Joseph Goergen

Homework 6

∃∀ε

1.

{t|t.names = s.names AND ∃ s ε(students) AND ∃ q ε(takes)(q.year = 2009)} AND ∃ p ε(takes)(p.year = 2010) AND s.dept\_name = ‘Biology’)

2.

{t| t.ID = p.ID AND ∃ p ε(instructor) AND ∃ q ε (instructor) (q.salary > p.salary AND p.ID ≠ q.ID)}

3.

{t| ∀ p ε(department)(p.budget ≤ t.budget)}