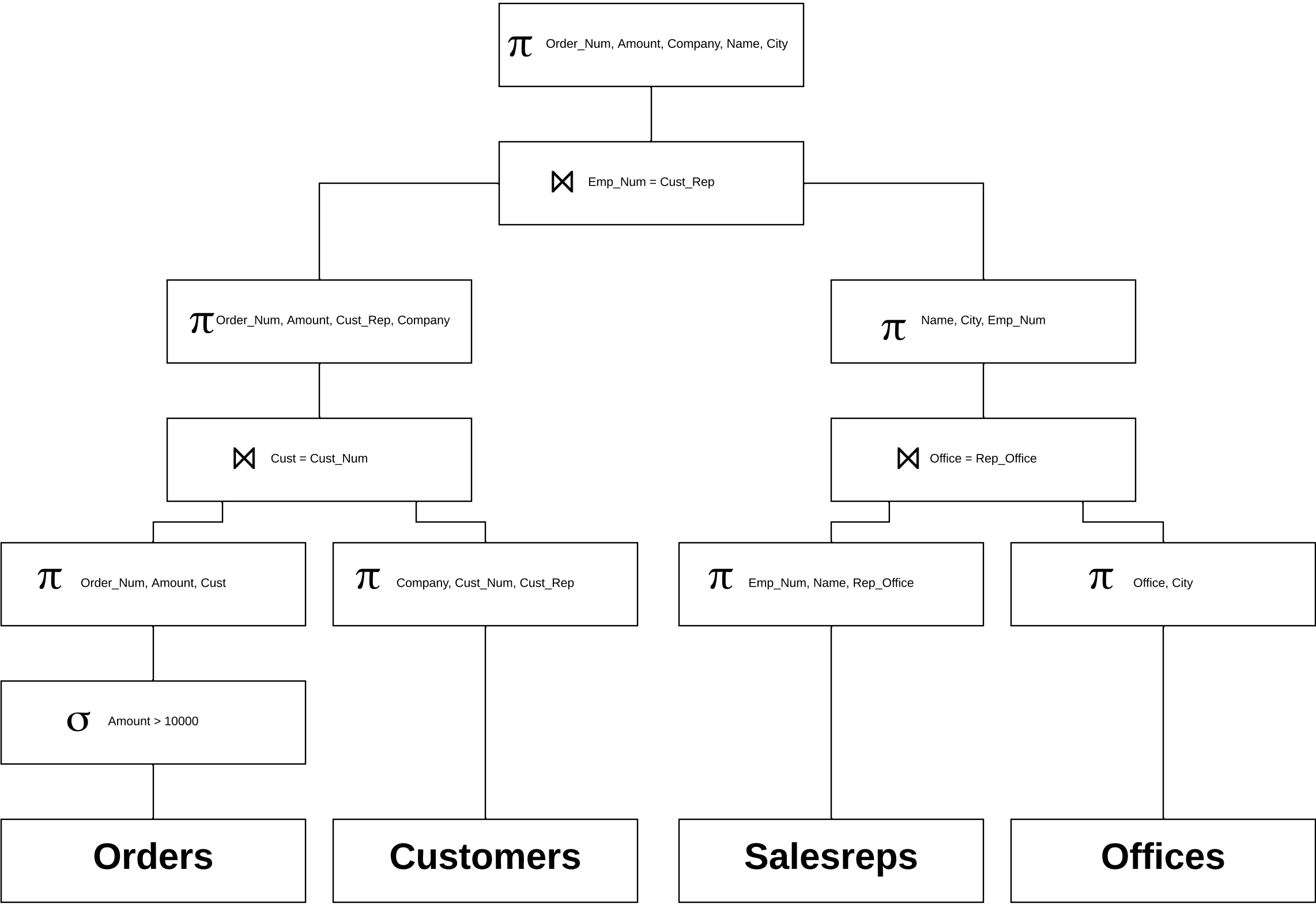


CS 443 Lab 7

By Victor Nguyen

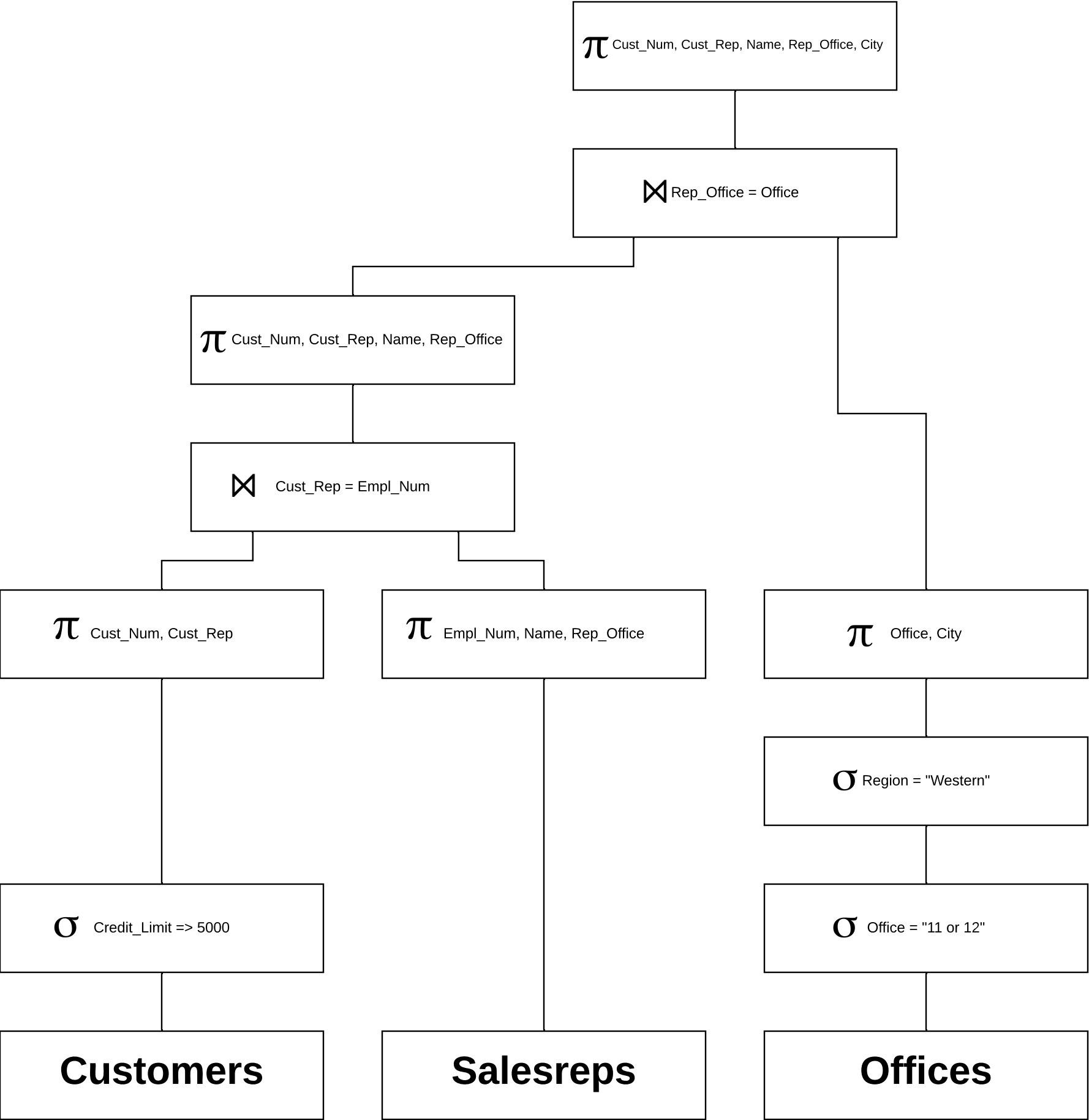
1) Use query tree to optimize the following query. Use the tables that was provided in previous Assignment

```
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 > 10000
```



