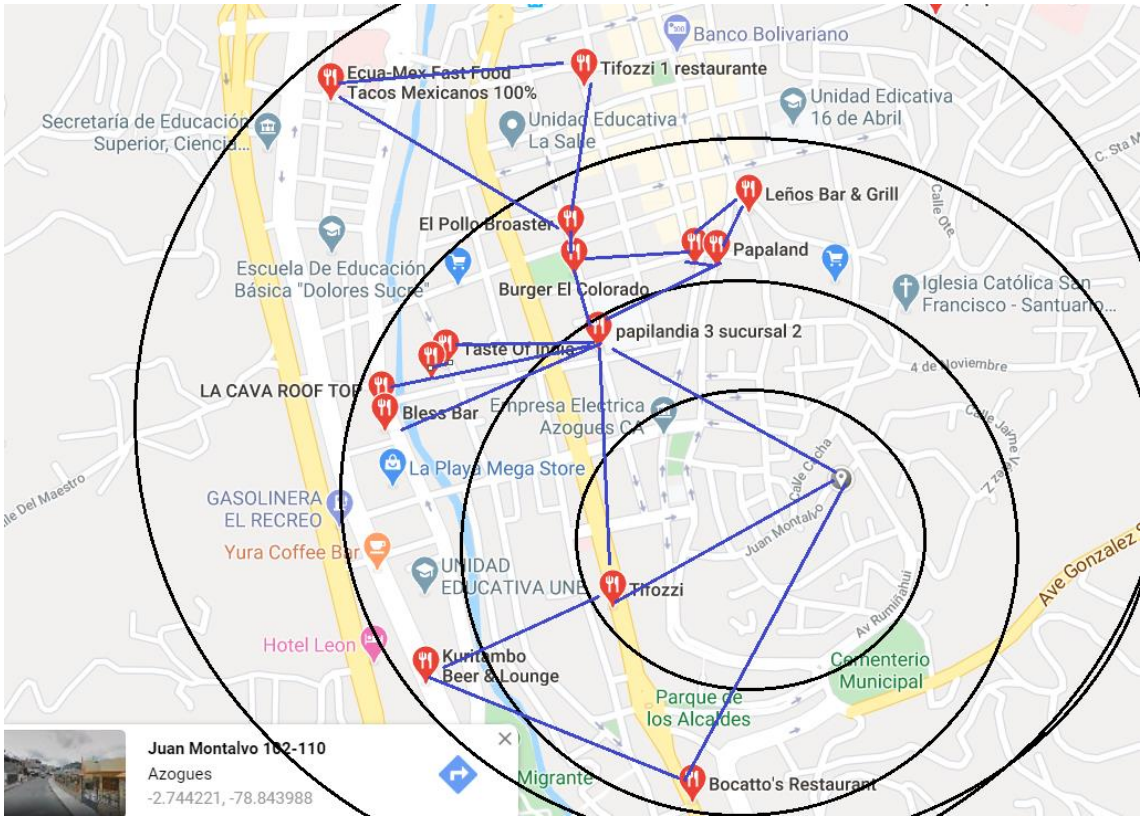
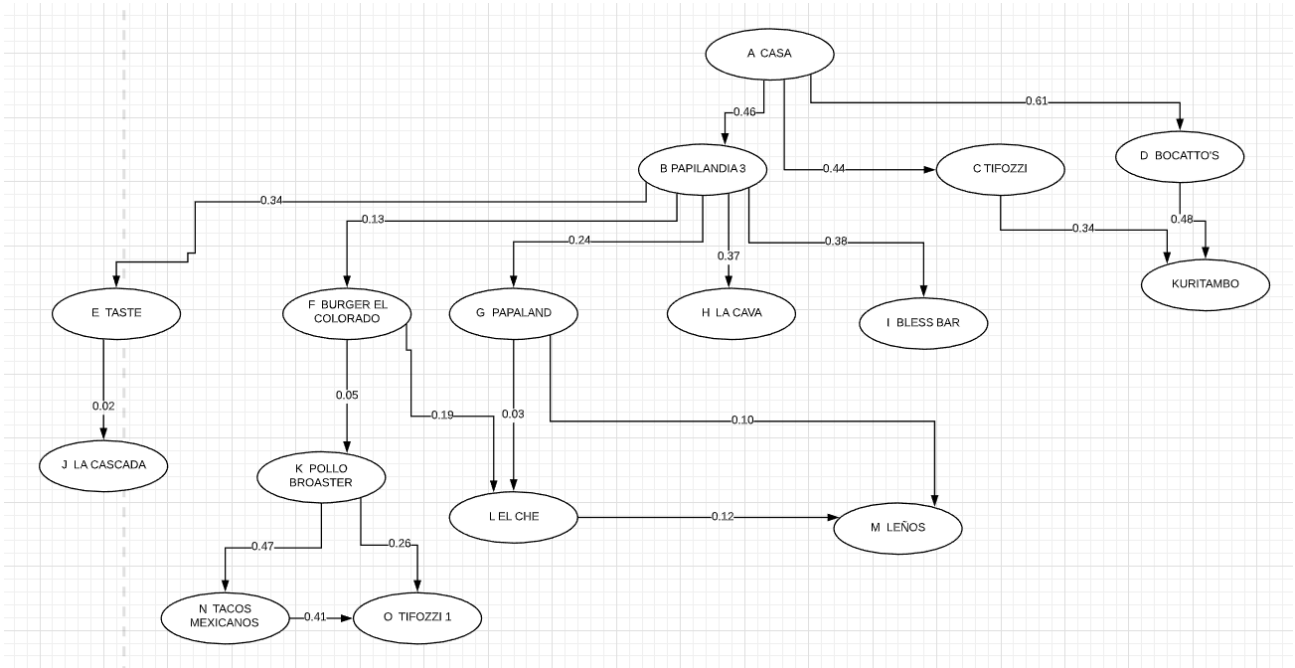
