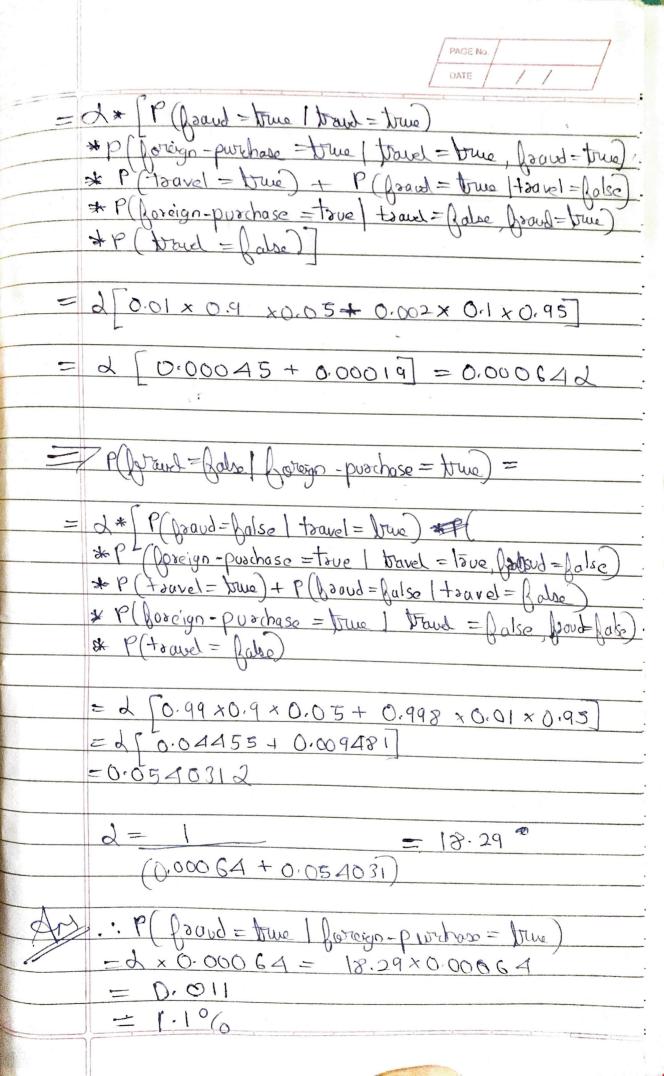
Exercise Orlego Purhas) (Fraud) -> Travel and fraud both can cause parings Travel Daplains foreign purhase and hence is evidence organist front. P(fraid = true | foreign - purhase = true) 



P(frand = frue | foreign - purhase = true todael=true)

= d × 0.000 45

P(frand = false | foreign - prombase = true toanel=true)

= d × 0.04455

d = 1/(0.00043 + 0.04455) d = 22.22

.: P(frand = true) foreign - purchase = true)

.: P(frand = true) = 0.01

.: P(frand = true) foreign - purchase = true | true)
= 1.0%