

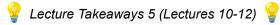
1. Decompose into BCNF				
2. Draw a	n RA tree for this	query		
FROM	MAX(UserID) Payroll			
	MAX(UserID) Regist			

3. Draw an RA tree for this query

SELECT P.UserID, COUNT(*) FROM Payroll AS P, Regist AS R WHERE P.UserId = R.UserID GROUP BY P.UserID

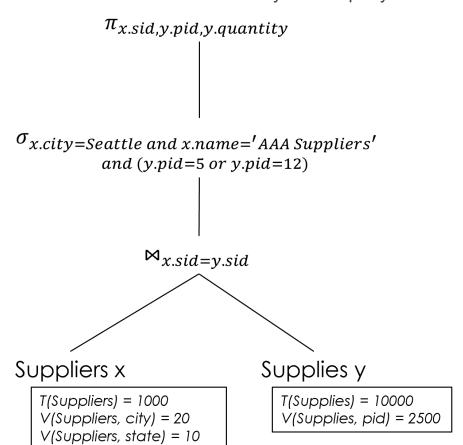


- 4. An inner join is:
- o Commutative only
- o Associative only
- o Both Commutative and Associative
- Neither Commutative nor Associative



5. Find a semantically-equivalent tree
6. Describe a uniformly-distributed dataset, or describe how one of our datasets does NOT have a uniform distribution
7. What is a general-purpose expression for the cardinality of a join between two tables on a primary key?

8. What is the estimated cardinality of this query?



V(Suppliers, name) = 950