19BEC4001 R. Abbash (008)9-(0)96 (8)9 (9,8)9) h(s): 52(3: 52x51x50: 88,400, 0-5191200 3x2x1. E- even getting theart & 1 diamond & 1 sprade Looy in grangithe os; = 13c, x 13c, x 13c, 021 = A (D) = 13×13×13 =2197 n(s) 88400 6800 2) Action morries = 42-1. -> P(A) P(B): comedy movies: 54% p(c) = drama moniès = 36%. P(d) = Horror movies = 12 1 (a) piterer action or denama P(AUC) = P(A)+PCB) - P(Anc) = 42+36-0 P(AUC) = 18/100

b) either comedy or horror P(BUD) = P(B) + P(D) - P(BOD) = 54+12-0 : 85,400 = 66/100 450 applicants in I hour 1381 × 1381 × 1381 3 FPIG = FP18: (3)4: (3)4 A= 15/2 N=10 p(x2x)= e^{-15/2} - (15/2) 180 00+08 (201) (A) &C- 1-54 : cervan noits A (E) 146 = coman monera - Ca18 P(x:n): e^{-15/2}. (15/2) 1 power and - 0)9 17/ aviabb 00 40400 perfig (20-9846 2)9+(A)8 = (DUA)9 = 42+36-0 00/18/ = (2VA)4

3)
$$\frac{501}{1201} + \frac{701}{1101}$$

$$= \frac{5}{12} + \frac{7}{11}$$

$$= \frac{5}{12} + \frac{7}{11}$$

$$= \frac{5}{12} + \frac{7}{11}$$

$$= \frac{7}{11} = \frac{129}{139} \times \frac{7}{17}$$

$$= \frac{84}{139} = \frac{84}{139}$$

$$= \frac{84}{139} = \frac{12405}{12405}$$

$$= \frac{350870}{12405} + (0.675 \times 12405)$$

$$= \frac{359237.045}{75} = \frac{359237.045}{12405}$$