TA Bien Nem

Bai 1.8 -> 1 ot

1.9 - 1 +

1.10 - 7 1 2

 $1.11 \longrightarrow \begin{cases} (a) - 2 & 1 \\ (b) \rightarrow 1 \\ d \end{cases}$

1.12 - 1t

1.13 - 1 1 d

1.14 -> 17

 $1.15 - 3 \begin{cases} (a) - 3 + 1 \\ (b) - 3 + 1 \\ d \end{cases}$

1.16 => {(a) -> 1 d (b) -> 1 d

A = " mach dien lam viec" = " Ca' 3 thirt bi lam viec" $P(A) = P^3 = 0.95 \Rightarrow P = 3\sqrt{0.95} = 0.983 \Rightarrow 2009 50: 1-P = 0.017.$

Bai 1.10 Cho biet q van la dor lap. 6+2-2 Dap 58: P(lam viec) = 1-(0,03) =0,9999992 Bai 1.11 a) $P = \left(\frac{10}{100}\right)^3 = \frac{1}{1000} = 0,001$ $p = \frac{10}{100} \cdot \frac{9}{99} \cdot \frac{8}{98} = 0,00074$ Bai 1.12 P (this can) = P (this can | nam) P (nam) +P (this can | he) P (na) $= \frac{65}{100} \cdot \frac{50}{100} + \frac{53,4}{100} \cdot \frac{50}{100}$ = 0.592Bai 1.13 $P(\overline{ong}|m\overline{u}) = \frac{P(m\overline{u}|\overline{ong})P(\overline{ong})}{P(m\overline{u})}$ P (mu long) = 5%; P(ony) = 50% P(mu) = P(mulong) P(ong) + P(mulba) P(ba) = 5%.50% + 0,25%.50% = 0,026 \Rightarrow P (org | mū) = $\frac{0,05 \cdot 0,5}{0,026} = 0,962$ A = " Ca' hai Cai lay hi hop I bi loi"; C = "Cai lay hi hop I ko b!

B = " Cai lay hi hop I bi loi"; C = "Cai lay hi hop I ko b! => P(A) = P(A|B) P(B) + P(A|C) P(C) $=\frac{C_3^2}{C_9^2}\cdot\frac{1}{10}+\frac{C_2^2}{C_9^2}\cdot\frac{9}{10}=\frac{1}{30}\approx01033$

b+2-3

Bai 1.15 duan toan dung = cotot

a, P(cdd) = P(cdd | benh). P(benh) + P(cdd | kobenh) x P(ko benh)

 $= \frac{90}{100} \cdot \frac{83}{100} + \frac{80}{100} \cdot \frac{17}{100} = 0,883.$

b) P(bens/cdd) = P(cdd/bens) P(bens) P(cdd)

 $=\frac{90\%.83\%}{0,883}=0,846$

Bai 1.16 phé phâm = PP

a, $P(pp) = P(pp|I) \cdot P(I) + P(pp|II) P(II) + P(pp|III) P(III)$

 $= \frac{5}{100} \cdot \frac{40}{100} + \frac{8}{100} \cdot \frac{35}{100} + \frac{4}{100} \cdot \frac{25}{100} = 0,058$

b) P(II/PP) = P(PP/II). P(I) P(PP)

 $=\frac{8\%.35\%}{0,058}=0,483$