

Cancer status

Test result

cancer, 0.12

positive, 0.78

$$0.12 * 0.78 = 0.0936$$

negative, 0.22

$$0.12 * 0.22 = 0.0264$$

no cancer, 0.88

positive, 0.1

$$0.88 * 0.1 = 0.088$$

negative, 0.9

$$0.88 * 0.9 = 0.792$$