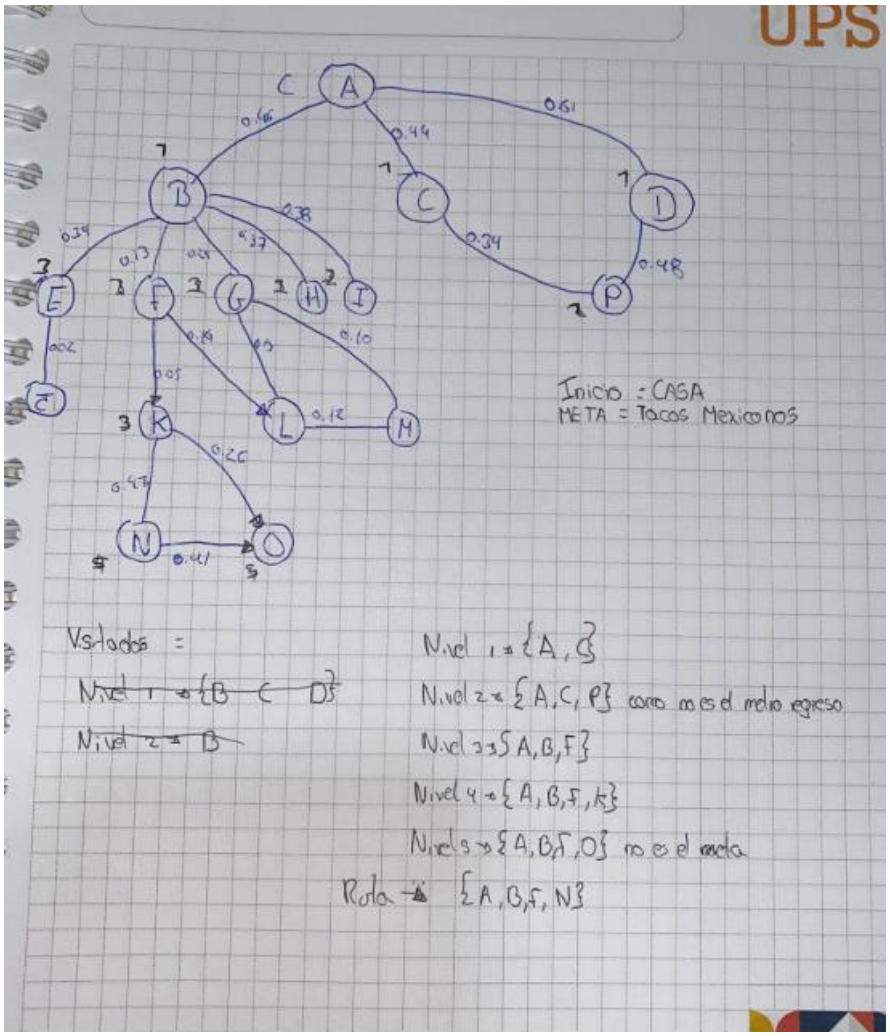
COLINA


