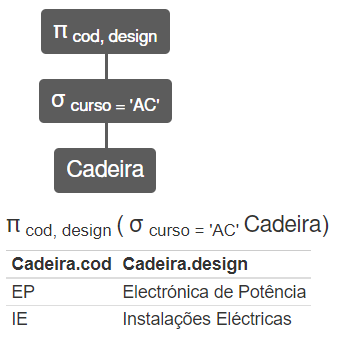
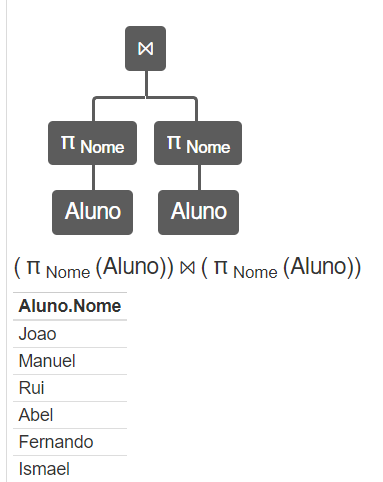
**Álgebra Relacional**

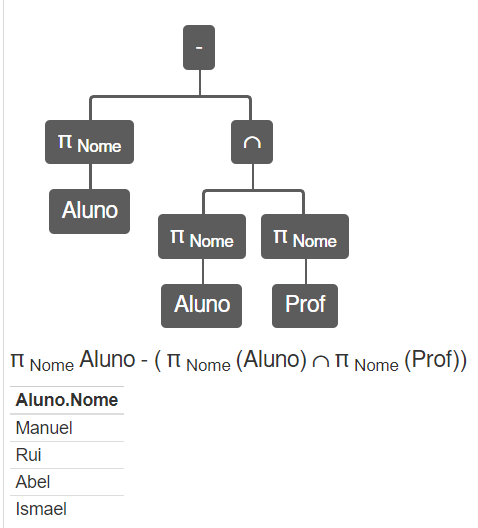
1. π nr (Aluno)



2. π cod, design ( σ curso = 'AC' Cadeira)

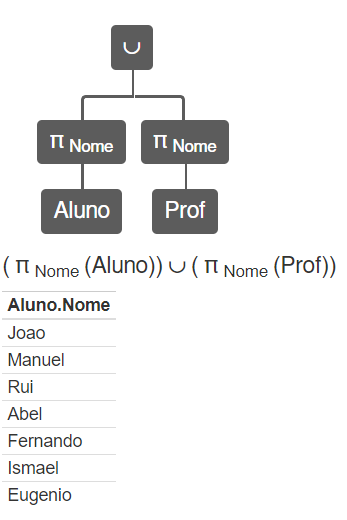


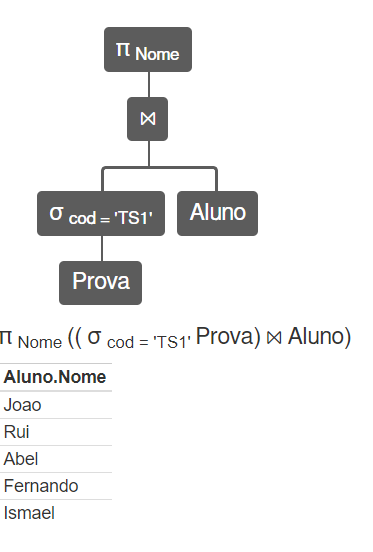
3. (π Nome (Aluno))⨝ (π Nome (Aluno))

4. π Nome Aluno - (π Nome (Aluno) ∩ π Nome (Prof))

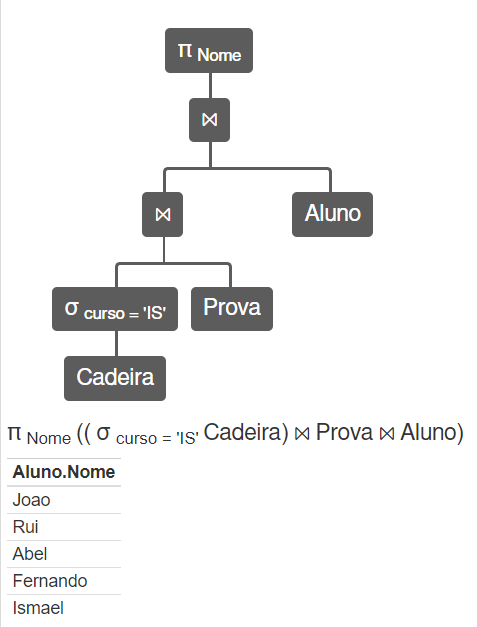
Ou

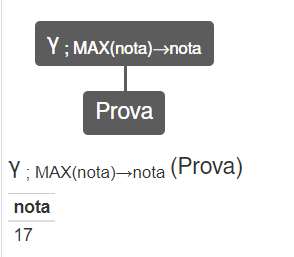
π Nome ((Aluno)▷(Prof))

