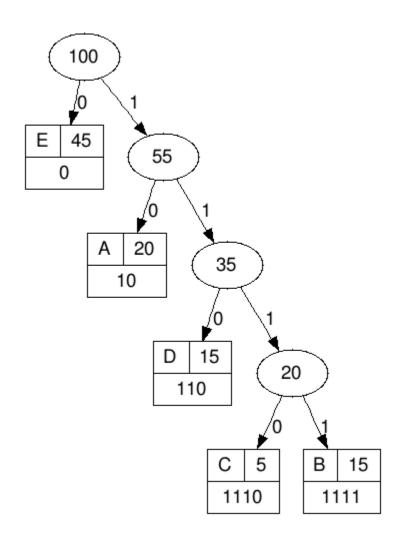
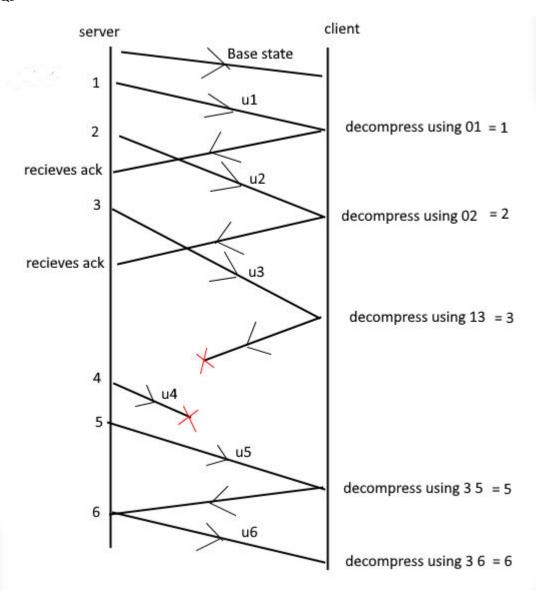
A = 10	bit count = 2
B = 1111	bit count = 4
C = 1110	bit count = 4
D = 110	bit count = 3
E = 0	bit count = 1

Average bit count = 2.8

Huffman tree visualisation





Q4 BABAABAAA

Code = 10560

dictionary:
A = 0
B = 1
C = 2
D = 4
BA = 5
AB = 6
BAA = 7
ABA = 8
AA = 9
B = 1
BA not in dictionary
A = 0
AB not in dictionary
BA = 5
BAA not in dictionary
AB = 6
ABA not in dictionary
A = 0
AA not in dictionary