Banco Bolivariano
Ecua-Mex Fast Food
Tacos Mexicanos 100%
Tifozzi 1 restaurante
Unidad Edicativa
16 de Abril
Secretaría de Educación
Superior, Ciencia...
Unidad Educativa
La Salle
Leños Bar & Grill
El Pollo Broaster
Papaland
Escuela De Educación
Básica "Dolores Sucre"
Burger El Colorado
Iglesia Católica San
Francisco - Santuario...
papilandia 3 sucursal 2
Taste Of India
4 de Noviembre
LA CAVA ROOF TOP
Bless Bar
Empresa Electrica
Azogues CA
La Playa Mega Store
GASOLINERA
EL RECREO
Yura Coffee Bar
UNIDAD
EDUCATIVA UNE
Tifozzi
Hotel Leon
Kuritambo
Beer & Lounge
Cementerio
Municipal
Parque de
los Alcaldes
Juan Montalvo 102-110
Azogues
-2.744221, -78.843988
Migrante
Bocatto's Restaurant


A CASA
0.46
0.61
B PAPILANDIA 3
0.44
C TIFOZZI
D BOCATTO'S
0.34
0.13
0.24
0.37
0.38
0.34
0.48
KURITAMBO
E TASTE
F BURGER EL COLORADO
G PAPALAND
H LA CAVA
I BLESS BAR
0.02
0.05
0.19
0.03
0.10
J LA CASCADA
K POLLO BROASTER
L EL CHE
0.12
M LEÑOS
0.47
0.26
N TACOS MEXICANOS
0.41
O TIFOZZI 1

