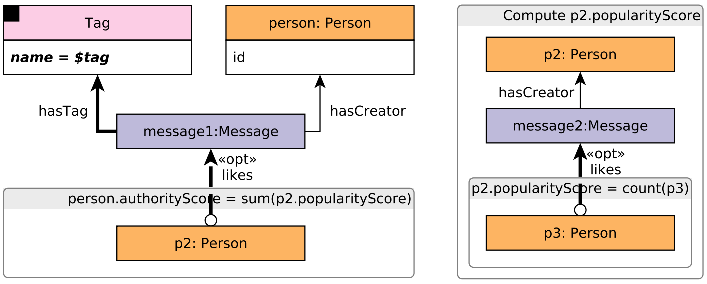
BI 1
BI 2
BI 3
BI 4
BI 5
BI 6
BI 7
BI 8
BI 9
BI 10
BI 11
BI 12
BI 13
BI 14
BI 15
BI 16
BI 17
BI 18
BI 19
BI 20

BI / read / 6

<table>
<tr><td>query</td><td>BI / read / 6</td></tr>
<tr><td>title</td><td>Most authoritative users on a given topic</td></tr>
<tr><td>pattern</td><td>
</td></tr>
<tr><td>desc.</td><td>Given a Tag (tag), find all Persons (person) that ever created a Message with the Tag. For each of these Persons (person) compute their “authority score” as follows:
• The “authority score” is the sum of “popularity scores” of the Persons (p2) that liked any of that Person’s Messages with the given Tag (same criterion as for message1).
• A Person’s (p2) “popularity score” is defined as the total number of likes on all of their Messages (message2).</td></tr>
<tr><td>params</td><td><table><tr><td>1</td><td>tag</td><td>Long String</td><td>Tags with a similar amount of Messages are selected</td></tr></table></td></tr>
<tr><td>result</td><td><table><tr><td>1</td><td>person.id</td><td>ID</td><td>R</td><td></td></tr><tr><td>2</td><td>authorityScore</td><td>32-bit Integer</td><td>A</td><td></td></tr></table></td></tr>
<tr><td>sort</td><td><table><tr><td>1</td><td>authorityScore</td><td>↓</td><td></td></tr><tr><td>2</td><td>person1.id</td><td>↑</td><td></td></tr></table></td></tr>
<tr><td>limit</td><td>100</td></tr>
<tr><td>CPs</td><td>1.2, 2.3, 3.3, 6.1, 8.2</td></tr>
<tr><td>relevance</td><td>Computing the authority scores might involve computing the popularity score for the same Person multiple times. Implementations are advised to avoid such redundant computations.</td></tr>
</table>