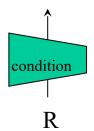
# Algèbre relationnelle

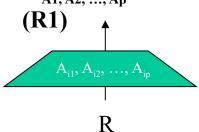
#### La restriction

 $\sigma_{\text{ condition}}$  ( R )



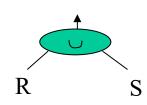
# La projection

 $\pi_{A1,A2,...,Ap}$ 



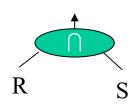
#### L'union

 $R \cup S$ 



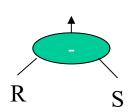
#### L'intersection

 $R \cap S$ 



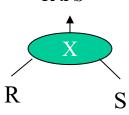
#### La différence

R - S



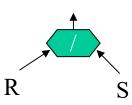
# Le produit cartésien

R x S



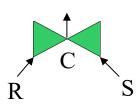
#### La division

R/S



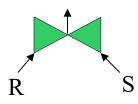
# La jointure

 $R \triangleright \triangleleft_{\mathsf{C}} S$ 



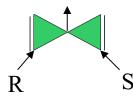
# La jointure naturelle

 $R \triangleright \triangleleft S$ 



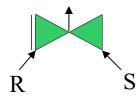
# La jointure complète

 $R \triangleright \triangleleft S$ 



# La jointure à gauche

 $R \bowtie S$ 



# La jointure à droite

 $R \triangleright \triangleleft | S$ 

