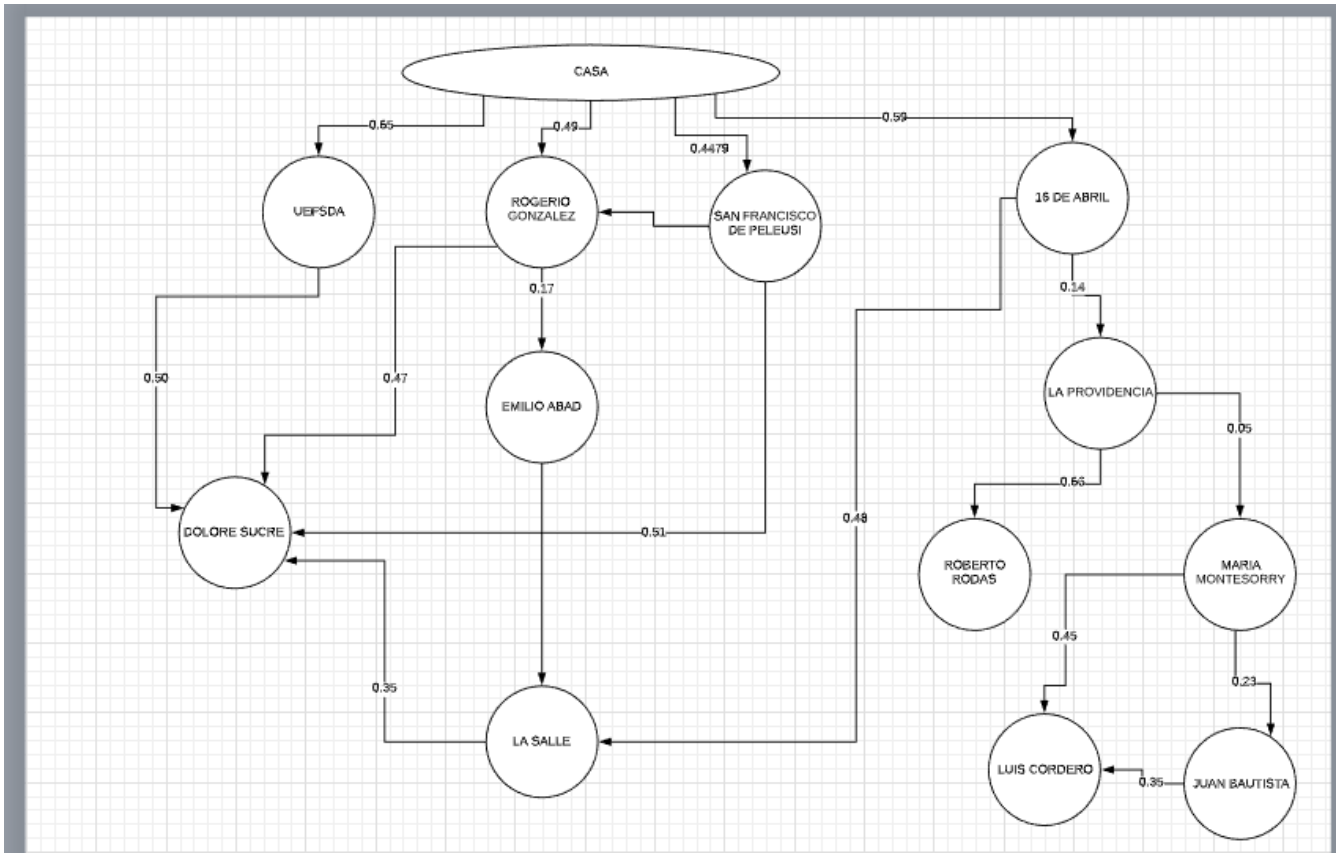
GOOGLE MAPS AZOGUES

NODOS



NODO INICIO= CASA

NODO META = LUS CORDERO

RESOLUCION A MANO

CALCULO DE H(N)

