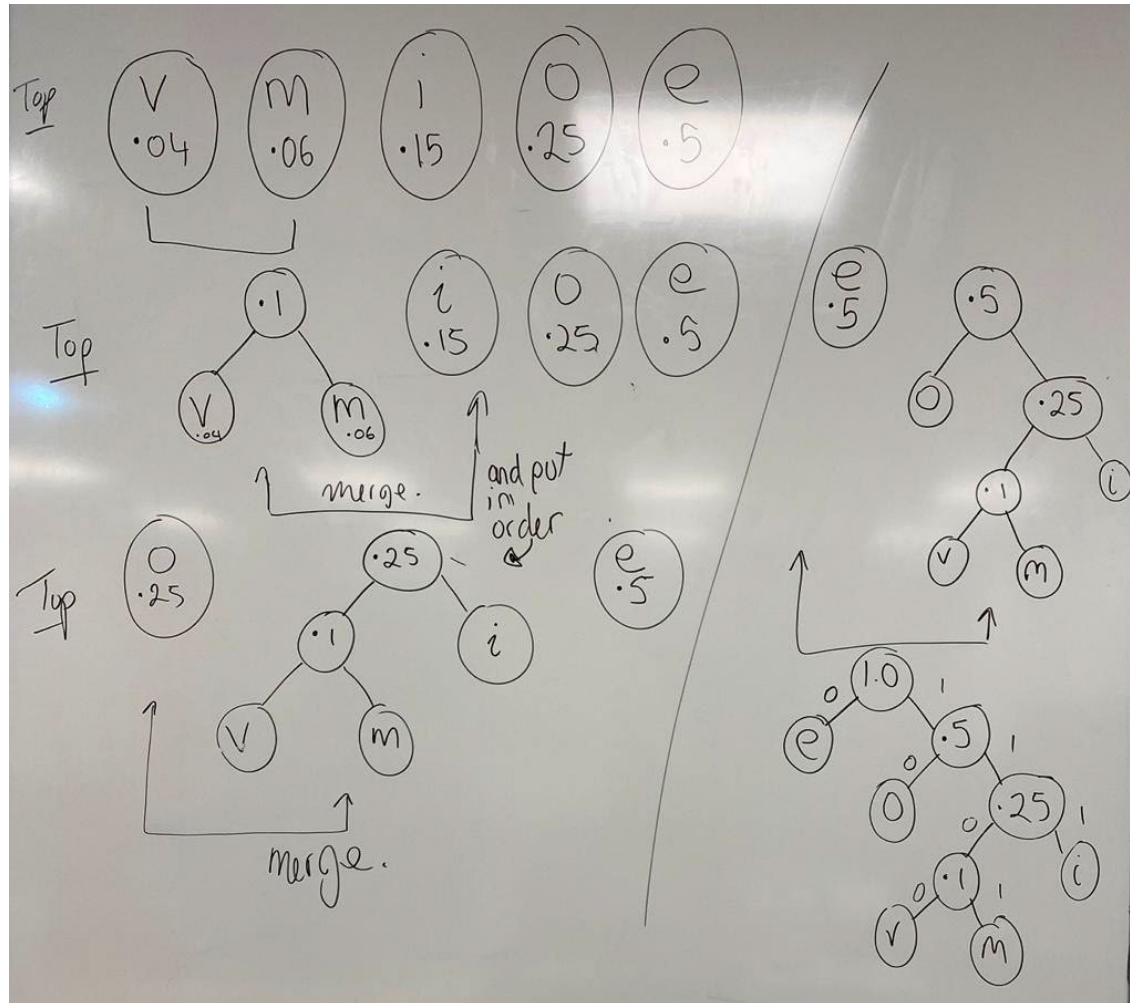


CT102 Tutorial

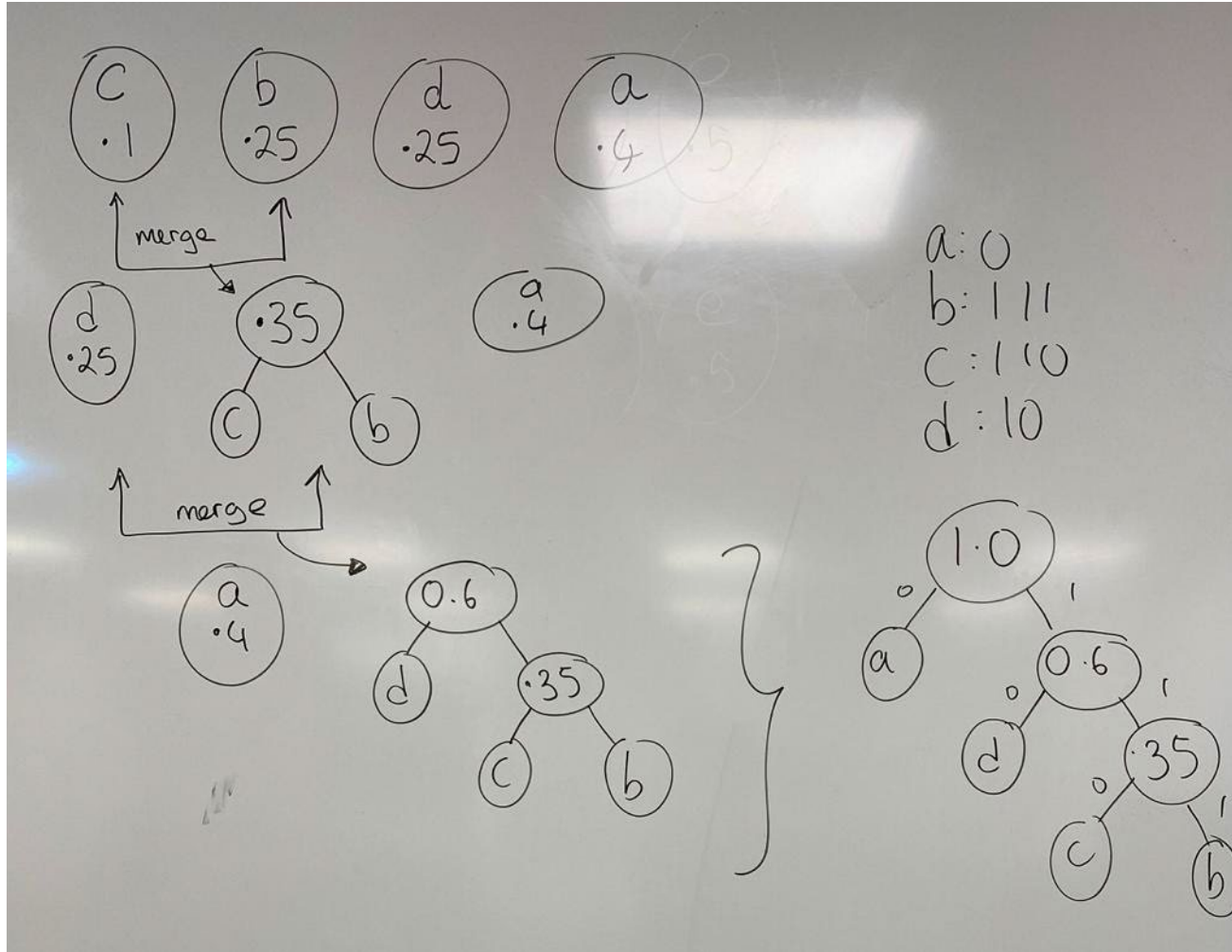
MCQ 3 Compression Questions

08/11/2023

