

# Fundamental Operators

Let **r** and **s** be relations with **schemas R and S**

union	$r \cup s = \{ t \mid t \in r \vee t \in s \}$
difference	$r - s = \{ t \mid t \in r \wedge t \notin s \}$
cartesian_product	$r \times s = \{ t \mid t = t_r t_s \text{ where } t_r \in r \wedge t_s \in s \}$
selection	$\sigma_p(r)$
projection	$\pi_A(r)$