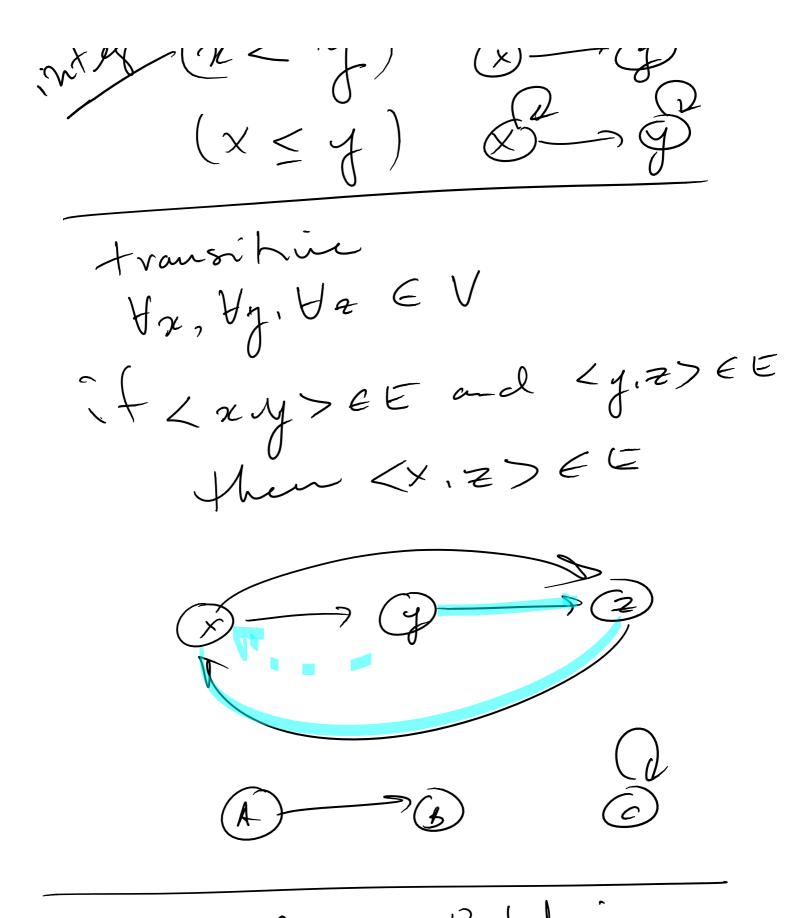
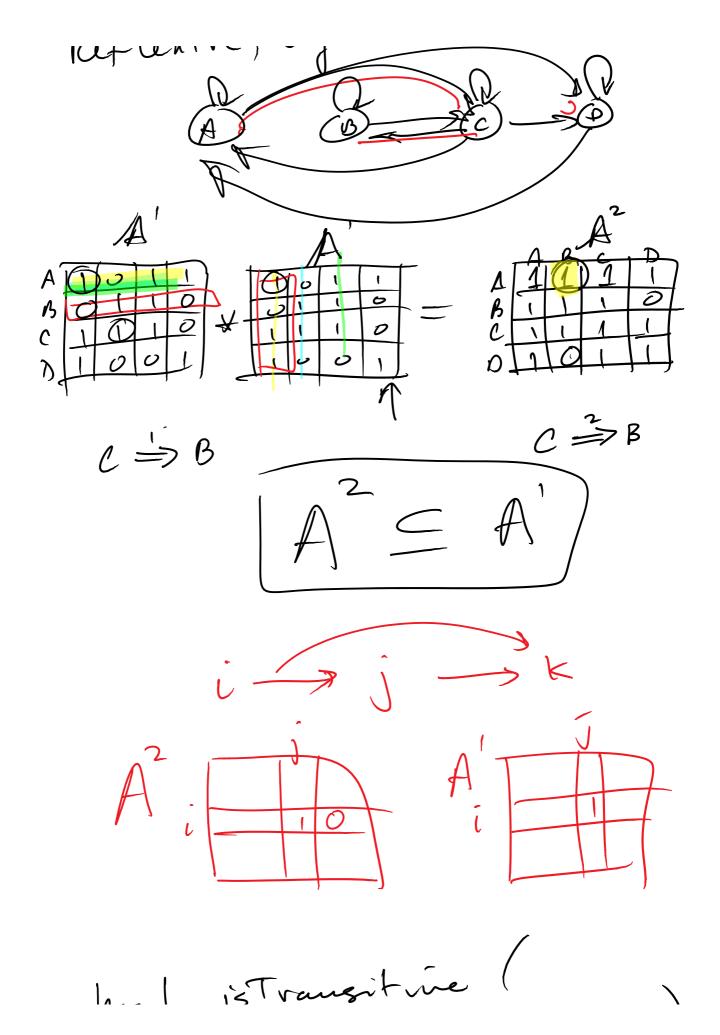
More Exam 2 in-dass Monday Nov 17th Irreflexere Reflexive Signmet n c Asymetre DG= < いし Antisymmetric Yx & V and Yy & V if <xy> E Hu <y,x> &E unles X==4 $\chi \chi \chi \chi (\chi < \chi)$



Equivalence Relation

Reflexive, Symmetric, Transitive A = = BPartial Order Anti-symmetric, transitive XST Weak - reflexive p. [lave, Symmetric



vector < vector < voci) bool ok = + rue', for (n'ut i= o', i × adj. sizel); it) for ('int j=0', j< adj. size(); jt) for (int k = 0', k < all spech; kt) it (Adj [i][j] L& AGj [[i]]

ok 12 = Adj [i][K]; retur ok; Strong Components (Strongly connected components)

Aprile Seguree of vertices

V, Vz V3 --- Vn such that

(Vi, Vj) E E for i, j = 1, z, --- N

and Vi & Vj except for

V, = = Vn

A strongly connect compount in G = 2V, E > is a maximal set of vertices in V such that for all x, y & V x to y and y to x path of laugth 1 or more

DES + CEE