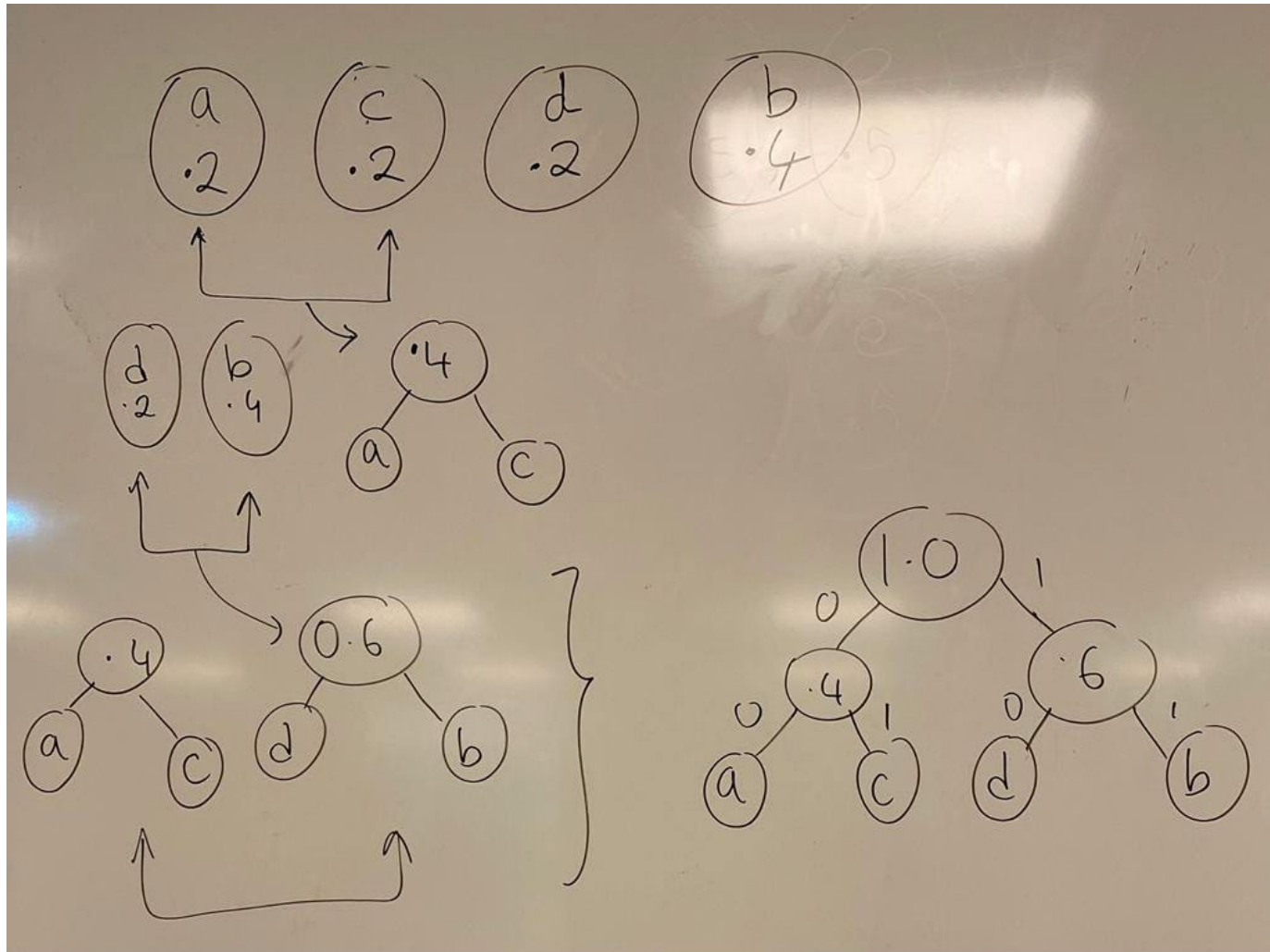
Given the following 5 characters (m, o, v, i, e) and their frequencies:
(m, 0.06), (o, 0.25), (v, 0.04), (i, 0.15) and (e, 0.5)



Given the following 4 characters (a, b, c, d) and their frequencies:
(a, 0.4), (b, 0.25), (c, 0.1), (d, 0.25).



