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Autoestudi Optimització

- Project (pno, name, head, budget, city)
  - ↳ P1 = $\sigma_{budget < 100000}$ (Project)
  - ↳ P2 = $\sigma_{100000 \leq budget \leq 500000}$ (Project)
  - ↳ P3 = $\sigma_{budget > 500000}$ (Project)
- Query: SELECT * FROM PROJECT WHERE budget > 90000 and budget < 200000

  $Q := \sigma_{90000 < B < 200000}$ (P)
- Query escrita en termes de fragments (data allocation):

  $Q' := \sigma_{90000 < B < 200000}$ (P1 ∪ P2 ∪ P3)
- Reduction phase:

  $Q' := \sigma_{90000 < B < 200000}$ (P1) ∪ $\sigma_{90000 < B < 200000}$ (P2) ∪ $\sigma_{90000 < B < 200000}$ (P3)

  $Q' := \sigma_{90000 < B < 200000}$ ($\sigma_{B < 100000}$ (P)) ∪ $\sigma_{90000 < B < 200000}$ ($\sigma_{100000 \leq B \leq 500000}$ (P)) ∪ $\sigma_{90000 < B < 200000}$ ($\sigma_{B > 500000}$ (P))

  $Q' := \sigma_{90000 < B < 100000}$ (P) ∪ $\sigma_{100000 \leq B < 200000}$ (P)

  $Q' := \sigma_{90000 < B < 100000}$ (P1) ∪ $\sigma_{100000 \leq B < 200000}$ (P2)