Discrete Homework Structures 0 assume you mean third of spade . (Maca 3). 50 45 48 47 1 50 48 48 47 in sixth dray, we calculate the colculate the possibility of POSSIBILITY of that the cord is not the third of spode. we draw is third of spoole-1/52 / Answer is 2 A: The people who discosed. B: The people who got positive P(A)B) = P(A) P(BIA) Theorem Boyes P(B) P(A)= 1/2 = (B1A)9 1/2 (0,96) P(B) = 1.0,36 + 1.0,8 2. (1,04) P(BIA) = 0,96 TO4 /

3 (3) an = 7 an - 12 an - 2 where n > 2 , 90 = 5 9,=18 an - 7an-1 + 12 an-2 = 0 (homoger, second order) 6 1-7+ +12 = 0 (characteristic equation) ΰ an = (1 (4)) + (2 (3)) (1-4).(1-3) Ô 0 \r_2 = 3 (characteristic roots) 17=4 0 V 90 = 4+C2 = 5 1-3 • 3.4 + 2.3 a1 - 401 +301 = 18 うううつううううううううううう C1 = 3 | C1 = 2 (L) 3 x ∈ 7 1 1 ≤ x ≤ 500 and x is divisible by 33 3 XEZ 1 1 EXC 500 and X is divisible by 53 B = > x 62 1 1 6 x 6 500 and x 13 divisible by 8 3 4= 1 ANBOCI = ? = 1 ANBOCI = 1A1+ 1B1+ 1C1- 1ANB1- 1ANC1+ 1BNC1 + 1ANBNC1 = 166 + 100 + 61 - 33 + 20 - 12 + 4 ANB = 5 x 62 1 X4 500 13 DILLIDE W 153 267 Anc = 5x €2+1 xe 500 is divisible by 243 Bnc = 2x € 2+ 1 x ≤ 500 is divisible by 40} Anishe = 7 x Ext 1 x c soo is division by 100)

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