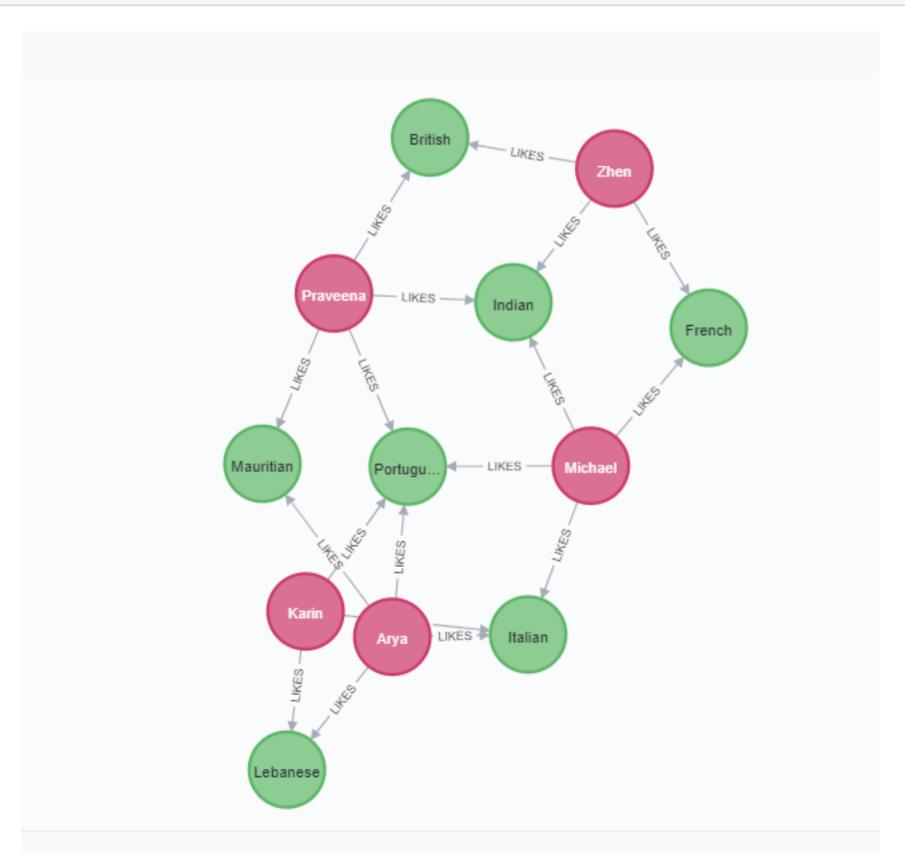
SIMILITUD DE COSENO

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Podemos usar el algoritmo Cosine Similarity para calcular la similitud entre dos cosas. Luego, podríamos usar la similitud calculada como parte de una consulta de recomendación. Por ejemplo, para obtener recomendaciones de películas basadas en las preferencias de los usuarios que han otorgado calificaciones similares a otras películas que ha visto.

```
In [ ]: #CREAMOS LOS NODOS
```

```
In [ ]: MERGE (french:Cuisine {name:'French'})
MERGE (italian:Cuisine {name:'Italian'})
MERGE (indian:Cuisine {name:'Indian'})
MERGE (lebanese:Cuisine {name:'Lebanese'})
MERGE (portuguese:Cuisine {name:'Portuguese'})
MERGE (british:Cuisine {name:'British'})
MERGE (mauritian:Cuisine {name:'Mauritian'})
MERGE (zhen:Person {name: "Zhen"})
MERGE (praveena:Person {name: "Praveena"})
MERGE (michael:Person {name: "Michael"})
MERGE (arya:Person {name: "Arya"})
MERGE (karin:Person {name: "Karin"})
MERGE (praveena)-[:LIKES {score: 9}]->(indian)
MERGE (praveena)-[:LIKES {score: 7}]->(portuguese)
MERGE (praveena)-[:LIKES {score: 8}]->(british)
MERGE (praveena)-[:LIKES {score: 1}]->(mauritian)
MERGE (zhen)-[:LIKES {score: 10}]->(french)
MERGE (zhen)-[:LIKES {score: 6}]->(indian)
MERGE (zhen)-[:LIKES {score: 2}]->(british)
MERGE (michael)-[:LIKES {score: 8}]->(french)
MERGE (michael)-[:LIKES {score: 7}]->(italian)
MERGE (michael)-[:LIKES {score: 9}]->(indian)
MERGE (michael)-[:LIKES {score: 3}]->(portuguese)
MERGE (arya)-[:LIKES {score: 10}]->(lebanese)
MERGE (arya)-[:LIKES {score: 10}]->(italian)
MERGE (arya)-[:LIKES {score: 7}]->(portuguese)
MERGE (arya)-[:LIKES {score: 9}]->(mauritian)
MERGE (karin)-[:LIKES {score: 9}]->(lebanese)
MERGE (karin)-[:LIKES {score: 7}]->(italian)
MERGE (karin)-[:LIKES {score: 10}]->(portuguese)
```



Se devuleve la similitud de michael y arya

	"from"	"to"	"similarity"
	"Michael"	"Arya"	0.9788908326303921