

BI / read / 14

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query	BI / read / 14			
title	International dialog			
pattern	<p>For each pair of countries, calculate the cost as a sum of cases #1-4. Cases that have a match add to the final score with the specified value. Each case only counts once, multiple matches do not increase to the score.</p> <p>Case 1: score += 4</p> <p>Case 2: score += 1</p> <p>Case 3: score += 10</p> <p>Case 4: score += 1</p>			
description	<p>Consider all pairs of people ($person1$, $person2$) such that (1) they know each other, (2) one is located in a City of $\\$country1$, and (3) the other is located in a City of $\\$country2$. For each City of $\\$country1$, return the highest scoring pair. If there are multiple top-scoring pairs in a city, return the pair with the lowest ($person1.id$, $person2.id$) using a lexicographical ordering.</p> <p>The score of a pair is defined as the sum of the subscores awarded for the following kinds of interaction. The initial value is $score = 0$.</p> <ol style="list-style-type: none"> 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. $person1$ liked at least one Message by $person2$: score += 10 4. $person1$ has created at least one Message that was liked by $person2$: score += 1 <p>Consequently, the maximum score a pair can obtain is: $4 + 1 + 10 + 1 = 16$.</p>			
params	1	$\$country1$	Long String	(a) Correlated with parameter $country2$, i.e. the Countries are close and there are many Persons knowing each other (b) Uncorrelated with parameter $country2$, i.e. the Countries are afar and there are few Persons knowing each other
	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	100			
CPs	1.3, 1.4, 2.1, 3.1, 3.3, 5.1, 5.2, 5.3, 8.3, 8.4			