Donovan Lee

Assignment 7

a. $\vec{P}$ (Visit to Asia | dyspnoea) = <0.01032 , 0.98698>

b. $\vec{P}$ (Tuberculosis | positive X-ray, $\neg$dyspnoea) = <0.05402 , 0.94598 >

c. P(bronchitis | $\neg$lung cancer) = P(bronchitis? = T) = 0.44286

d. P($\neg$lung cancer | tuberculosis, $\neg$dyspnoea) = P(lung caner? = F) = 0.95143

e. $\vec{P}$ (Smoking | $\neg$positive X-ray, bronchitis, $\neg$visit to asia) = <0.64565 , 0.35435>