2) Use 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 = officeAND credit_limit >= 5000 And region = "western" And office in (11, 12)
```



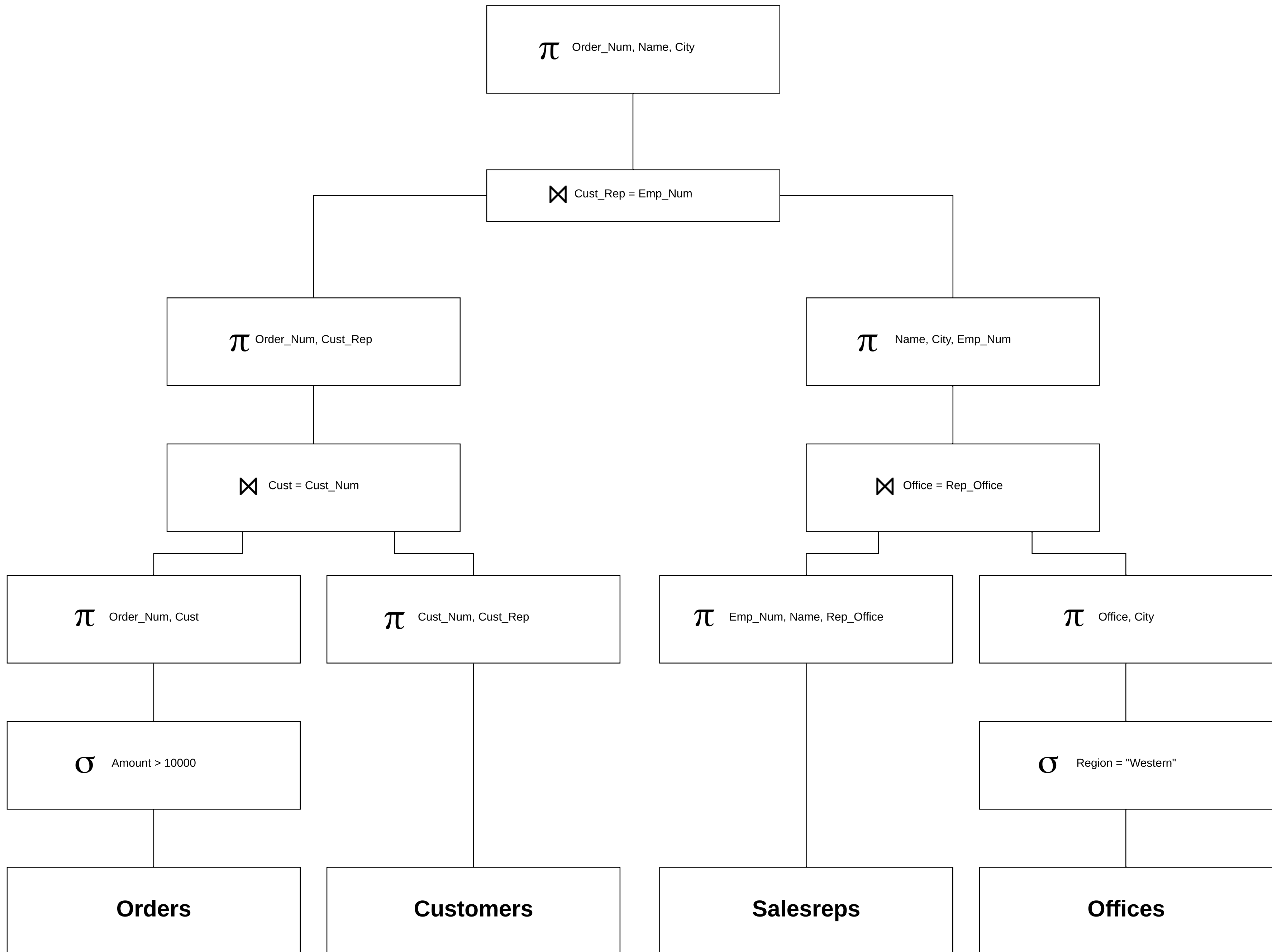
3) Use query tree to optimize the following query. Use the tables that was provided in previous assignment

```
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 > 10000 AND region = "Western"



- 4) Use query tree to optimize the following query. Use the tables that was provided in previous assignment
- ```
SELECT order_num, mfr, product, cust_rep, price
From orders, products
Where price > 100 And Qty-On-hand > 3
and mfr = mfr_id and product = product_id
```