5. (π Nome (Aluno)) ∪ (π Nome (Prof))

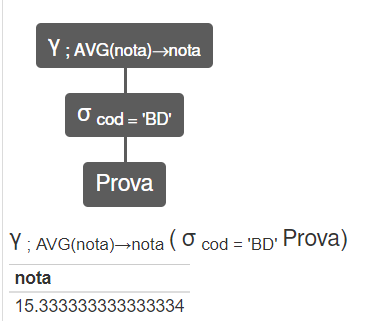


6. π Nome ((σcod = 'TS1' Prova)⨝Aluno)

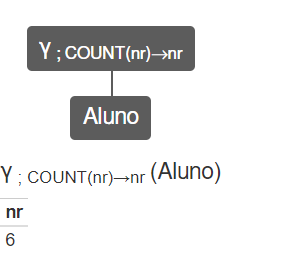
7. π Nome ((σcurso = 'IS' Cadeira )⨝Prova⨝Aluno)



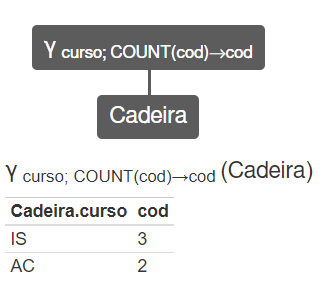
9. γ max(nota)->nota (Prova)

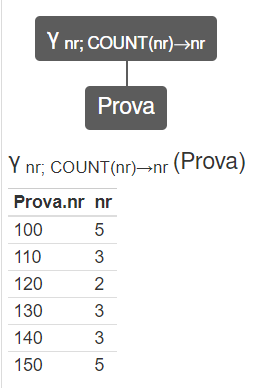


10. γ avg(nota)->nota (σ cod='BD' Prova)



11. γ count(nr)->nr (Aluno)

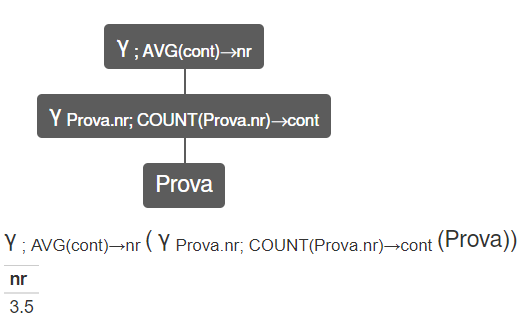
12. γ curso; count(cod)-> cod (Cadeira)



13. γ nr; count(nr)-> nr (Prova)

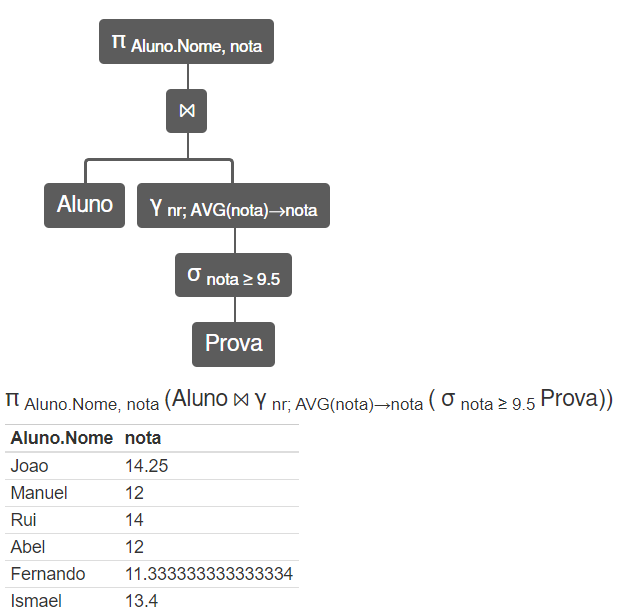
Ou

γ nr; count(cod)→cod (Prova)



14. γ ; AVG(cont)->nr ( γ Prova.nr; count(Prova.nr)-> cont (Prova))

15. π Aluno.Nome, nota (Aluno ⨝ γ nr; avg(nota) -> nota (σ nota ≥ 9.5 Prova))



16.

17.

8