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CREATE
(mf:SUPPLIER {name:"Mike's Farm", location:"28.289135, -82.198333",
address:"37397 Bailey Hill Rd, Dade City, FL 33525",
email:"sales@mikefarm.com", phone_number:"728-645-9843"}),
(js:SUPPLIER {name:"Jane Superprovider", location:"28.001128, -82.219893",
address:"3554 Moores Lake Rd, Dover, FL 33527",
email:"jane@superprovider.net", phone_number:"876-123-9836"}),
(intpaper:SUPPLIER {name:"International Paper Inc.", location:"29.059573,
-81.316919", address:"1672 N Stone St, DeLand, FL 32720",
email:"sales_support@intpaper.com", phone_number:"731-321-9847"}),
(lol:SUPPLIER {name:"Land O' Lakes", location: "30.200314, -82.991234",
address: "100 Land O' Lakes Way, Orlando, FL 34786", email:
"corporate@landolakes.com", phone_number: "321-322-3022"}),

(b1:PRODUCT {product_id:"b1", name:"Bread", category:"bakery",
unit_weight:20, num_units: 24,
expiration_date:"2023-12-04"})-[:BELONGS_TO]->(mf),
(b2:PRODUCT {product_id:"b2", name:"Bread", category:"bakery",
unit_weight:20, num_units: 30,
expiration_date:"2023-11-20"})-[:BELONGS_TO]->(js),
(co1:PRODUCT {product_id:"co1", name:"Coffee", category:"beverage",
unit_weight:12, num_units: 24,
expiration_date:"2023-12-10"})-[:BELONGS_TO]->(intpaper),
(co2:PRODUCT {product_id:"co2", name:"Coffee", category:"beverage",
unit_weight:12, num_units: 36,
expiration_date:"2023-11-22"})-[:BELONGS_TO]->(lol),
(ch1:PRODUCT {product_id:"ch1", name:"Cheese", category:"dairy",
unit_weight:10, num_units: 24,
expiration_date:"2023-12-01"})-[:BELONGS_TO]->(mf),
(ch2:PRODUCT {product_id:"ch2", name:"Cheese", category:"dairy",
unit_weight:10, num_units: 24,
expiration_date:"2023-11-25"})-[:BELONGS_TO]->(js),
(oj1:PRODUCT {product_id:"oj1", name:"Orange Juice", category:"beverage",
unit_weight:12, num_units:36,
expiration_date:"2023-12-01"})-[:BELONGS_TO]->(js),
(oj2:PRODUCT {product_id:"oj2", name:"Orange Juice", category:"beverage",
unit_weight:12, num_units: 36,
expiration_date:"2023-11-28"})-[:BELONGS_TO]->(lol),
(bt1:PRODUCT {product_id:"bt1", name:"Butter", category:"dairy",
unit_weight: 8, num_units: 16,
expiration_date:"2024-02-15"})-[:BELONGS_TO]->(mf),
(bt2:PRODUCT {product_id:"bt2", name:"Butter", category:"dairy",
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        unit_weight: 8, num_units: 16,
        expiration_date:"2024-02-28"})-[:BELONGS_TO]->(js),
        (en1:PRODUCT {product_id:"en1", name:"Envelope, 12in", category:"office",
        unit_weight: 6, num_units: 50,
        expiration_date:""})-[:BELONGS_TO]->(intpaper),
        (en2:PRODUCT {product_id:"en2", name:"Envelope, 8in", category:"office",
        unit_weight: 6, num_units: 50, expiration_date:""})-[:BELONGS_TO]->(lol),

        (store1:STORE {name:"Publix Super Market at Champions Gate Village",
        location:"28.262366, -81.619018", address:"8301 Champions Gate Blvd,
        Championsgate, FL 33896", phone_number:"407-390-1315"}),
        (store2:STORE {name:"Publix Super Market at Town and Country Square",
        location:"28.079032, -81.991980", address:"32H5 Lakeland, Florida",
        phone_number:"863-858-1146"}),
        (store3:STORE {name:"Publix Super Market at Lakewood Ranch Gateway",
        location:"27.483138, -82.432014", address:"1755 Lakewood Ranch Blvd,
        Bradenton, FL 34211", phone_number:"941-745-5677"}),
        (store4:STORE {name:"Publix Super Market at Bellair Plaza",
        location:"29.261618, -81.028235", address:"2595 N Atlantic Ave, Daytona
        Beach, FL 32118", phone_number:"386-677-3098"}),
        (store5:STORE {name:"Publix Market at the Grove", location:"29.244567,
        -81.182930", address:"4870 S Apopka Vineland Rd, Orlando, FL 32819",
        phone_number:"407-866-5954"}),