CASA=1.16

UEFSDA=0.93

16 DE ABRIL =0.59

SAN FRANCISCO DE PELEUIS= 1.05

EMILIO ABAD =0.66

LA SALLE= 0.54

DOLORE SUCRE=0.82

LA PROVIDENCIA= 0.45

ROBERTO RODAS=0.32

MARIA MONTESORRY=0.43

LUIS CORDERO =0

JUAN BAUTISTA =0.35

RESOLUCION EN NEO4J

CREATE (a:CentroEducativo {name: 'Casa', latitude: -79.037142, longitude: -2.920761}),
(b:CentroEducativo {name: 'Uefsda', latitude: -79.035861, longitude: -2.919575}),
(c:CentroEducativo {name: 'Rogerio gonzalez', latitude-78.8474071, longitude: -2.7417156}),

(d:CentroEducativo {name: '16 de Abril', latitude-78.8447222, longitude: -2.7389347}),

(e:CentroEducativo {name: 'Dolores Sucre', latitude: -79.040246, longitude: -2.908730}),

(f:CentroEducativo {name: 'Emilio Abad', latitude: -78.8486516, longitude: -2.7406118}),

(g:CentroEducativo {name: 'La Providencia', latitude: -78.8455188, longitude: -2.7379514}),

(h:CentroEducativo {name: 'Roberto Rodas ', latitude: -78.8507116, longitude-2.7349213}),

(i:CentroEducativo {name: 'Maria Montesorry', latitude-78.8452371, longitude: -2.7375488}),

(j:CentroEducativo {name: 'Luis Cordero', latitude: -78.8478336, longitude: -2.7344284}),

(k:CentroEducativo {name: 'La Salle', latitude-78.8489708, longitude-2.7392803}),

(l:CentroEducativo {name: 'Juan Bautista', latitude: -78.8447732, longitude-2.7355295}),

(m:CentroEducativo {name: 'San Francisco de Peleusi', latitude: -78.8482949, longitude: -2.7439741}),

(a)-[:CONNECTION {distancia: 0.55}]->(b),

(a)-[:CONNECTION {distancia: 0.49}]->(c),

(a)-[:CONNECTION {distancia: 0.59}]->(d),

(a)-[:CONNECTION {distancia: 0.44}]->(m),

(b)-[:CONNECTION {distancia: 0.50}]->(e),

(c)-[:CONNECTION {distancia: 0.47}]->(e),

(c)-[:CONNECTION {distancia:0.17}]->(f),

(m)-[:CONNECTION {distancia: 0.51}]->(e),

(m)-[:CONNECTION {distancia: 0.25}]->(e),

(d)-[:CONNECTION {distancia: 0.48}]->(k),

(d)-[:CONNECTION {distancia: 0.14}]->(g),

(g)-[:CONNECTION {distancia: 0.66}]->(h),

(g)-[:CONNECTION {distancia: 0.05}]->(i),

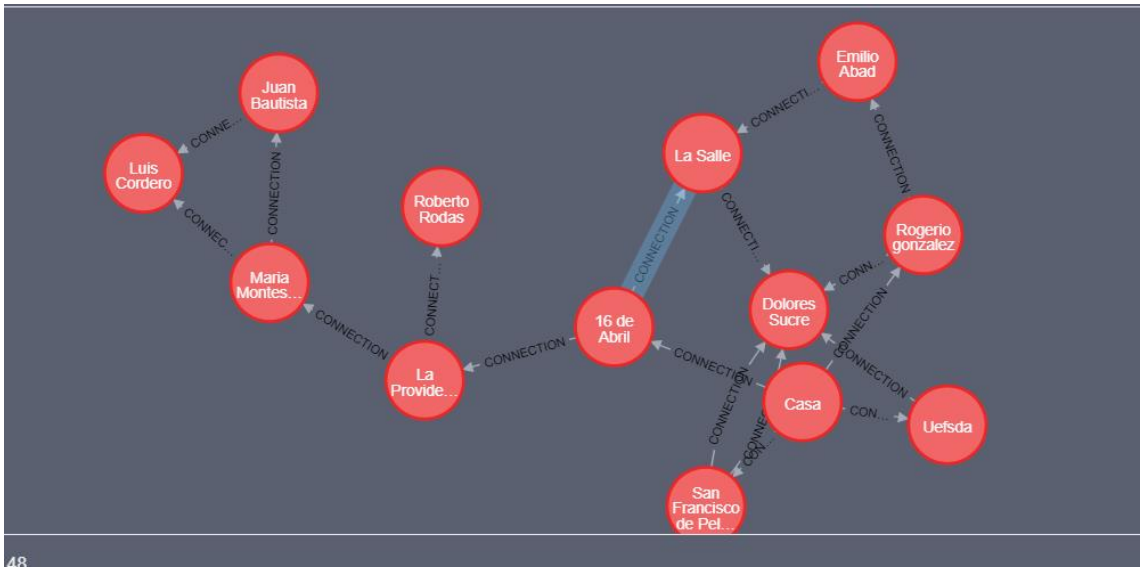
(i)-[:CONNECTION {distancia: 0.45}]->(j),

