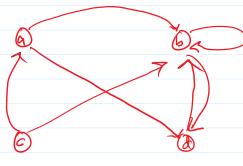
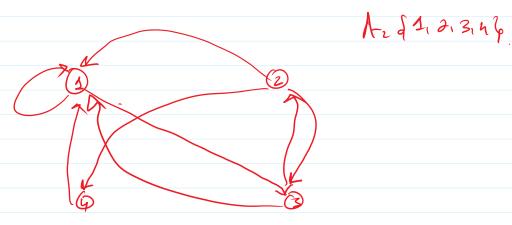
Lecture 16. REPRESENTING RELATIONS. GRAPHS!- Vertices O Z Syntax.
Edges (Arcs. -> 5 Set of Vertices. 2 Symantics. Set of Vutices = Salbic, de.
u u y = S(ab), (a,d), (b,b), (b,d), (C,0), (db). Ex7 -479.



REPRESENTING RELATIONS WING GRAPHS 186 :-Set of Vertices 2 SET OM WHICH RELATION Refined. V 2 A SET of Edges 2 R

€2 {(1,1), (1,3), (2,1), (2,3), (2,4), (3,1), (3,2), (4,))}



7 3 Equivelent forms of felations. 7 Relation in Set - u u Matrix. - a u Garaph.
REPLEXIVE. Ya EA (a, a) ER.
Andala,
Cop. Azd I.
G x Azáak,
Symmetric : Vail EA (aib) ER > (bia) ER.
Anti Symmetric. Paro EA of (arb) ER N(bra) ER 7 azb



Transitive: Haisic EA M (ail) ER MUIDER, and ER,