        (w1:WAREHOUSE {name:"Warehouse at Mulberry", location:"27.905371,
        -81.973203", address:"1285 FL-37, Mulberry, FL 33860", capacity:200000,
        phone_number:"987-098-3674"})-[:LOCATED_IN]->(intpaper),
        (w2:WAREHOUSE {name:"Warehouse at Orlando", location:"28.554798,
        -81.108713", address:"18011 Old State Rd 50, Orlando, FL 32820",
        capacity:400000, phone_number:"717-328-3697"})-[:LOCATED_IN]->(lol),
        (w3:WAREHOUSE {name:"Warehouse at Oviedo", location:"29.554798,
        -81.233212", address:"33427 W Oviedo Dr, Orlando, FL 35564",
        capacity:350000, phone_number:"321-334-3927"})-[:LOCATED_IN]->(js),

        (driver1:DRIVER{name:"Tom", phone_number:"562-983-6587", age:33,
        years_of_experience:6 }),
        (driver2:DRIVER{name:"Sarah", phone_number:"555-1234", age:28,
        years_of_experience:5}),
        (driver3:DRIVER{name:"Bob", phone_number:"555-5678", age:40,
        years_of_experience:12}),
        (driver4:DRIVER{name:"Steve", phone_number:"555-9876", age:35,
        years_of_experience:8}),
        (driver5:DRIVER{name:"David", phone_number:"555-4321", age:45,
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    years_of_experience:15}),
(driver6:DRIVER{name:"Beth", phone_number:"555-8765", age:30,
years_of_experience:7}),
(driver7:DRIVER{name:"Angela", phone_number:"555-5432", age:38,
years_of_experience:10}),
(driver8:DRIVER{name:"Rachel", phone_number:"555-2345", age:32,
years_of_experience:6}),

(truck1:TRUCK {truck_id:"truck1", license_plate:"FGE-657",
payload_capacity:5000, fuel_range:1000,
fuel_consumption:10})-[:ASSIGNED_TO]->(driver1),
(truck2:TRUCK {truck_id:"truck2", license_plate:"LOD-428",
payload_capacity:25000, fuel_range:1400,
fuel_consumption:5})-[:ASSIGNED_TO]->(driver2),
(truck3:TRUCK {truck_id:"truck3", license_plate:"ABC-123",
payload_capacity:30000, fuel_range:1200,
fuel_consumption:6})-[:ASSIGNED_TO]->(driver3),
(truck4:TRUCK {truck_id:"truck4", license_plate:"XYZ-789",
payload_capacity:8000, fuel_range:1500,
fuel_consumption:4.5})-[:ASSIGNED_TO]->(driver4),
(truck5:TRUCK {truck_id:"truck5", license_plate:"DEF-456",
payload_capacity:7600, fuel_range:1300,
fuel_consumption:5.5})-[:ASSIGNED_TO]->(driver5),
(truck6:TRUCK {truck_id:"truck6", license_plate:"GHI-789",
payload_capacity:32000, fuel_range:1100,
fuel_consumption:7})-[:ASSIGNED_TO]->(driver6),
(truck7:TRUCK {truck_id:"truck7", license_plate:"JKL-012",
payload_capacity:26000, fuel_range:1400,
fuel_consumption:5.2})-[:ASSIGNED_TO]->(driver7),


(js)-[:SUPPLY{ purchase_date: datetime("2023-10-29")}]->(b1),

(b2)-[:LOCATED]->(w2),
(ch2)-[:LOCATED]->(w3),
(bt2)-[:LOCATED]->(store1),
(oj1)-[:LOCATED] -> (truck2),

(b2)-[:DESTINED]->(truck2),
(b2)-[:DESTINED]->(truck1),
(ch2)-[:DESTINED]->(truck2),
(ch2)-[:DESTINED]->(truck3),
(oj1)-[:DESTINED]->(store5),
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(mf)-[:SUPPLY{ purchase_date: datetime("2023-11-02")}]->(b1),
(b1)-[:LOCATED]->(truck1),
(ch1)-[:LOCATED]->(truck3),
(bt1)-[:LOCATED]->(truck2),

(b1)-[:DESTINED]->(store1),
(ch1)-[:DESTINED]->(w2),
(bt1)-[:DESTINED]->(store3),
(b1)-[:DESTINED]->(store2),
(bt1)-[:DESTINED]->(store4),

(intpaper)-[:SUPPLY{ purchase_date: datetime("2023-11-03")}]->(b1),
(co1)-[:LOCATED]->(intpaper),
(en1)-[:LOCATED]->(w2),

(co1)-[:DESTINED]->(truck6),
(en1)-[:DESTINED]->(truck3)

return *


// Queries
MATCH (d:DRIVER)<-[r]-(t)
WHERE d.name = "Tom"
WITH d, r, t
MATCH (t)<-[r2]-(l)
RETURN d, r, t, r2, l

MATCH (p:PRODUCT)-[r]->(s:SUPPLIER)
WHERE s.name = "International Paper Inc." and p.name = "Envelope, 12in"
WITH p
MATCH (n1)<-[]-(p)
return p, n1
```