

13.8

a. $0.108 + 0.012 + 0.016 + 0.064 = 0.2$

b. $0.108 + 0.012 + 0.072 + 0.008 = 0.2$

c. $\frac{0.108 + 0.012}{0.2} = 0.6$

d. $\frac{0.108 + 0.012 + 0.072}{0.2 + 0.072 + 0.144} = \frac{0.192}{0.416} = 0.462$

13.15

$$P(\text{阳}) = \frac{1}{10000} \times \frac{99}{100} + \frac{9999}{10000} \times \frac{1}{100} = \frac{99 + 9999}{1000000} = \frac{10098}{1000000}$$

$$P(\text{患}) = \frac{1}{10000}$$

$$P(\text{患}) | P(\text{阳}) = \frac{100}{10098} = 0.01$$

因为概率越小，~~检测结果越准确~~就越可能是
错误