

~~14~~ - Problem Set 2
Data Compression

1-8: Ex 7.1.1 (a), (b), (c), (d)

2 (a), (b)

3 (a), (b)

but using $[f_{ij}] = \begin{bmatrix} .04 & .25 & .04 & .07 \\ .20 & .08 & .06 & .01 \\ .09 & .01 & .04 & .01 \\ .07 & .01 & .01 & .01 \end{bmatrix}$

9. Ex 7.1.4, but use

$$[f_{ij}] = \begin{bmatrix} .75 & .06 & .04 \\ .05 & .01 & .02 \\ .05 & .01 & .01 \end{bmatrix}$$

10,11: Ex 7.2.1, 7.2.2, but with reference
to the digram frequencies above.