2.
a. p(b,i,7m,g,i) = P(b)P(i1b,7m)P(7m)P(g)b,i,7m)P(j/9) $= 6.9 \times 0.5 \times 0.9 \times 0.8 \times 0.9$

$$= 6.9 \times 0.5 \times 0.1 \times 0.$$

$$= d \begin{pmatrix} P(i) & (P(i)9) & ($$

$$= d(.73, 0.27)$$

$$= (0.73+0.27)$$

$$= (0.73+0.27)$$

$$= (3.21)$$

$$= \frac{1}{2} \frac{1}{2} (1, 76, 7i, m) = \frac{1}{2} \frac{1}{2} \frac{1}{2} (1, 76, 7i, 7i, m)$$

$$= \frac{1}{2} \frac{1}{2} \frac{1}{2} (1, 9i) P(7i) P(7$$