The AMERICA 2 P (cavid = 1) = 0:08 P (fext = 1 | Covid = 1) = 0.9 P (text = 0 | Covid = 0) = 0.97 P (Cond = 1) + P (test = 1 (Cond = 0) + P (Cond = 0) + P (test = we have to find P(Covid = 1 | text = 1) = P(text = 1 | Covid = 1) P(covid = 1) E0.0 x p (text = 1) > 00 P(test=1 | covid=1) P(covid=1) = P(covid = 1) x P(text=1 | Lovid = 1) + P(ovid = 0) x P(text=1 | Covid = 0) 0.9 40.08 = 0.723 0.08 x 6.9 + 0.92 x 0.03

We should predict him to be positive

From a, 8010= (1= bros) 1 P(Good = 1 (text = 1) (1 = box) 1 = toot) 9 = P(text=1 | covid=1) P(Govid=1) P (Covid = 1) * P (test=1 | Covid = 1) + P (covid = 0) * P (test=1 | Covid = 0) one from to line (= 010) 9 0 19 10 01 610 1 1 = (1= tool) 9 = (1= tool) 6.6 x 6.9 + 0.4 x 6.03 9 (fot = 1 / cond = 1) 9 1/8 17 9.0 Thus, the probability of having corona is 0.978 80.0x F.0 80.0x (7.0++0x 80.0 he should preplied him to be positive