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Relational Algebra#2

1. Π customerNameσ customer.state = office.state customers⋈ ⋈Employees⋈Office
2. Π customerNameσ productVendor = ‘classic metal creation’customers⋈ ⋈orders⋈products
3. Π customerName σ shippeddate - orderdate<=3customers ⋈ orders
4. Π customerName,lastname,firstname,office.state,office.city(customers =⋈ customer.salesRepNumber= employees.employeeNumber) ⋈ office
5. Π firstName, lastName, customerName  employees=⋈ employees.employeeNumber = customers.salesRepNumber customers
6. Π status
7. Π orderNumber σ status = 'On Hold' ∨ QuantityOrdered > QuantityInStock orders⋈ orderDetails ⋈ products
8. Π lastName, firstName σ country = 'Japan' employees
9. Π productLine, ProductName, quantityOrdered σ month(orderDate) = JulyProductLines ⋈

Products ⋈ Orders ⋈ OrderDetails

1. Π customerName, paymentDate σ amount > 1000Customers ⋈ Payments
2. Π productLine σ state = ‘LA’ProductLines ⋈ Products ⋈ Orders ⋈ Customers