SOLUCION A MANO



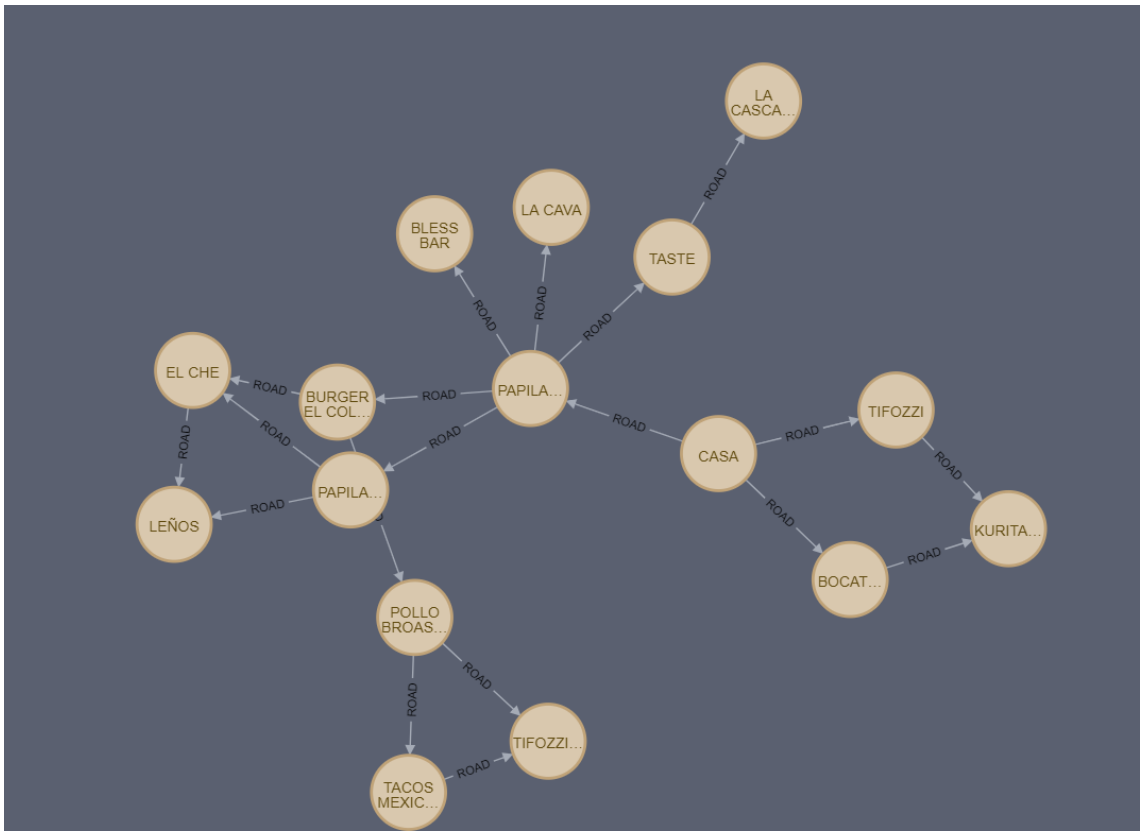
SOLUCION NEO4J

CREACION DE LOS NODOS

```
CREATE (a:Restaurante {name: 'CASA'}),
(b:Restaurante {name: 'PAPILANDIA'}),
(c:Restaurante {name: 'TIFOZZI'}),
(d:Restaurante {name: 'BOCATTOS'}),
(e:Restaurante {name: 'TASTE'}),
(f:Restaurante {name: 'BURGER EL COLORADO'}),
(g:Restaurante {name: 'PAPILANDIA'}),
(h:Restaurante {name: 'LA CAVA'}),
(i:Restaurante {name: 'BLESS BAR'}),
(j:Restaurante {name: 'LA CASCADA '}),
(k:Restaurante {name: 'POLLO BROASTER'}),
(l:Restaurante {name: 'EL CHE'}),
(m:Restaurante {name: 'LEÑOS'}),
(n:Restaurante {name: 'TACOS MEXICANOS'}),
(o:Restaurante {name: 'TIFOZZI-1'}),
```

```
(p:Restaurante {name: 'KURITAMBO'}),

(a)-[:ROAD {cost: 0.46}]->(b),
(a)-[:ROAD {cost: 0.44}]->(c),
(a)-[:ROAD {cost: 0.61}]->(d),
(c)-[:ROAD {cost: 0.34}]->(p),
(d)-[:ROAD {cost: 0.48}]->(p),
(b)-[:ROAD {cost: 0.34}]->(e),
(b)-[:ROAD {cost: 0.13}]->(f),
(b)-[:ROAD {cost: 0.24}]->(g),
(b)-[:ROAD {cost: 0.37}]->(h),
(b)-[:ROAD {cost: 0.38}]->(i),
(e)-[:ROAD {cost: 0.02}]->(j),
(f)-[:ROAD {cost: 0.05}]->(k),
(f)-[:ROAD {cost: 0.19}]->(l),
(g)-[:ROAD {cost: 0.03}]->(l),
(g)-[:ROAD {cost: 0.10}]->(m),
(l)-[:ROAD {cost: 0.12}]->(m),
(k)-[:ROAD {cost: 0.47}]->(n),
(k)-[:ROAD {cost: 0.26}]->(o),
(n)-[:ROAD {cost: 0.41}]->(o)
```



Metodo para búsqueda por Shortest Path en Neo4j

```
      MATCH (start:Restaurante {name: 'CASA'}), (end:Restaurante
      {name: 'TACOS MEXICANOS'})
      CALL gds.alpha.shortestPath.stream({
      nodeProjection: 'Restaurante',
      relationshipProjection: {
      ROAD: {
      type: 'ROAD',
      properties: 'cost',
      orientation: 'UNDIRECTED'
      }
      },
      startNode: start,
      endNode: end,
      relationshipWeightProperty: 'cost'
      })
      YIELD nodeId, cost
RETURN gds.util.asNode(nodeId).name AS name, cost
```

"CASA"	0.0
"PAPILANDIA"	0.46
"BURGER EL COLORADO"	0.5900000000000001
"POLLO BROASTER"	0.6400000000000001
"TACOS MEXICANOS"	1.11