Boyes Thousan Question A test jor a disease is 99% accurate Ctrue positive role), and the dispose occurs in 1 out 01 1000 people. Your test is positive. What is the probability you ochoery have the disease? con. Placeurole) = 0.99 b(not because) = 0.01 P(0iseose) = 1 = 0.001.. P (Disease / When test is bositive) = P(Discore) & P(Accurate) Ploneose Ja Placework) + (1- Ploneose)) & Plnot Accuracy 0.001 × 0.99 (0.001 ×0.99) + (0.999 × 0.01) 0.09 = 91%

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