

Cancer status

Test result

cancer, 0.017

positive, 0.78

$$0.017 * 0.78 = 0.0133$$

negative, 0.22

$$0.017 * 0.22 = 0.0037$$

no cancer, 0.983

positive, 0.1

$$0.983 * 0.1 = 0.0983$$

negative, 0.9

$$0.983 * 0.9 = 0.8847$$