

?- go.

Does the patient live in high pollution area?(y/n): y.

Does the patient smoke?(y/n): |: y.

Does the patient cough?(y/n): |: y.

Is the chest x-ray positive?(y/n): |: y.

Probability of asthma: 0.8418006430868167

Probability of cancer: 0.9646302250803857

Therefore, cancer is more likely the cause.

true.

?- go.

Does the patient live in high pollution area?(y/n): y.

Does the patient smoke?(y/n): |: n.

Does the patient cough?(y/n): |: y.

Is the chest x-ray positive?(y/n): |: n.

Probability of asthma: 0.8901261150415255

Probability of cancer: 0.015379883112888341

Therefore, asthma is more likely the cause.

true.

?- go.

Does the patient live in high pollution area?(y/n): n.

Does the patient smoke?(y/n): |: y.

Does the patient cough?(y/n): |: y.

Is the chest x-ray positive?(y/n): |: y.

Probabilitlity of asthma: 0.3631067961165048

Probability of cancer: 0.9708737864077671

Therefore, cancer is more likely the cause.

true.

?-

?- go.

Does the patient live in high pollution area?(y/n): n.

Does the patient smoke?(y/n): |: n.

Does the patient cough?(y/n): |: y.

Is the chest x-ray positive?(y/n): |: n.

Probabilitlity of asthma: 0.4646684151367552

Probability of cancer: 0.018733608092918692

Therefore, asthma is more likely the cause.

true.