

Pablo Barrojo Mejías 2º A FBD

Álgebra relacional.

$$a) \pi_{\text{nombre}} (\sigma_{\text{provincia} = \text{'barcelona'}} (\text{alumnos})) \cup \pi_{\text{nombre}} (\sigma_{\text{provincia} = \text{'almería'}} (\text{alumnos}))$$

$$b) \pi_{\text{ope1}, \text{ope2}, \text{nombre}} (\sigma_{\text{DNI}} (\text{Alumnos}) \cap \pi_{\text{DNI}} (\sigma_{\text{curso} = 1} (\text{asigna} \bowtie \text{materia}))) \\ \cup \pi_{\text{DNI}} (\sigma_{\text{curso} = 2} (\text{asigna} \bowtie \text{materia})).$$

$$c) \pi_{\text{asignatura}} (\sigma_{\text{cred} > 6} (\text{asigna})) \text{ AND } (\pi_{\text{codasignatura}} (\sigma_{\text{curso-academico} = \text{'2014-2015'}} (\text{materia}))).$$

$$e) \pi_{\text{dni}, \text{ope1}, \text{ope2}, \text{nombre}} (\sigma_{\text{nota} \geq 4} (\text{alumnos})) \cap (\pi_{\text{max(nota)}} (\text{alumnos}))$$