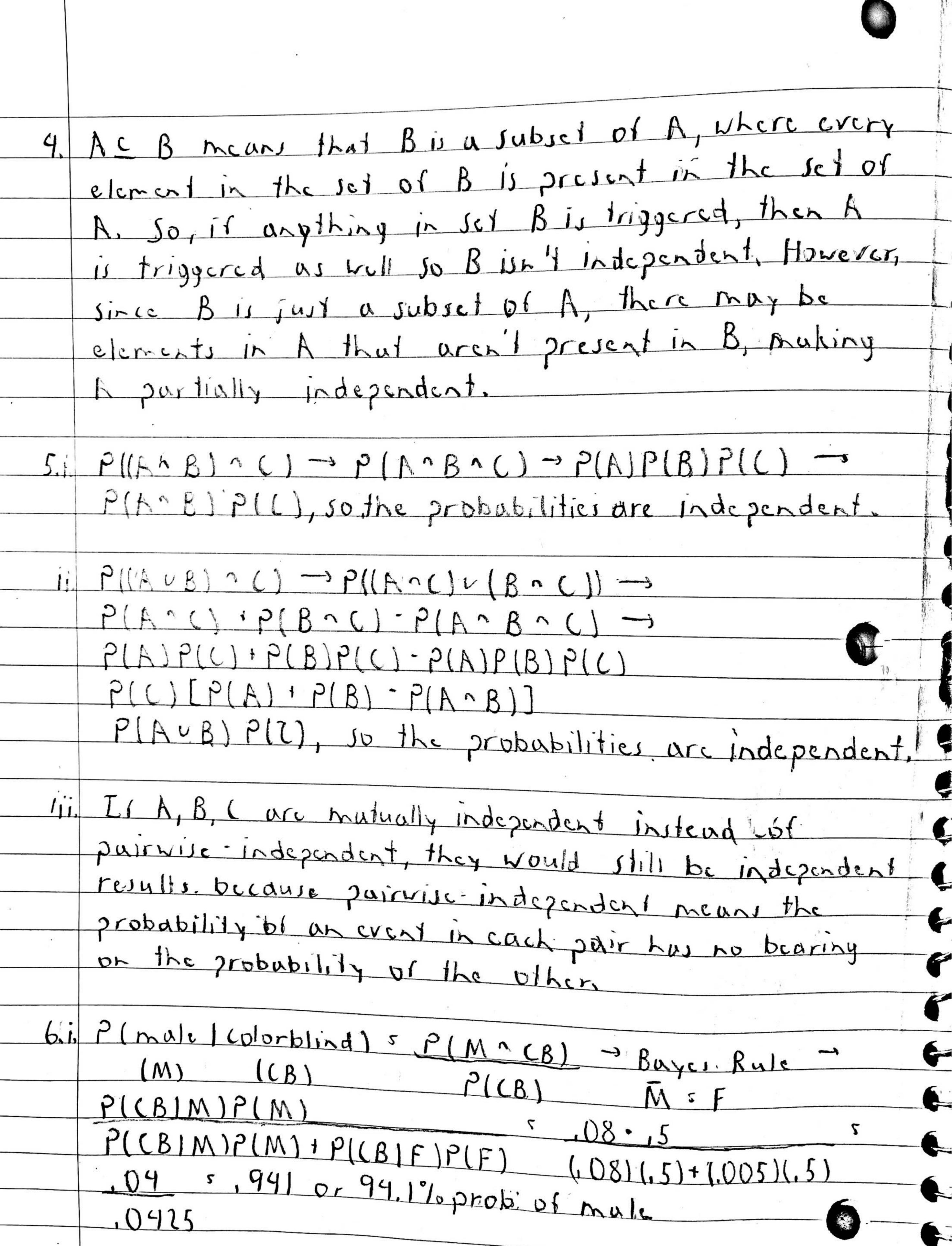
Assignment 4 20 gloves total, 10 matching pairs mixed. When I pull I glove, there's only one left but of all the remaining that matches. So do reverse and which probability Uster picking first that next. Chosen doesn't match, soi - 7895 5, 2105 or 21.05% probability of a match 2 match in 56 from (:-,)
5 tries 1 match in 46 from (5) but only 2 needed so: 56.55 5 56.55 5 1 5 3 for 2 matches 11 match in 46) 5 3 There is a 3,592 (or . 085.10) chance of winning the S10, which is a slightly worse probability of 844 (or 19%) they tell you. The odds against Linning this way is 3,539 (or 99,925%). No. Mutually exclusive means that A and B can't happen at the same time. Independent means the probability of A hazzening docin's affect the probability or B and vice versa, them being independents means there's no ties between them However, for A and B to be mutually exclusive, when one event is happening the other lan't be happening, meaning these events are tied to each other. So no, A and B can't be both mutually exclusive and independent.



II It twice as many males than females, then P(M) 5.667

and P(F): 1333. Same formula, so:

P((BIM)P(M): P(CB[F)P(F) (.08)(.667): (.005)(.333)

P((BIM)P(M): P(CB[F)P(F) (.08)(.667): (.005)(.333)

.05336 5.9697 = 96.97% prob of male in the constant of the