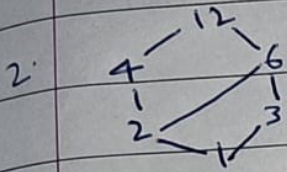


TFCS

KANISHK BHAT 20103233-BS

Tut:-3

1. Already done



3. (A). $(1,1) (1,3) (2,2) (3,1) \neq (3,3)$
 (B). $(1,2) (2,2) \neq (3,2)$
 (C). $(1,1) (1,2) (1,3) (2,1) (2,3) (3,1), (3,2) \neq (3,3)$

4. $\{ (a,b) (a,c), (b,c), (c,b) \}$

5. (A). Equivalence relation.

(B). Not equivalence relation (not reflexive)

(C). Not equivalence (Non reflexive \neq Non transitive)

(D). Not equivalence (Not transitive)

(E). Equivalence Relation.