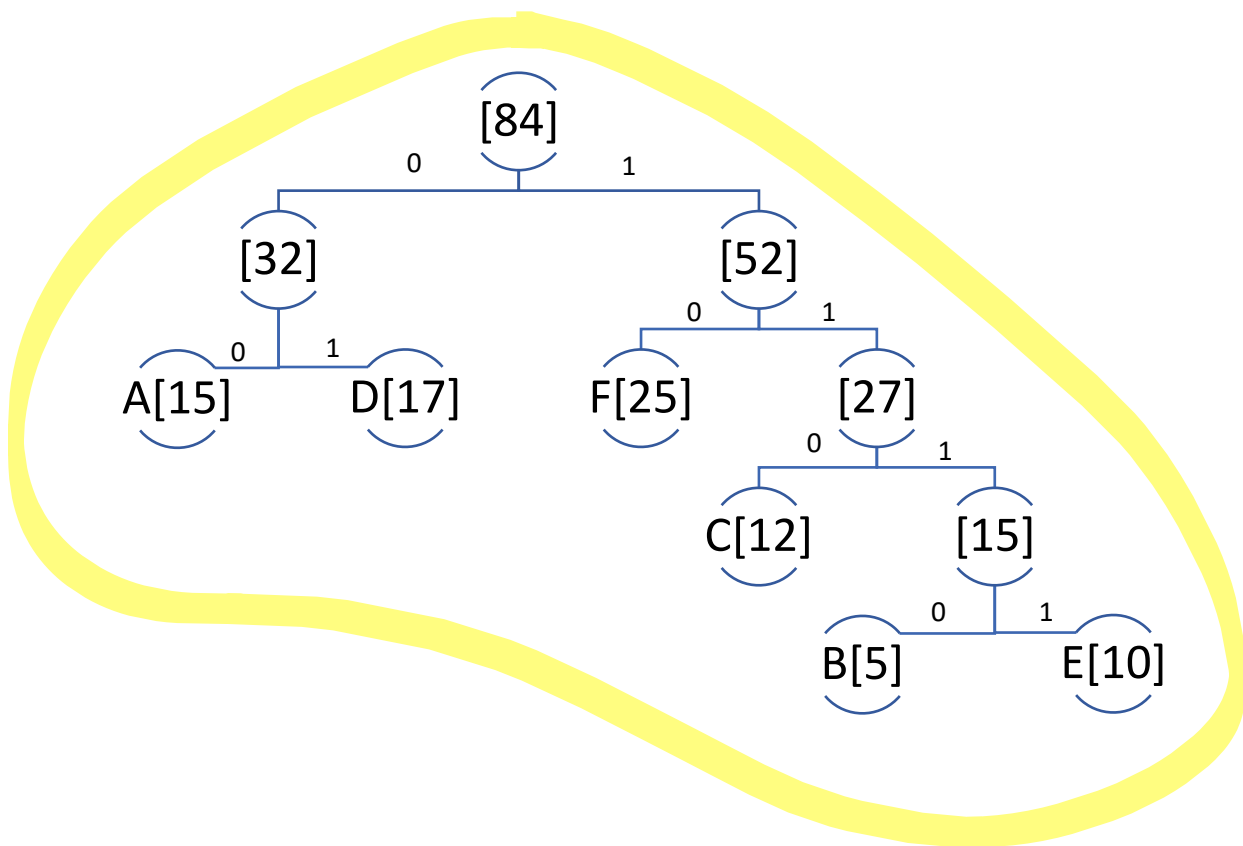
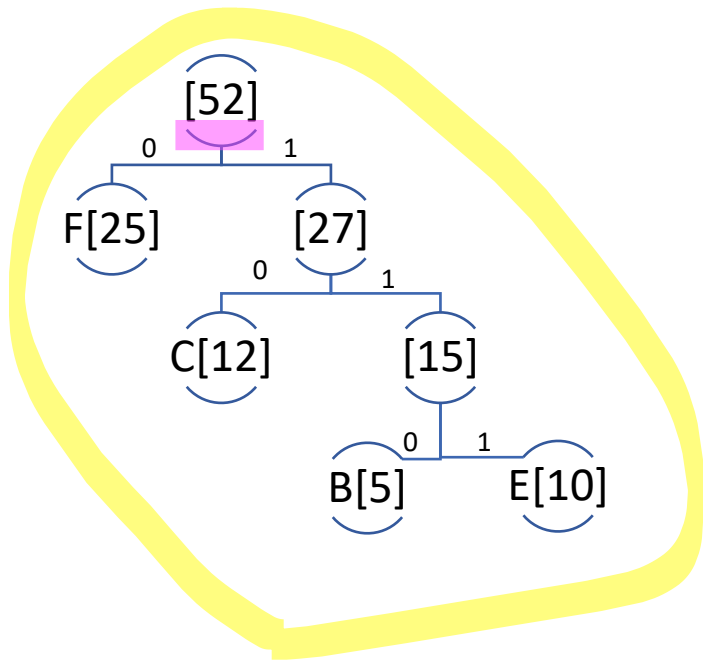
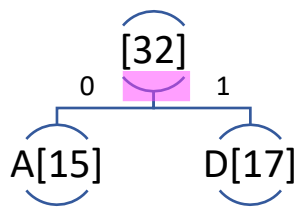


## Building a Huffman Tree

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





## Huffman Encoding

1. DEED
  - a. 10100101
  - b. 8 bits
2. MUCK
  - a. 11111001110111101
  - b. 18 bits

## Huffman Decoding

101001110111101

DUCK