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Assignment 1 - Task 2

Q1:

$\pi_{\ p\_name}$

$\sigma_{\ s\_name\ =\ 'Golden\ Bolts'}$

$(\ partsupp \bowtie_{\ partsupp.ps\_partkey\ =\ parts.p\_partkey} part \bowtie_{\ partsupp.ps\_suppkey\ =\ supplier.s\_suppkey} supplier\ )$

Q2:

$\pi_{\ p\_name,\ s\_name}$

$\sigma_{\ s\_name\ <>\ p\_name}$

$(\ partsupp \bowtie_{\ partsupp.ps\_partkey\ =\ parts.p\_partkey} part \bowtie_{\ partsupp.ps\_suppkey\ =\ supplier.s\_suppkey} supplier\ )$

Q3:

$\pi_{\ p\_name}$

$\sigma_{\ ps\_suppkey\ =\ NULL}$

$(\ part \bowtie_{\ part.p\_partkey\ =\ partsupp.ps\_partkey} partsupp\ )$