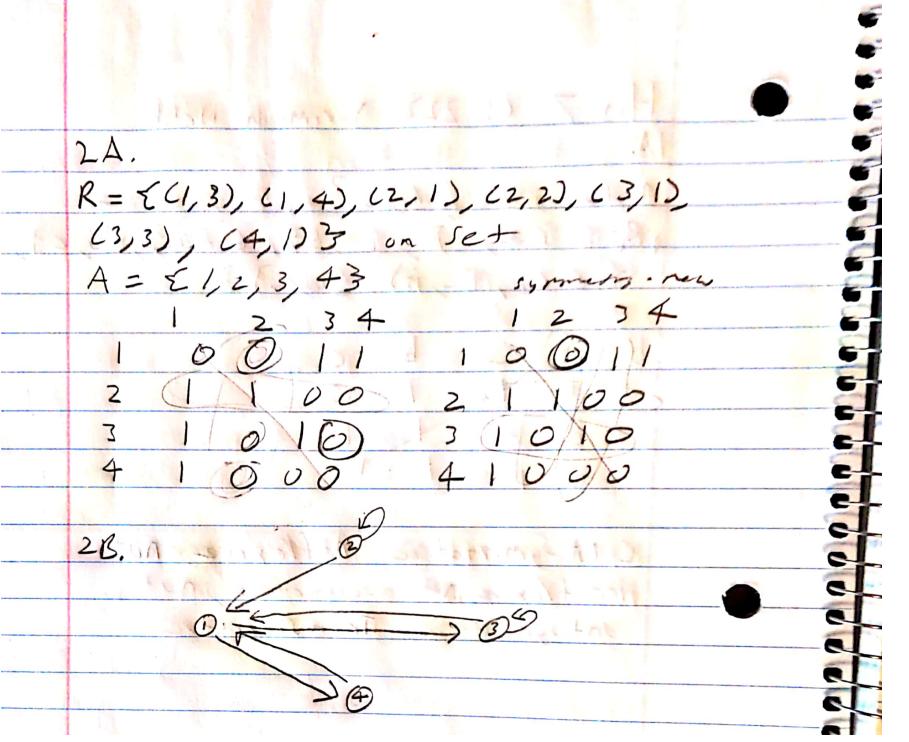
Hw 7 (5 222 Jeremiah webb nodes =  $\{a, b, c^{3}\}$   $AR=\{(a, a), (a, b), (b, b), (b, c),$  (c, c), (c, b), (c, a).C. Not Symmetric, reflexive, not irreflexive, not asymmetric, not antisymmetric, Transitive



2c. Reflexive closure  $\{(1,3), (1,4), (2,1), (2,1), (2,3), (4,1), (1,4), (2,1), (2,1), (2,3), (4,1), (1,1), (4,4) \}$ 2D. Symmetric closure  $\{(1,3), (1,4), (2,1), (2,2), (3,1), (2,3), (4,1), (1,2) \}$ 2E.  $\{(4,3), (4,1), (4,3), (2,1), (2,2), (3,1), (2,2), (3,1), (3,3), (4,1), (4,3), (2,4) \}$