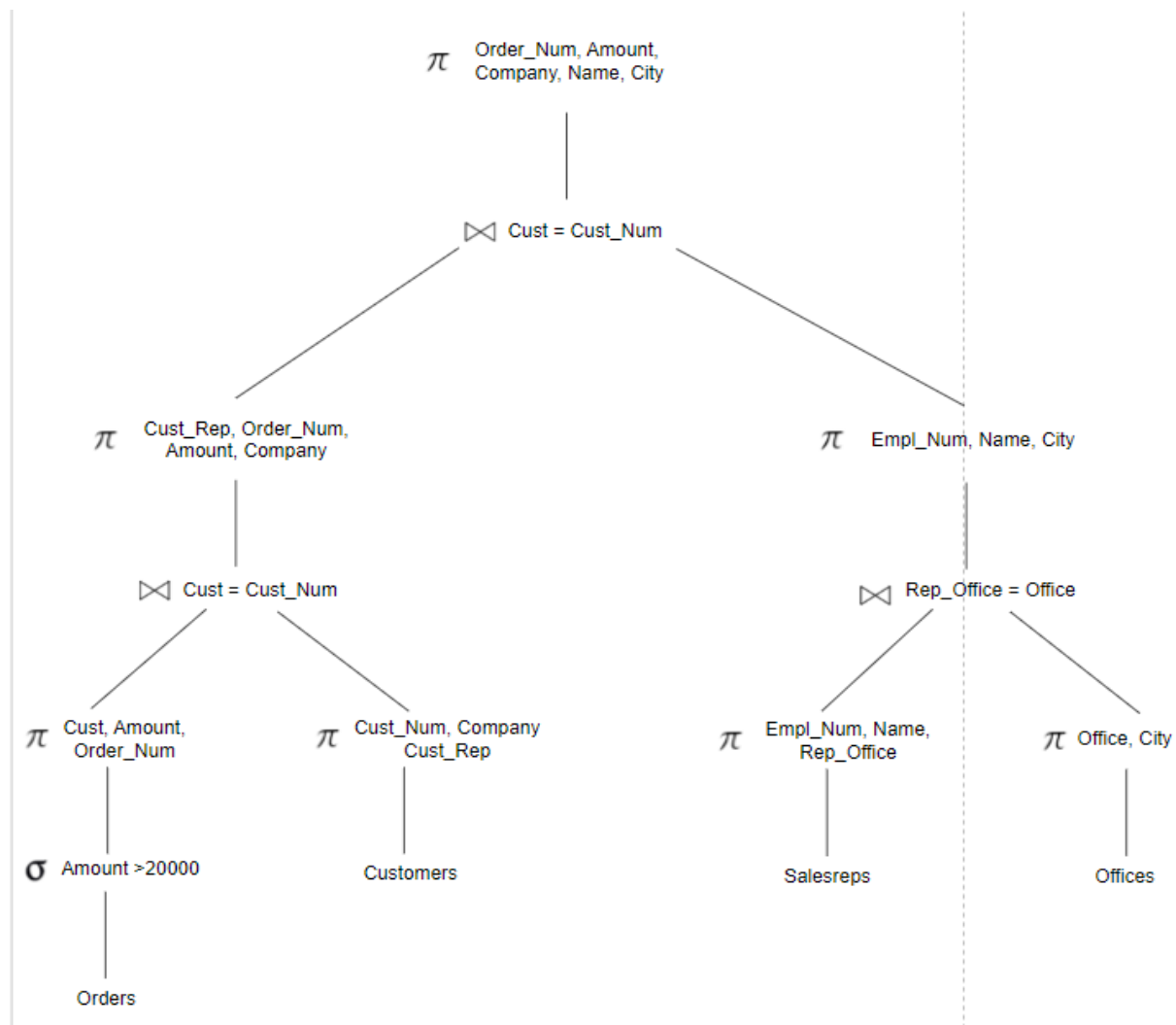


Jaron Jon Javier
Professor Ahmad Hadaegh
CS443 - Database Management Systems
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Lab 6

1) Use a query tree to optimize the following query. Use the tables that was provided in previous Assignment

SELECT Order_Num, Amount, Company, Name, City
FROM Orders, Customers, Salesreps, Offices
WHERE Cust = Cust_Num
AND Cust_Rep = Empl_Num
AND Rep_Office = Office
AND Amount > 20000



