Honework Tenislen Zblonen AUBUC = (AUB)U(C) gince A.B.c = p, ne con sony that (i) A, B, C are mutually exclusive (ii) there is an mutually exclusive set from two others (it could be either A, Borc). (A) B) = 0°

A'UB' = U (Vis a complement g 0) thus me may assume, that AUBUC = 00 - U since (AUBUC) = AnBre = Ø => Ø = AUBUC · W = SL for $P(A \cup B \cup C \mid A) = P((A \cup B \cup C) \cdot A) = P(V2 \cdot A)$ P(A) P(A)P(A) = 1 (since & sina = A) : thus pravila) = 9 PAR find P(AnB) = 3 => P(AgB) = /12 P(Anb) let/PIBY=X/=> P(A)+P(B)-/P(A)·P(B) PART - PLABY = · P(A)= 3 · P(BIA) = 3 = SAPTAN =>P(BIA)=号 $P(A) = \frac{1}{u}$ P(BA) = P(A·B) >> Ay low of total Propobility >> P(AB) = P(B |A).P(A) = 3-4=