BI / read / 14

BI 1
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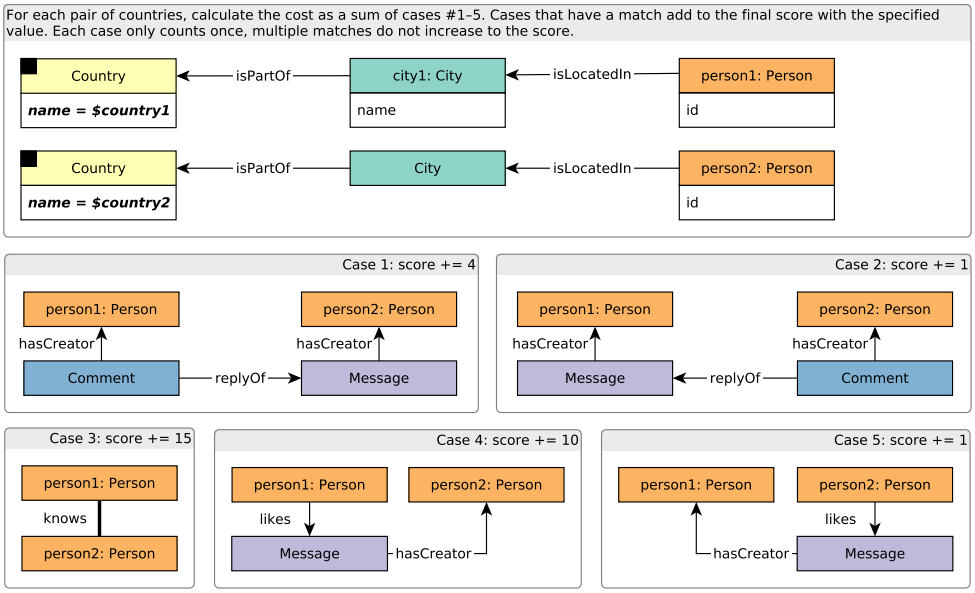
query	BI / read / 14
title	International dialog
pattern	
desc.	Consider all pairs of people `(person1, person2)` such that one is located in a City of Country `country1` and the other is located in a City of Country `country2`. For each City of Country `country1`, return the highest scoring pair. The score of a pair is defined as the sum of the subscores awarded for the following kinds of interaction. The initial value is `score = 0`. 1. `person1` has created a reply Comment to at least one Message by `person2`: `score += 4` 2. `person1` has created at least one Message that `person2` has created a reply to: `score += 1` 3. `person1` and `person2` know each other: `score += 15` 4. `person1` liked at least one Message by `person2`: `score += 10` 5. `person1` has created at least one Message that was liked by `person2`: `score += 1` Consequently, the maximum score a pair can obtain is: `4 + 1 + 15 + 10 + 1 = 31`. This query has two variants based on whether the input parameters are selected as correlated (close countries) or uncorrelated (far countries).
params	1 `country1` Long String — `A`: correlated with parameter `country2`, i.e. the countries are close and there are many Persons visiting both Countries. `B`: uncorrelated with parameter `country2`, i.e. the countries are afar and there are few Persons visiting both Countries. 2 `country2` Long String
result	1 `person1.id` ID R 2 `person2.id` ID R 3 `city1.name` Long String R 4 `score` 32-bit Integer C
sort	1 `score` ↓ 2 `person1.id` ↑ 3 `person2.id` ↑
limit	n/a
CPs	1.3, 1.4, 2.1, 3.1, 3.3, 5.1, 5.2, 5.3, 8.3, 8.4