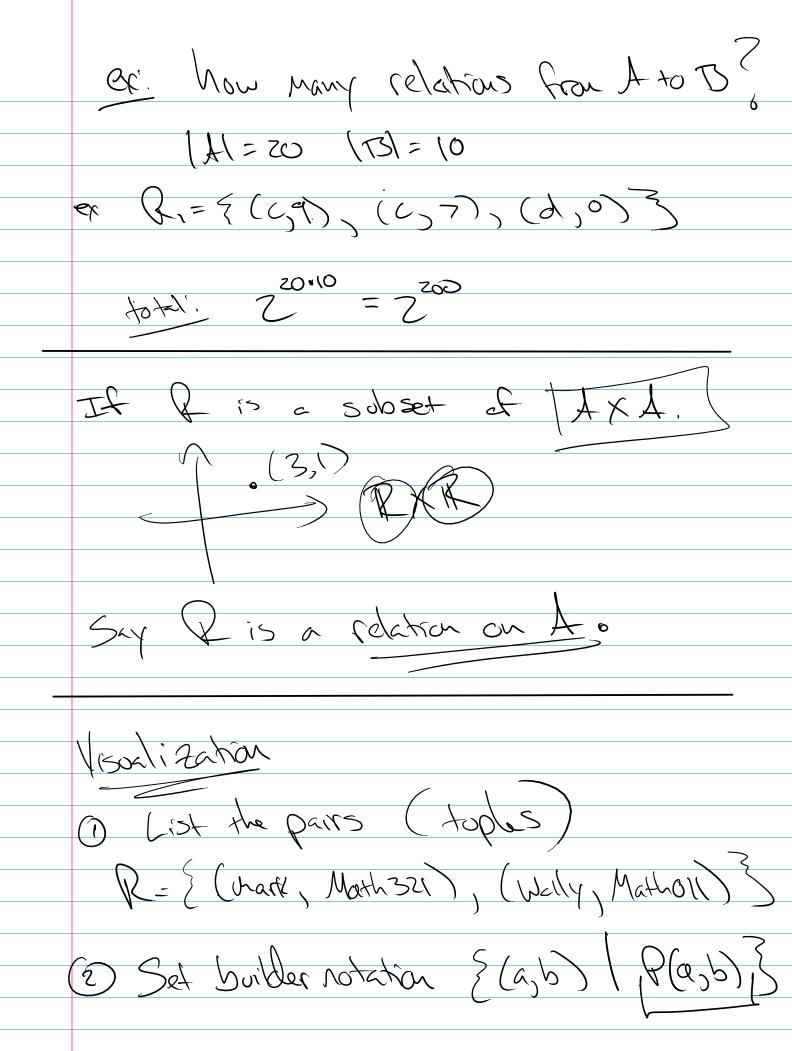
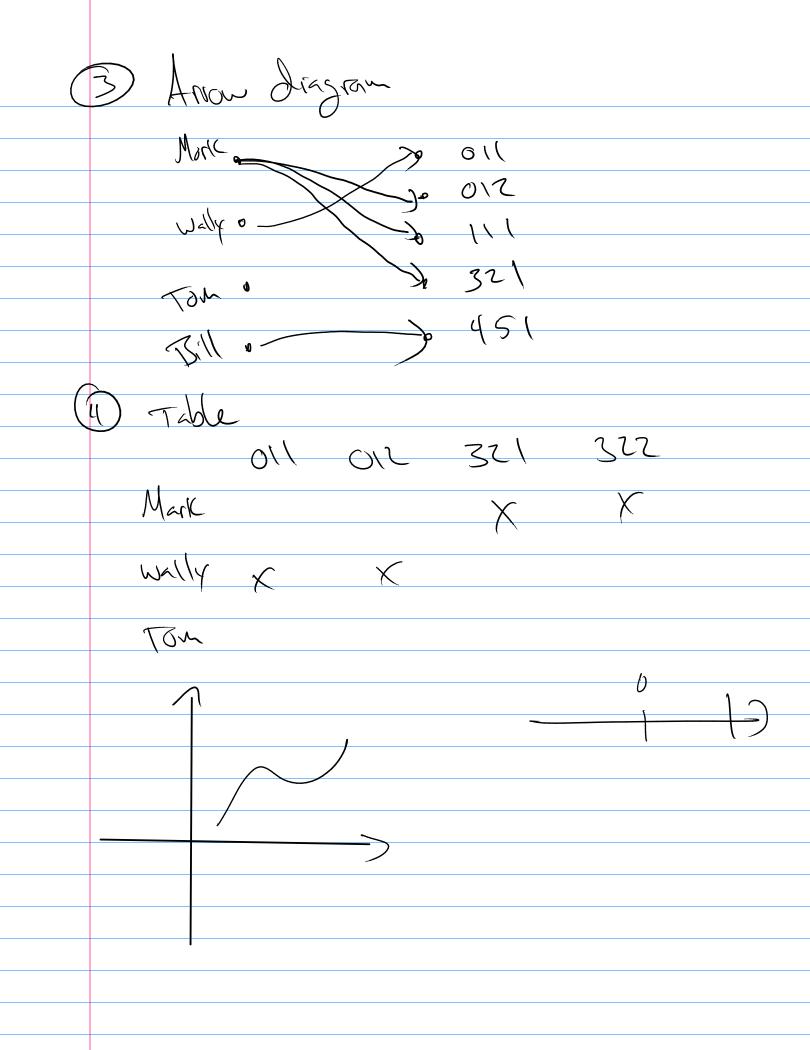
Mash 322 Kelchiors FRisa Subset of AXB it is a bunary relation or just relation Notation. (a) OCR aRS (a,b) &R a & b Note: It I is a Subset of AXB... you many possible relations grethere? Revenuer P(S) = set at all subsets -> Find (P(S)) = 2.2...2 = 2151 5 = { Si, Sz, .., 5 n}

