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## BI / read / 14

BI 1	query	BI / read / 14			
BI 2	title	International dialog			
BI 3	pattern	<p>For each pair of countries, calculate the cost as a sum of cases #1-5. 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>			
BI 4					
BI 5					
BI 6					
BI 7					
BI 8					
BI 9					
BI 10					
BI 11					
BI 12					
BI 13					
BI 14	desc.	<p>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.</p> <ol style="list-style-type: none"> <li>1. person1 has created a reply Comment to at least one Message by person2: score += 4</li> <li>2. person1 has created at least one Message that person2 has created a reply to: score += 1</li> <li>3. person1 and person2 know each other: score += 15</li> <li>4. person1 liked at least one Message by person2: score += 10</li> <li>5. person1 has created at least one Message that was liked by person2: score += 1</li> </ol> <p>Consequently, the maximum score a pair can obtain is: 4 + 1 + 15 + 10 + 1 = 31.</p> <p>This query has two variants based on whether the input parameters are selected as correlated (close countries) or uncorrelated (far countries).</p>			
BI 15					
BI 16					
BI 17					
BI 18					
BI 19					
BI 20					
	params	1	country1	Long String	<p>A: correlated with parameter country2, i.e. the countries are close and there are many Persons visiting both Countries.</p> <p>B: uncorrelated with parameter country2, i.e. the countries are afar and there are few Persons visiting both Countries.</p>
		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			