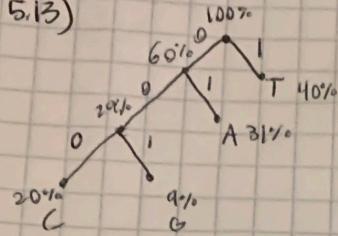


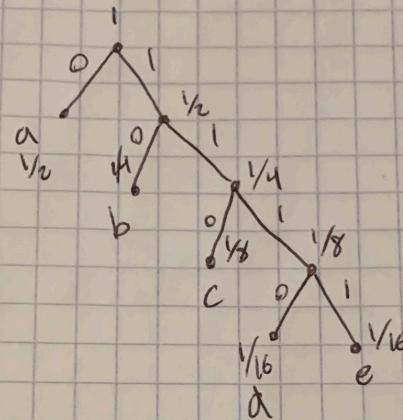
Sam Hopkins
Hw 11
5.13, 5.14

5.13)



$$\begin{aligned} A &= 01 \\ C &= 000 \\ G &= 001 \\ T &= 1 \end{aligned}$$

5.14) a)



$$\begin{aligned} a &= 0 \\ b &= 10 \\ c &= 110 \\ d &= 1110 \\ e &= 1111 \end{aligned}$$

b) $(1000000)/2 + (1000000)/4 * 2 + (1000000)/8 * 3 + (1000000)/16 * 4 + (1000000)/16 * 4 = \underline{1875000}$ bits