

Lab 12

Question 2

Using Huffman coding we merge c and d:

$$A_1 = \{a/20, b/15, n1/20, e/45\}$$

Merge A+B:

$$A_2 = \{n2/35, n1/20, e/45\}$$

Merge n1 and n2:

$$A_3 = \{n3/55, e/45\}$$

Huffman code:

$$a = 000, b = 001, c = 010, d = 011, e = 1$$

Question 4

Output Code	Represents	Codeword	String
66	B	256	BA
65	B	257	AB
256	A	258	BAA
257	AB	259	ABA
65	A	260	AA
260	AA		