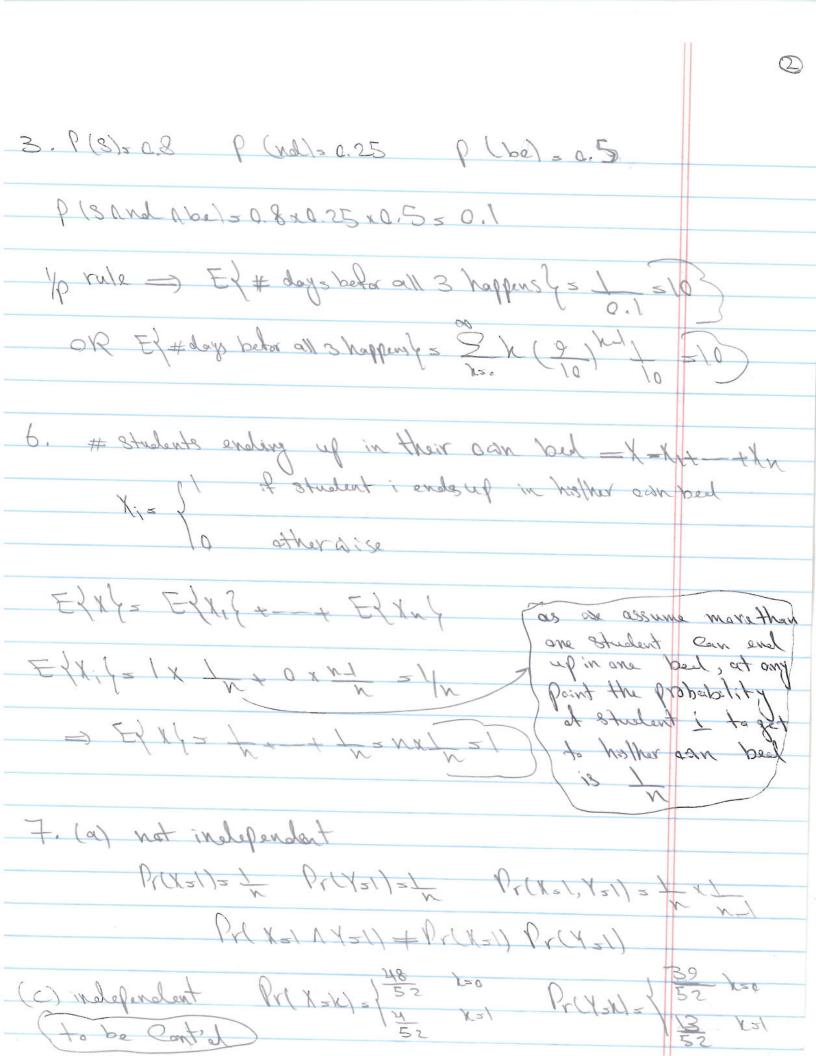
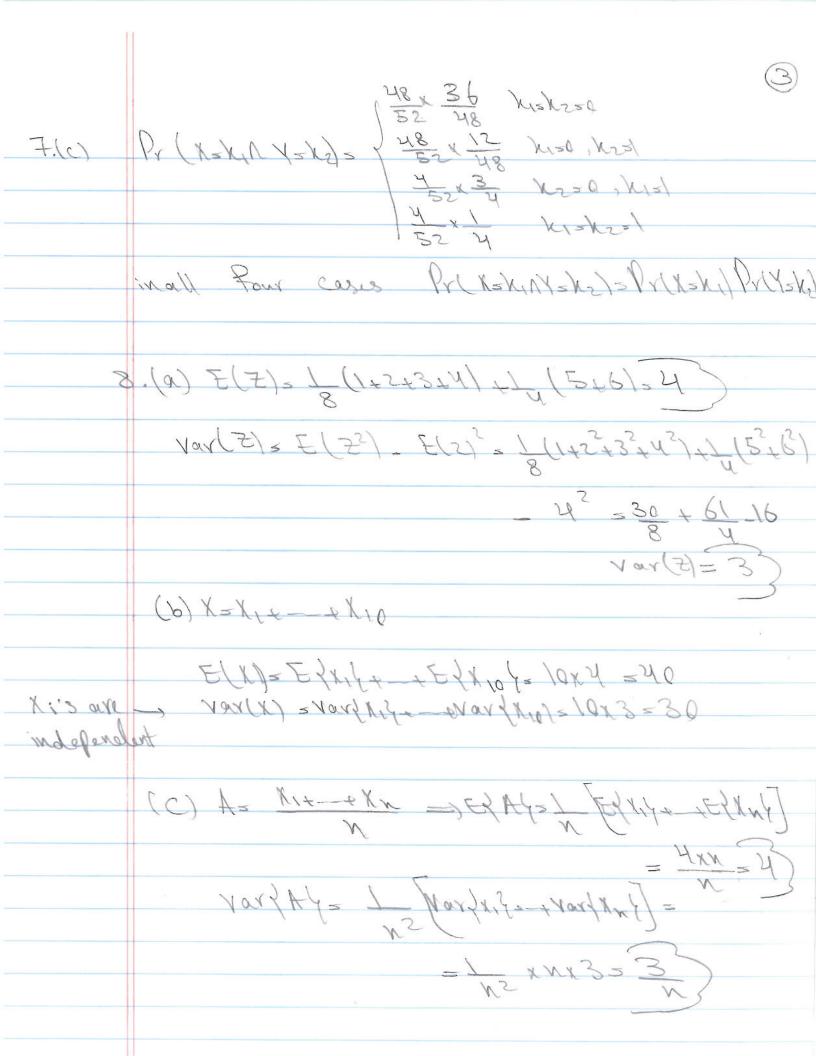
* Charleta : 1. Pr(X=X)=Pr(min(X10/2)=X)= Pr(Kish, X2) K U X25K, X/7K) = Pr (Kish, X2)K) Pr (Krsk, Kirk) -Pr/ Kisk, Krsk) = 1 x 1x-71 + 1/6 1x-71 = 2/x-7 OR brote force (Pr(X=1) = Pr(X=1 U X25/2 U X2=2 1/X/12) = 34 = 1/2 Pr (x=3)=Pr(x=3 Nx2x3)V(x2=3 Nx1x3))=6x4x2 136
Pr (x=1)=6x3x2 136 36
Pr(x=5)=6x2x2 136 36
Pr(x=5)=7x4x=676 36 36 X= expected number of valls until Six is seen = 1 + 5 EXX => EXX = 6





expected # of toos befor the fort toil (head E/X= 1+ E/Y = 1+ = 3 or tail (x: tao heads / tails) EXXY = Pollinst to as shed EXX Pirst headly + Pr (first took tail) E& M Efrits 1/2 (1+ Efrest healy) 1+ E + 1/2 /1+ Efrest tail) 1/2/1prole = 1/5 (1+ /1) + /5 (1+ /1) =3