Practice TRC Solutions

October 5, 2023

Question 13

Each person works for a company and has at least two job skills.

$\{\neg\exists p(Person(p) \land (\neg\exists w(worksFor(w) \land\ w.pid = p.pid) \lor \neg\exists ps_1 \exists ps_2(personSkill(ps1)$
$\land\ personSkill(ps2) \land ps1.skill \neq ps2.skill \land\ ps1.pid = p.pid \land ps2.pid = p.pid))\}$

Question 14

For each company, list its name along with the lowest salary made
by employees who work for it

$\{w_1.cname, w_1.salary \mid worksFor(w_1) \land \forall w_2 \in worksFor\ (w_2.cname = w_1.cname$
$\rightarrow\ w_1.salary \leq w_2.salary)\}$