(i)-[:CONNECTION {distancia: 0.23}]->(l),

(l)-[:CONNECTION {distancia: 0.35}]->(j),

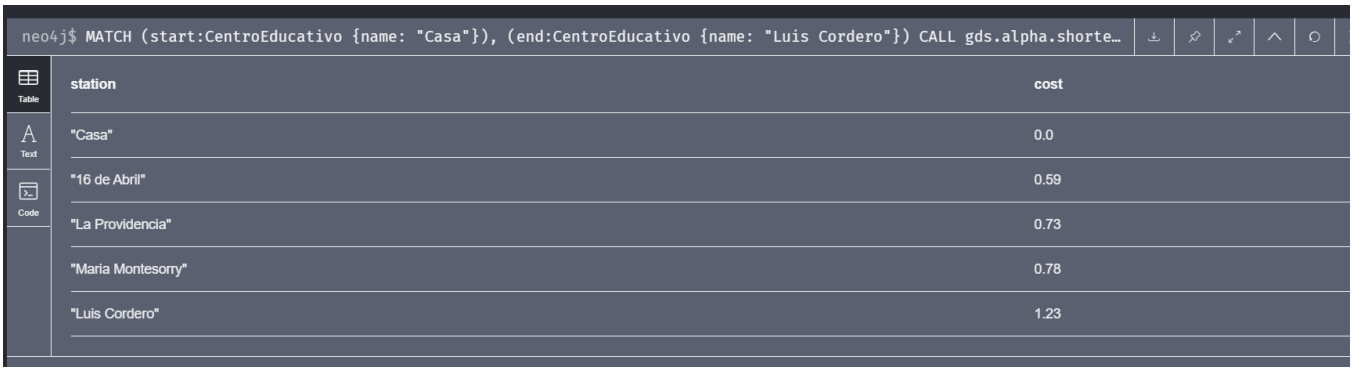
(f)-[:CONNECTION {distancia: 0.14}]->(k),

(k)-[:CONNECTION {distancia: 0.35}]->(e)



Búsqueda de a *

```
MATCH (start:CentroEducativo {name: "Casa"}),
(end:CentroEducativo {name: "Luis Cordero"})
CALL gds.alpha.shortestPath.astar.stream({
nodeQuery: 'MATCH (p:CentroEducativo) RETURN id(p) AS id',
relationshipQuery: 'MATCH (p1:CentroEducativo)-[r:CONNECTION]-
>(p2:CentroEducativo) RETURN id(p1) AS source, id(p2) AS target,
r.distancia AS weight',
startNode: start,
endNode: end,
relationshipWeightProperty: 'weight',
propertyKeyLat: 'latitude',
propertyKeyLat: 'longitude'
})
YIELD nodeId, cost
RETURN gds.util.asNode(nodeId).name AS station, cost
```


neo4j$ MATCH (start:CentroEducativo {name: "Casa"}), (end:CentroEducativo {name: "Luis Cordero"}) CALL gds.alpha.shorte…
Table
Text
Code
station
cost
"Casa"
0.0
"16 de Abril"
0.59
"La Providencia"
0.73
"Maria Montesorry"
0.78
"Luis Cordero"
1.23