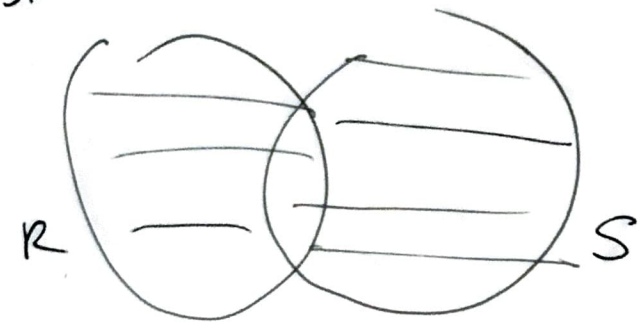
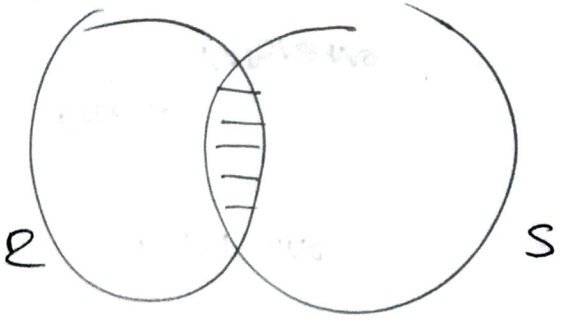
SET OPERATION

UNION



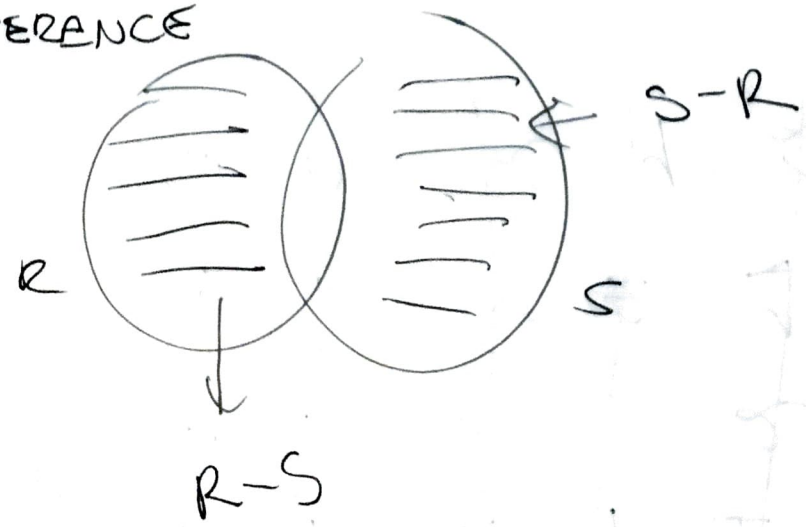
R U S

INTERSECTION



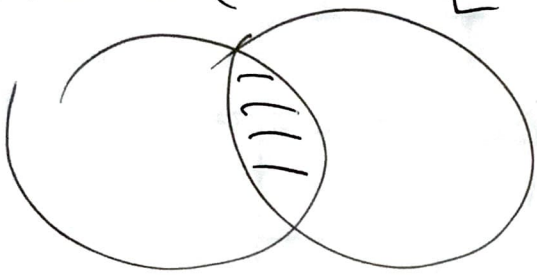
R ∩ S

DIFFERENCE

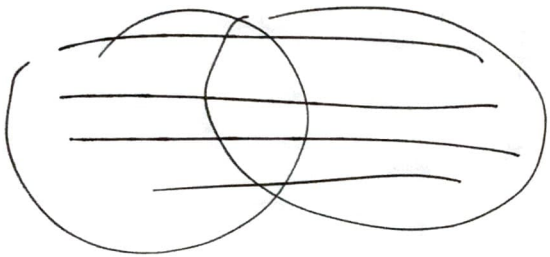


SET OPERATIONS

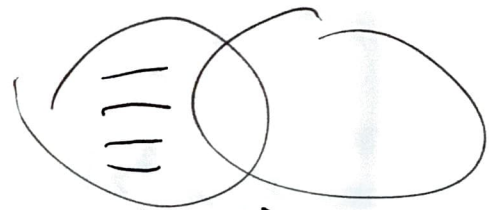
$$R \cap S = (R \cup S) - [(S-R) \cup (R-S)]$$