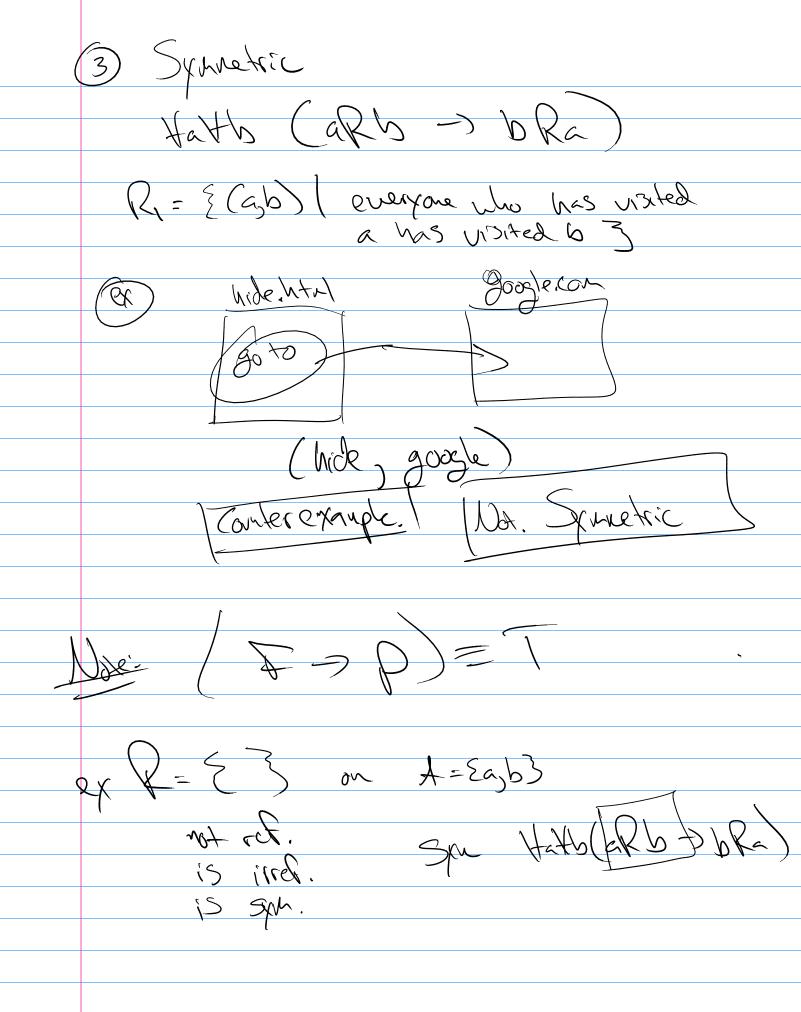
Ans: 2 = 2



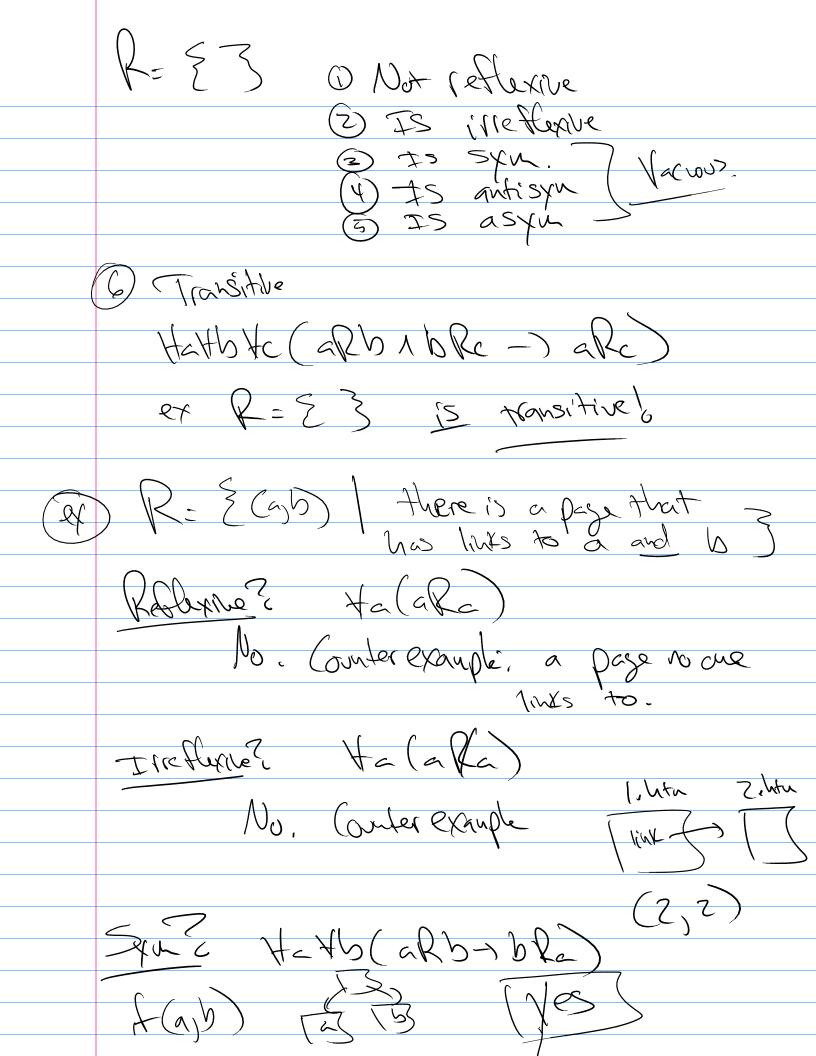


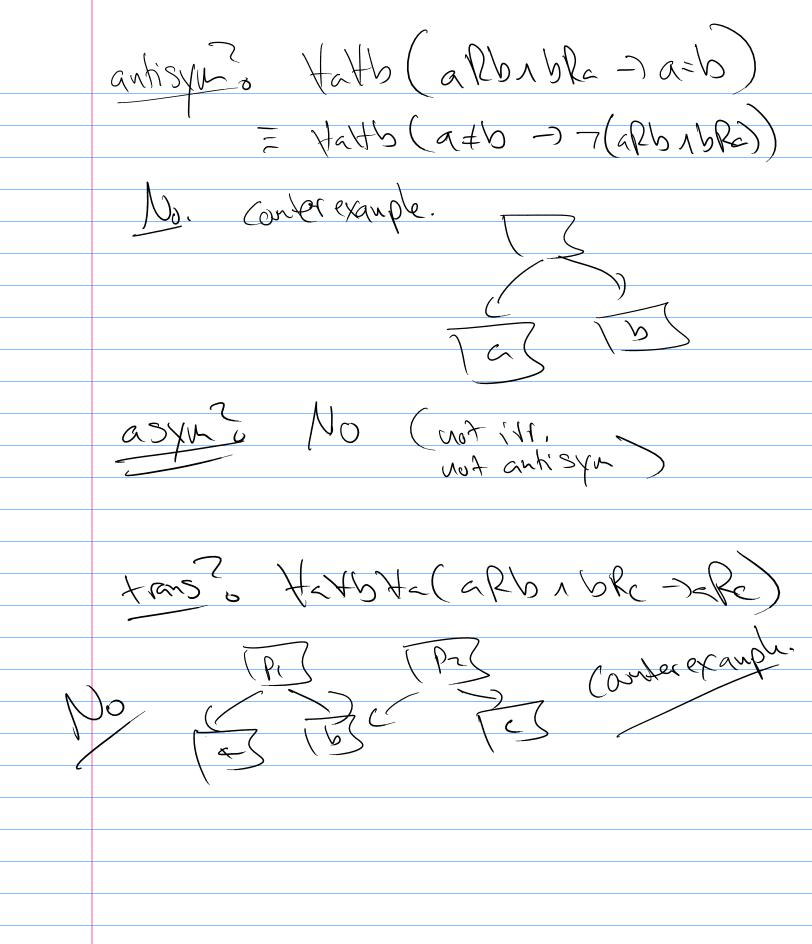
Fuctori. F: A-) B obvious F C Relations. Type Ra relation on Set A (It = N)
there are Z = Z Notation Dif ta (aRa) (asb) the alb L'is reflexive. ex. A is set at all web feyes. R= {(ab) | everyone who has visited a has visited 6 3 Perhave: Ha (aRq) = T? ex for all webpages a, everyone who Tyue has visited a has visited a. Tyue Pr = 7 (a,b) / a and b have a connon link 3

Ha (alza) for all webpages as a and a < SO Rzis not reflexive 2) ta (afa) metherire. 2, Not illestable. A= {a,b} UC (a,a) there we will the source.



@ AntiSyrvetric tato (aRb 10Pa -> a=b) tath (afb -> [akb v bka]) Hatb (atb -> 7 (aRbible) fri (7P X9) ()->4)= (=7(p/79) talls of albroker a = b ZaZh (alb Abla A atb asympetric ! inflexive and antisym.





Jule! R is a Sel. all set ops apply to (0, 1)· plus conpositions