

Nombre: Walter Bau



A: Parque Central

B: Don Colon Restaurant

C: Simón 7-84

D: La Villa

E: Guajibamba

F: PHP Vietnamita Bistro

G: EL MERCADO Restaurant

H: Tiesto's Café Restaurant

I: Fabiano's Pizzeria

J: Cositas Restaurants

K: Paradise Indian Restaurant Cuenca

L: La Esquina

M: EL Capitan

N: La Herradura Parrilladas

O: Zircus Restaurant

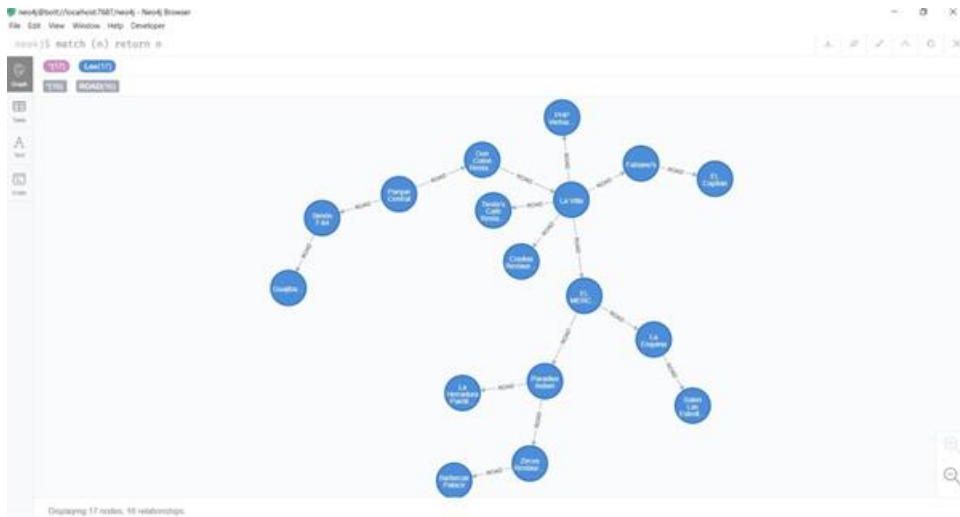
P: Salon Las Estrellas

Q: Barbecue Palace Indian restaurant

## NEO4J

```
CREATE (a:Loc {name: 'Parque Central'}),
      (b:Loc {name: 'Don Colon Restaurant'}),
      (c:Loc {name: 'Simón 7-84'}),
      (d:Loc {name: 'La Villa'}),
      (e:Loc {name: 'Guajibamba'}),
      (f:Loc {name: 'PHP Vietnamita Bistro'}),
      (g:Loc {name: 'EL MERCADO Restaurant'}),
      (h:Loc {name: 'Tiesto's Café Restaurant'}),
      (i:Loc {name: 'Fabiano's Pizzeria'}),
      (j:Loc {name: 'Cositas Restaurants'}),
      (k:Loc {name: 'Paradise Indian Restaurant Cuenca'}),
      (l:Loc {name: 'La Esquina'}),
      (m:Loc {name: 'EL Capitan'}),
      (n:Loc {name: 'La Herradura Parrilladas'}),
      (o:Loc {name: 'Zircus Restaurant'}),
      (p:Loc {name: 'Salon Las Estrellas'}),
      (q:Loc {name: 'Barbecue Palace Indian restaurant'}),
      (a)-[:ROAD {cost: 0.09}]->(b),
      (a)-[:ROAD {cost: 0.08}]->(c),
      (c)-[:ROAD {cost: 0.3}]->(e),
      (b)-[:ROAD {cost: 0.9}]->(d),
      (d)-[:ROAD {cost: 0.8}]->(f),
      (d)-[:ROAD {cost: 0.1}]->(g),
      (d)-[:ROAD {cost: 0.3}]->(h),
      (d)-[:ROAD {cost: 0.4}]->(i),      (d)-
      [:ROAD {cost: 0.5}]->(j),
      (g)-[:ROAD {cost: 0.3}]->(k),
      (g)-[:ROAD {cost: 0.2}]->(l),
```

(i)-[:ROAD {cost: 0.1}]->(m),  
 (k)-[:ROAD {cost: 0.9}]->(n),  
 (k)-[:ROAD {cost: 0.2}]->(o),  
 (l)-[:ROAD {cost: 0.6}]->(p),  
 (o)-[:ROAD {cost: 0.1}]->(q);



```
MATCH (start:Loc {name: 'Parque Central'}), (end:Loc {name: 'Barbecue Palace Indian restaurant'})
CALL gds.alpha.shortestPath.stream({ nodeQuery:'MATCH(n:Loc) RETURN id(n) AS id',
  relationshipQuery:'MATCH(n:Loc)-[r:ROAD]->(m:Loc) RETURN id(n) AS source, id(m) AS target,
  r.cost AS weight', startNode: start, relationshipWeightProperty: 'weight', endNode: end
})
YIELD nodeId, cost
RETURN gds.util.asNode(nodeId).name AS name, cost
```

neo4j

```
neo4j$ MATCH (start:Loc {name: 'Parque Central'}), (end:Loc {name: 'Barbecue Palace Indian restaurant'}) CALL gds.alpha...
```

name	cost
"Parque Central"	0.0
"Don Colon Restaurant"	0.09
"La Villa"	0.99
"EL MERCADO Restaurant"	1.09
"Paradise Indian Restaurant Cuenca"	1.3900000000000001
"Zirous Restaurant"	1.59
"Barbecue Palace Indian restaurant"	1.6900000000000002

Started streaming 7 records after 1 ms and completed after 39 ms.

```
neo4j$ MATCH (start:Loc {name: 'Parque Central'}), (end:Loc {name: 'Barbecue Palace Indian restaurant'}) CALL gds.alpha...
```

nodeCount	totalCost
7	1.6900000000000002