lecture 15:- checking properties Structure

of Pelatinu.

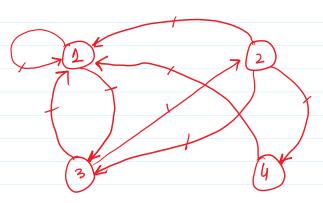
— When relation is in

Matrix from. Structure - Scts - Matrices - Graphs - Trues. Trie RIARZ RURZ. Max Stack Stade Quere Peroxity. Linkligt -1 Circular larle duly like ha) MRIARZ 2 0 0 0 By taking Conjunction. MRORL 2 Hr. By taking dizjundion. Composite of a felation: felations in Matrix. R (a,b) AKB S (b,c) BKC. Note: 1/1 - Then
of logic -> is
diff fromif cle of Code. (a,c) & SOR if F (a,b) ERA (b,c) & S. $M_{R} = [\gamma_{ij}]$ $M_{S} = [S_{ij}]$ $M_{S_{0}R} = [t_{ij}]$ - tj = 1. B Jk Vik = Skj = 1. for Same le. $\frac{1}{478}$ $\frac{1}{1}$ $\frac{$

$$\frac{1}{148} = \frac{1}{148} = \frac{1}$$

Ex8 :-P480

R2 S (2,2), (2,3), (2,1), (2,3), (2,4), (3,2), (3,2), (4,1). Az & 12,3,48.



and R-1 Graph. HW.

P = { (bia) / (a,b) EP}.

R = { (a,b) | (a,b) &P| 2 AxA - R.

Properties of Relation. in Geraph.

) Réflérive ta EA (a, a) ER.

EX:



X.







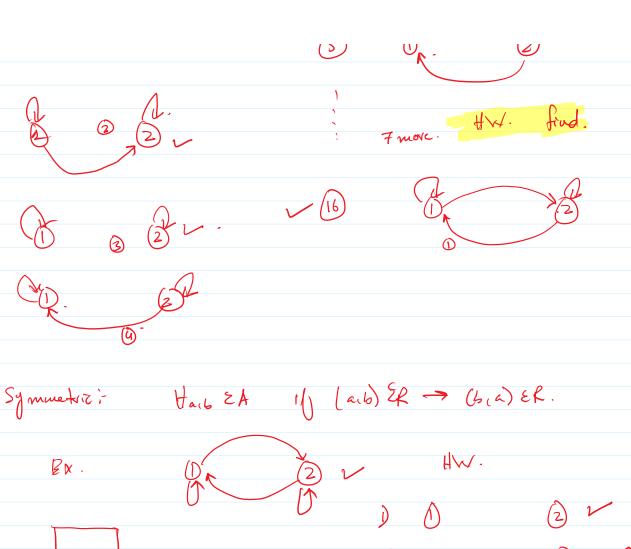
(2) ·

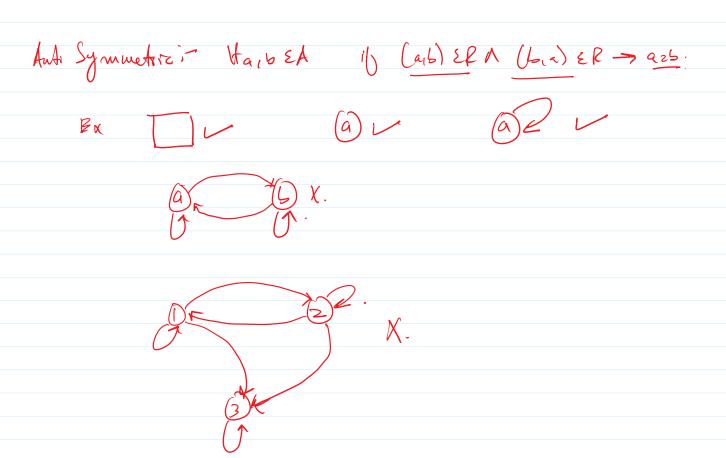












Quit #8 14- OCT- 2022.

A= & Z. Find Graphs of all Relations on A which are.

1- Reflexive. 2- Symmetriz. 3- Anti Symmetriz.

