

~~7.1.1~~ - Problem Set 2  
Data Compression

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

2 (a), (b)

3 (a), (b)

but using  $[f_{ij}] =$

.04	.25	.04	.07
.20	.08	.06	.01
.09	.01	.04	.01
.07	.01	.01	.01

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.