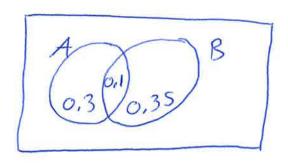
- 1. DE ANTING A RAMBOM CARD OUT OF A STANDARD

 DECK, WHAT IS THE PROBABILITY THAT IT'S A RED

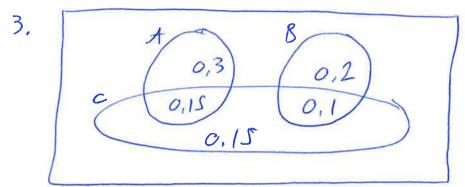
 CARD BETWEEN 3 AND 10?
- 2. (a) DRAW THE VENN DIAGRAM FOR THIS TWO-WAY TABLE, (COMPLETE THE TABLE PINST)

 A 0.1 0.4

 0.5 1
 - (b) DRAW THE TWO-WAY TABLE FOR THIS VENN DILADRAM.



WHAT IS P (AUB)?



- (a) ARE A AND B DISJUDIT? ARE THEY INDEPENDENT?
- (b) CALCULATE P(AIB), P(BIC), P(CIB).
- (C) DRAW THE TREE DIAGRAM FOR A AND C, ANDUSE IT TO CALCULATE THE 4 IMERSECTION PROBABILITIES.
- 4. A DRUGTEST HAS 0.96 CHANCE OF POSITIVE RESULT IF THE DRUG IS
 PRESENT IN THE BODY AND 0.93 CHANCE OF NECHTIVE RESULT IF
 THE DRUG IS NOT PRESENT. THE PROBABILITY OF THE DRUG BETNE
 PRESENT IN A RAMOUN ATTHETE IS 0.007, GIVENA POSITIVE
 TEST RESULT, WHAT IS THE PROBABILITY THAT THE DRUG IS PRESENT?