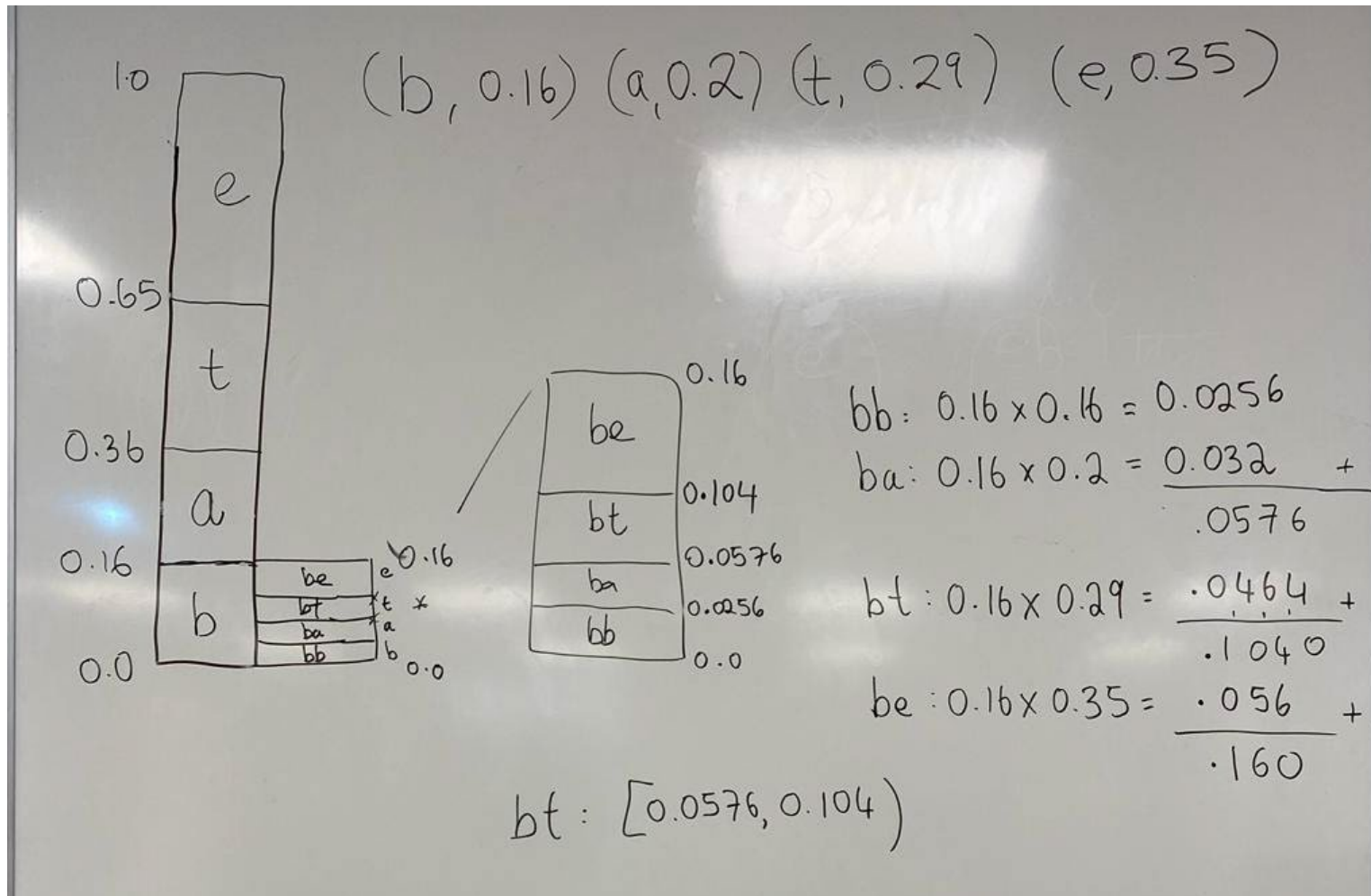
Given the following 4 characters and their frequencies:
(a, 0.2), (b, 0.4), (c, 0.2), (d, 0.2).



Given the following 4 characters and their frequencies:

(a, 0.2), (b, 0.16), (e, 0.35), (t, 0.29)

For arithmetic coding the interval corresponding to the message 'bt' is:



Given the following 3 characters and their frequencies:

(a, 0.4), (c, 0.4), (r, 0.2)

For arithmetic coding the interval corresponding to the messages 'ar',
'aa' and 'ra':

ar: [0.2, 0.28)

aa: [0.28, 0.44)

ra: [0.04, 0.12)

