QL(A) (a) for R to be reflexive, (9, a) ER Y aca EA : (3,3), (4,4) went evic in K, it is not Refunite (b) Since (1,1), (2,2) are present in K, it is not es uneflowing for all & all (9,5).

(c) For R to be symmetric, (a,b) ER and (b,a) ER

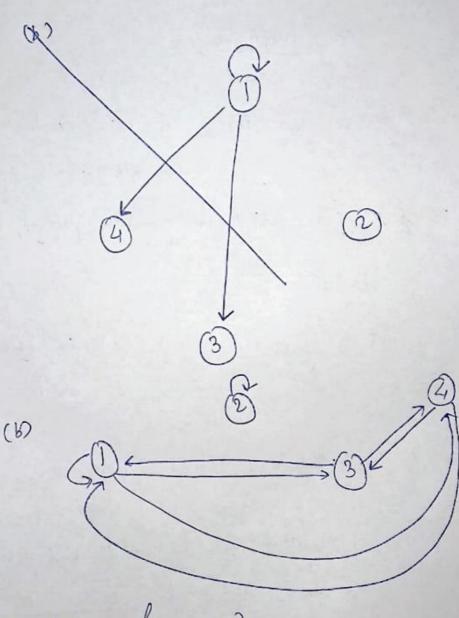
: & All pairs howe their symmetric present, R is Symmetric

(d) It is not antisymmetric as (a,b) ER, (b,a) ER &

(e) For R its be transitive, aRb, bRc, then aRc

(1,3) enits & (3,1) enists but (3,3) doesn't thus, its not Transitive

01.(B). (a) Me. 1 1 0 1 1 7 2 5 4



(1) Dom (R) = {1,2,3,4} Range (R) = {1,2,3,4} Reflivirevity: aka, 4 a

This is not true as al

Symmetry: for all (a

Transitive: for akb,
should a

an eguvalune to

Refleriverity: aka, 4 a EA. This is not true as all enite enich.

Symmetry: for all (a,b) ER, (b,a) Le also.

Nowsitive: for akb, broc, thus are should onits too.

All 3 are true thus Relation R is an equivalence Relation.