

· PEO = delected Question is MO. '. P(0) = 400/400 = 9/14 ' F = delected Question is easy P(E 8) = P(Eng) P(EnB) = delicted Question is easy MO Question = 500 · P(F(B) = 5/14 = 5/9 = 0.556 5 Two dice one thrown. (No. of choice) = \$6.06 = 36 ways when two dice are different we are left with = 30 choice Sum of number should 4. S & (311) (1,3) 5 = 2 ways.

Probality of event sum of numbers should be trig = 2 = 30 6 PD = person has disease PND = purson does not have disease P(PD)= 0.11/2 = 0.0001 P(PND) = 1-0.0001 = 0.999 -IVE = Event lest in positive P(fest is the purson has disease) = P(the PD) = 99%-699
P(fest is the purson is not disease) = P(the PND) = 651 = 0.0005
By Bays theorem P(PD/+ve) i e P(purson ling diseased when the list vies allies P(PD)·P(+ve|PD) P(PD). P(+ve/PD) + P(PND). P(+ve/PND) 0.0001 X 0.99 (0.000|x0.99)+(0.999x0.0005) (0.000099)+0.0064995 0.000099 - 0.1654 10.11 0.0005985



