of Functions Relations

defined over A, B

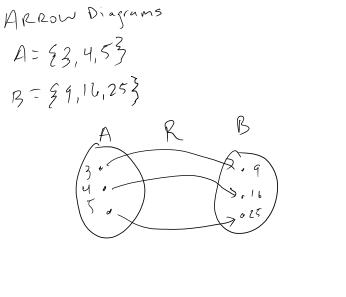
R S AXB

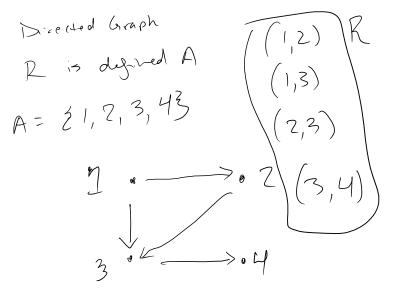
R = 2(a,b) | a + A, b + B}

R defined over AXB [a,b] $[a,b] \in R$ Se+ no tation infix notivition let R be arelation, REZXZ

if R is defined a sel A RC AYA A= {3,4,53 $S = \{(a,b) \mid \alpha \in A, b \neq B, b = \alpha^2 \}$

B= 29,16,253, B2: \$363UB.



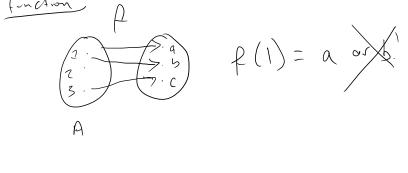


Reflexivity of a celution if R is defined over A and Ris Reflexive ala Y n & A

Symmetry Ris synmetric A relation arb, tun

Transidivily Jansilive arb, bre Yalb, c

Functions B) A, Bare sets Va eA, Fla) + B.



 $f(y) = \hat{y} a, \quad x = y = 1.$

Surjective fination Svije ctore onto A foretron that is surjective

injective