Find the sulgiberar product AXB. defer on Extension poinciple Oher domain using rundenation (zadehs) 2x6= formores 18 21 = 1x1 1x2 2x1 2x2 4x1 2x6= min(0.60.8) + min(0.6,1) + --+ min (0.8,1) + min(0.8,0.7)} Entensias peinciple. using max-min composition (zadits) = 5016 + 016 + 0.6 + 0.8 + 1 + 0.71 0.8 S(AB) = AXB={min(0.2,0.5) + max/min(0.2,1); + man[nin (0.7,0.5) nin (1,1)] + min (0.7,1) (it is normal purpout cot = \(\oldots \) + \(\man(\oldots \) + \(\oldots \) + \(\old Frezzy no is always a convex & normal fuzzy C={0.2 + 0.5 + 0.7} de A & B be fuggy set defor on its own ednerim. A= { 0.2 +1 2 0.7 } B- 3 0.51 + 1 24

Unit-2. Egl. E is S and AF is M Theory of appoint Reasoning (Tompound purposition) E - Jews connected by legical & Fuzzy to --- this statements S -> Small Operators) Eg of hot dimate other ! Sow on air conditioner DE - change in ever If mover speed how then increase applied of M -> Medium. 2. If E is S and DE ism then V is S? scale antecedent out consequent V > Utg. Compound perposting If this involves him speciation (is AND special) of Informe sucles entistica returned a present of column of ter + Fuggy if --- then --- else Generalised 9 modus porcers Eg of hot climate then Shis on air anditioner? else of air anditioner If meller speed how then incusive applied the Rue Compositional alse maintain applied Ity. (2 anteredent & 2 consequents) Eg Aus B. ? Juggy perforition * Fuzzy perspesitions compare B > Juggy set basis on its perspectly The value of the reservoir is regative small Inotationally - Eis NS (Simple) Tomateo is med by Fuzzy peup verting The tomato is seed compler er & Tomato is used then domate is supe Simple Compound A is G. of A is B then A is c.

Bac are fuzzy sets. A is Object Inference. appears that you wring compositional and of influence 2 The ternato is very ned . - such ! zadelis .-- numdari ~ most commany used (min operating : tonato is very supe Zadlels implication & min (min (May 4 (4)) + MA) man (min (HA(N) LIALY) , 1- HA(N)) & Enference using compositional cute 2 A is B then A is C Ib - then - and operation puryy set B & fuzzy set C Bnc - velation Influence is drawn mathematically using endation materias, sperations on fuggy sits & the beneficed ext at made createdown & generalised realis powers we don't need mothematical Compartection Eg For is Guthers A is a for white a lookuptable It is resist commercy used, very simple forth