CS 143 HW 1

$$S-R = [(2,5,4)]$$

$$R-S = [(4,5,6),(1,2,6)]$$

$$(R-S) \cup (S-R) = [(4,5,6),(1,2,6),(2,5,4)]$$

2) 
$$R \bowtie R.A. < S.C. \land R.B. < S.D. S = [(1, 2, 2, 4, 6), (1, 2, 2, 4, 6), (3, 4, 2, 4, 6), (3, 4, 2, 4, 6), (3, 4, 2, 5, 9)]$$

5) The strong of Account M Account customer-name = 12. Enterior name 1

Account branch-name != f-brand-name [ R (Customer M Branch ) ]

= Branch city

= Branch city

7 brench-hame -name = regionis Cu shower make ? CArcant) · A. Cushoner-none = Az. wshomer-name A, branch-name ! = Az. branch-name (branch-nave, contoner-name) Mbmach-name (Obmach-name ="los angeles" Branch.

Division in relational Algebra bees the opposite cross product whome in 12 +5 15 15 93 This is similar to integer division that he opposite of multiplecation whe . Ris divided into Ssets and 14s is a subset of R. A