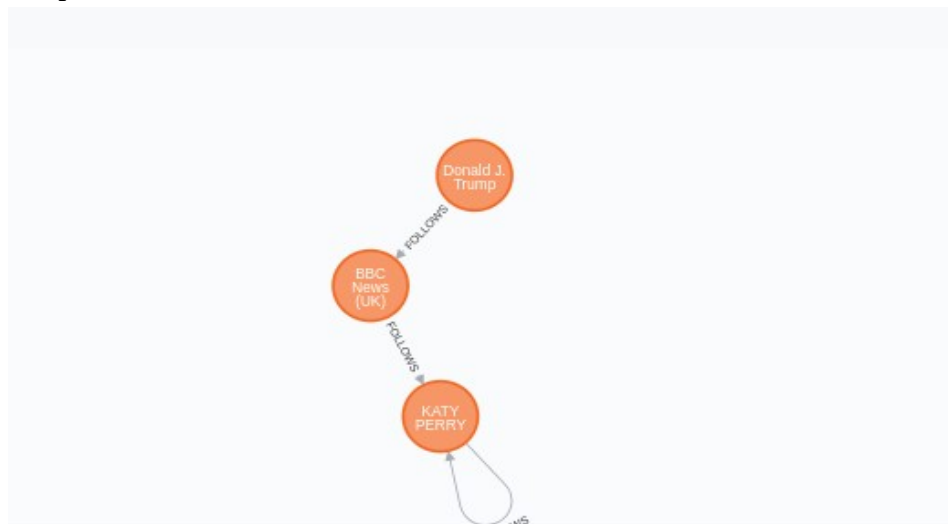


1. IMPORT – no results
2. MATCH (user:Account)<-[:FOLLOWS]-(:Account) RETURN user.id, user.name, count(f) as count ORDER BY count DESC LIMIT 10

	user.id	user.name	count
1	"813286"	"Barack Obama"	12725
2	"21447363"	"KATY PERRY"	11461
3	"25073877"	"Donald J. Trump"	6721
4	"25365536"	"Kim Kardashian West"	6680
5	"18839785"	"Narendra Modi"	6425
6	"50393960"	"Bill Gates"	5688
7	"428333"	"CNN Breaking News"	4819

ted streaming 285644 records after 2 ms and completed after 3 ms, displaying first 1000 rows.

3. MATCH (kp:Account {screen\_name:'katyperry'}), (dt:Account {screen\_name:'realDonaldTrump'}), p=allShortestPaths((kp)<-[:FOLLOWS\*]-(:dt)) RETURN p



4. MATCH (user:Account)-[:POSTS]->(tweet:Tweet) WITH user, sum(size((tweet)<-[:RETWEETS]-())) as count ORDER BY count DESC LIMIT 10 MATCH (user)-[:POSTS]->(tweets:Tweet)-[:RETWEETS]-() RETURN tweets, count(r) as cnt ORDER BY cnt ASC LIMIT 20

	tweets.id	cnt
1	"1287140698131750913"	1
2	"1289381622027112448"	1
3	"1289243214428303360"	2
4	"1289255470293757955"	3
5	"1288554276231548929"	3
6	"1288962040401399815"	6
7	"1289287273880547328"	10

ted streaming 20 records after 2 ms and completed after 2117 ms.

- ```
neo4j$ MATCH (donald:Account {screen_name:"realDonaldTrump"})-[:POSTS]->(tweet:Tweet)->[r:RETWEETS]-() WITH donald, tweet, ...
```

Added 2 labels, created 2 nodes, set 4 properties, created 3 relationships, completed after 931 ms.

- |   | users.id              | users.name                        | count |
|---|-----------------------|-----------------------------------|-------|
| 1 | "1287346882000424963" | "حسين سعود بن رديانAa"            | 2     |
| 2 | "1280570027922595840" | "🌍❤️ Tultera ❤️ Activa1 🌍"        | 1     |
| 3 | "850170003349438466"  | "Cindy #GoodTrouble #RestInPower" | 1     |
| 4 | "208018994"           | "Alessia Cacciatore"              | 1     |
| 5 | "1277279184390287361" | "કચ્છી   🇮🇳"                      | 1     |
| 6 | "343595581"           | "Maurice C. Pritchett"            | 1     |
| 7 | "832249908300230656"  | "🌍 TheWeepingEarth"               | 1     |

- |   | other_user.id         | other_user.name        | tweet_count |
|---|-----------------------|------------------------|-------------|
| 1 | "1246647610879795202" | "Aguilesreyes"         | 3           |
| 2 | "1246675162717491204" | "Gus Rodriguez"        | 3           |
| 3 | "1688430068"          | "goreti josefina liza" | 3           |
| 4 | "1247338058661408769" | "Bety Rodriguez"       | 2           |
| 5 | "186609803"           | "GUILLERMO ROMERO"     | 1           |
| 6 | "2371169797"          | "elizabeth"            | 1           |
| 7 | "952247125185720320"  | "#StayHome"            | 1           |

## 8. Dve možné riešenia

### 1. // pomocou intersection, čiže opakujúce sa slová len raz

```
MATCH (the_tweet:Tweet {id: "1289380305728503808"})<-[:POSTS]-
(the_account:Account)<-[:FOLLOWS*..5]-(followers:Account)-[:POSTS]-
>(followers_tweets:Tweet) RETURN followers_tweets.id,
size(apoc.coll.intersection(apoc.text.split(the_tweet.content, ' '),
apoc.text.split(followers_tweets.content, ' '))) as match_words_count ORDER BY
match_words_count DESC
```



|   | followers_tweets.id   | match_words_count |
|---|-----------------------|-------------------|
| 1 | "1289392408753401865" | 6                 |
| 2 | "1289389448224862211" | 6                 |
| 3 | "1289432628681011200" | 5                 |
| 4 | "1289440580372541440" | 5                 |
| 5 | "1289435136874831872" | 5                 |
| 6 | "1289432076274425856" | 5                 |
| 7 | "1289385267413958657" | 5                 |

ted streaming 567 records after 2 ms and completed after 983 ms.

### 2. // pomocou unwind a occurrences, takže všetky výskyty

```
MATCH (the_tweet:Tweet {id: "1289380305728503808"})<-[:POSTS]-
(the_account:Account)<-[:FOLLOWS*..5]-(followers:Account)-[:POSTS]-
>(followers_tweets:Tweet) UNWIND apoc.coll.toSet(apoc.text.split(the_tweet.content, '
')) as word RETURN followers_tweets.id,
sum(apoc.coll.occurrences(apoc.text.split(followers_tweets.content, ' '), word)) as
match_words_count ORDER BY match_words_count DESC
```



|   | followers_tweets.id   | match_words_count |
|---|-----------------------|-------------------|
| 1 | "1289392408753401865" | 9                 |
| 2 | "1288658354458570753" | 9                 |
| 3 | "1289433063756148737" | 9                 |
| 4 | "1289314520486129665" | 8                 |
| 5 | "1289434017880670208" | 7                 |
| 6 | "1289024888280211456" | 7                 |
| 7 | "1289389448224862211" | 7                 |

Started streaming 566 records after 1 ms and completed after 708 ms.