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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    | A: correlated with parameter country2, i.e. the countries are close and there are many Persons visiting both Countries. |  |
|        | 2  | country2   | Long String    | B: uncorrelated with parameter country2, i.e. the countries are afar and there are few Persons visiting both Countries. |  |
| 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 |  |                |   |  |