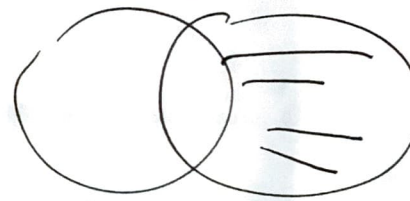
$R \cup S$



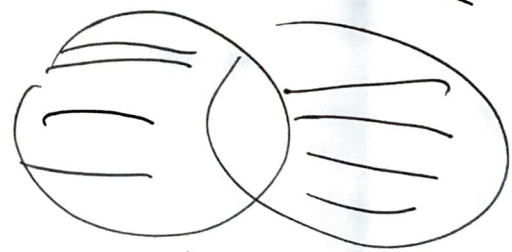
$R-S$



$\cup$

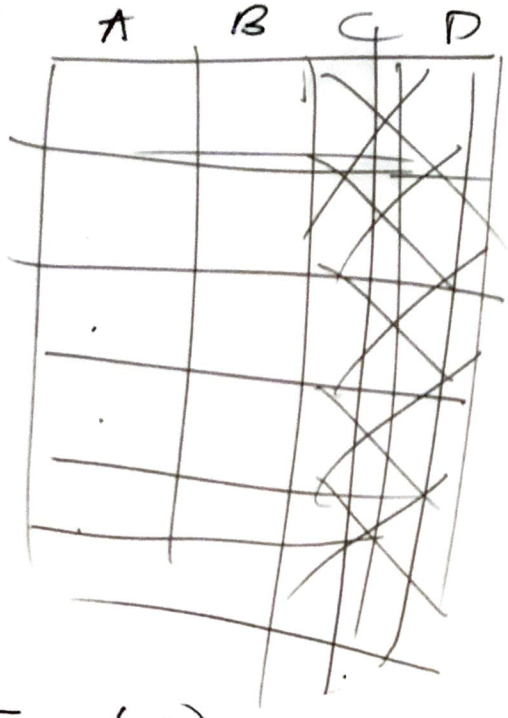


$S-R$



$(R-S) \cup (S-R)$

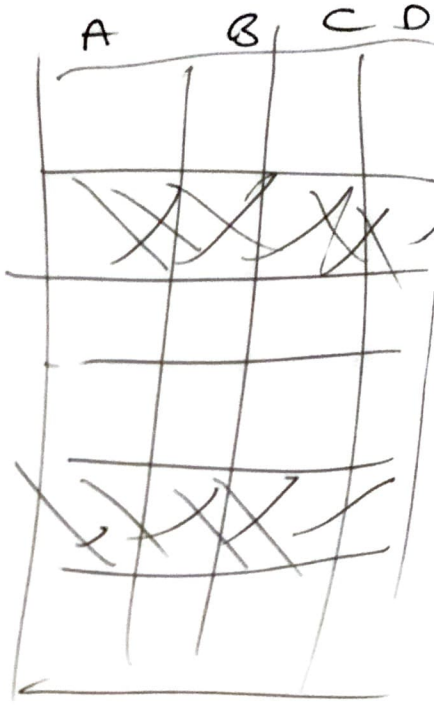
R



$\Pi_{A,B}(R)$

PROJECT

R



$\sigma_{C}(R)$

SELECT

R

A	B
a_1	b_1
a_2	b_2
a_3	b_3

S

C	D
c_1	d_1
c_2	d_2

R x S

A	B	C	D
a_1	b_1	c_1	d_1
a_1	b_1	c_2	d_2
a_2	b_2	c_1	d_1
a_2	b_2	c_2	d_2
a_3	b_3	c_2	d_2
a_3	b_3	c_3	d_3