2) Use a query tree to optimize the following query. Use the tables that was provided in previous assignment

SELECT cust_num, cust_rep, name, rep_office, city

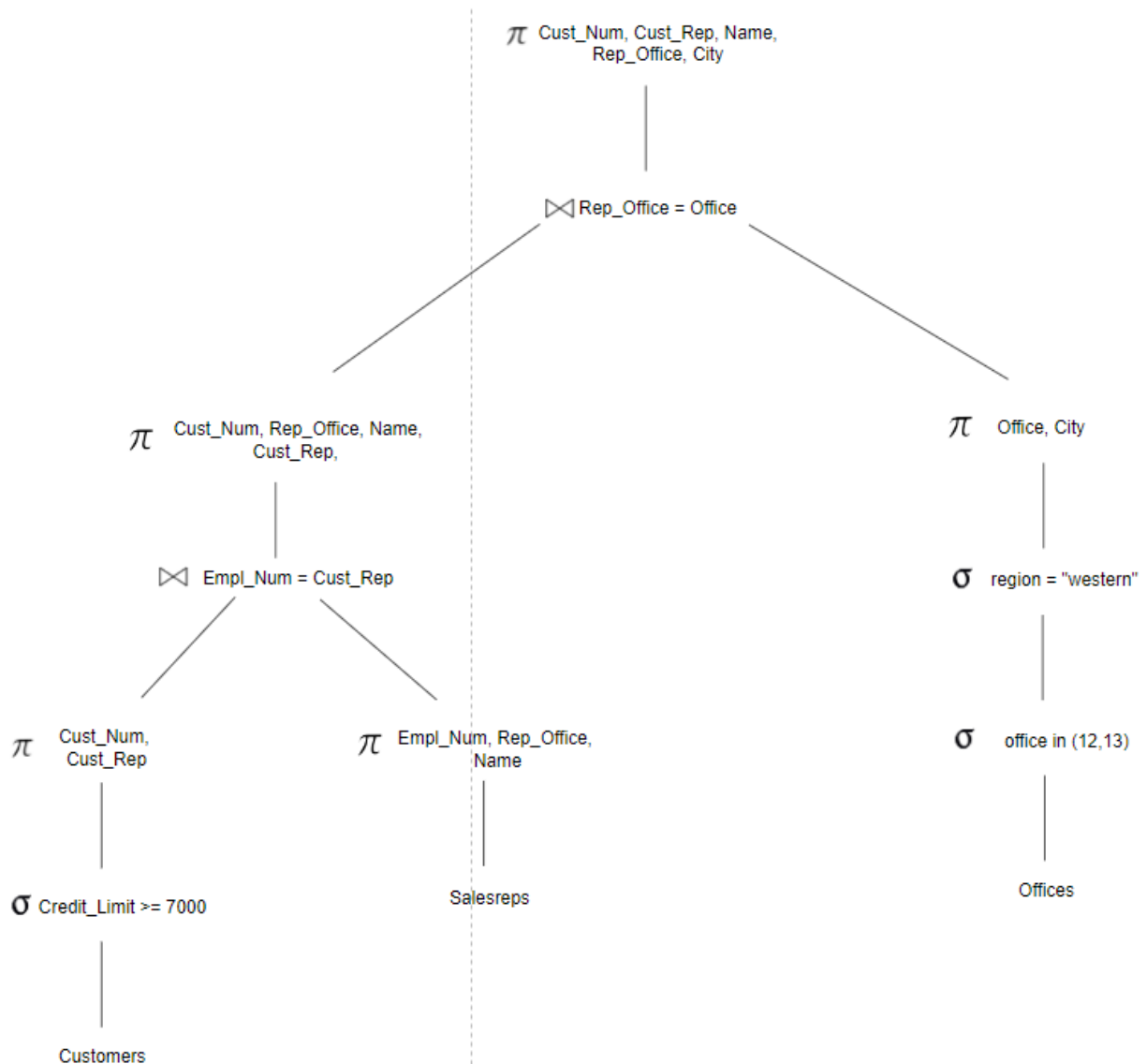
FROM Customers, Salesreps, Offices

WHERE empl_num = cust_rep, and rep_office = office

AND credit_limit >= 7000

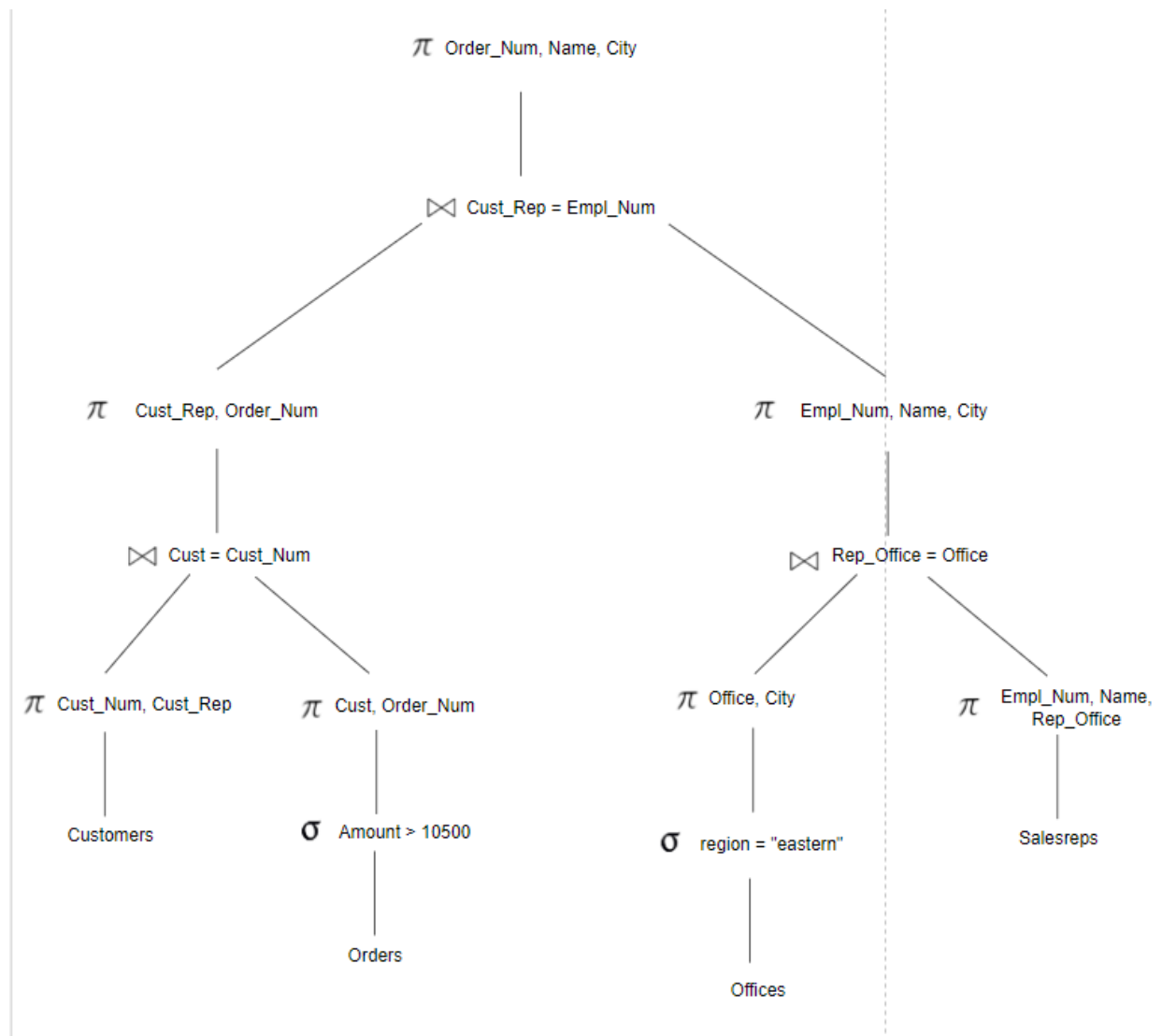
And region = "western"

And office in (12, 13)



3) Use a query tree to optimize the following query. Use the tables that was provided in previous assignment

SELECT Order_Num, Name, City
FROM Orders, Customers, Salesreps, Offices
WHERE Cust = Cust_Num
AND Cust_Rep = Empl_Num
AND Rep_Office = Office
AND Amount > 10500
AND region = "Eastern"



4) Use a query tree to optimize the following query. Use the tables that was provided in previous assignment

SELECT order_num, mfr, product, rep, price

From orders, products

Where price > 100

And Qty-On-hand > 6

And mfr = mfr_id

And product = product_id

