

BI / read / 7

BI 1	query	BI / read / 7			
BI 2	title	Most authoritative users on a given topic			
BI 3	pattern	<pre> graph TD Tag[Tag: name = \$tag] M1[message1: Message] M2[message2: Message] M3[message3: Message] P1[person: Person] P2[person2: Person] P[Person] Tag -- hasTag --> M1 M1 -- hasTag --> Tag M1 -- hasCreator --> P1 P1 -- hasCreator --> M2 M2 -- likes --> P2 P2 -- hasCreator --> M3 M3 -- likes --> P2 P2 -- likes --> P P -- likes --> M3 subgraph Loop1 [for each person, calculate authorityScore = sum(popularityScore)] M2 P2 end subgraph Loop2 [for each person2, calculate: popularityScore = count] P end </pre>			
BI 4					
BI 5					
BI 6					
BI 7					
BI 8					
BI 9					
BI 10	desc.	<p>Given a Tag, find all Persons (person) that ever created a Message (message1) with the given Tag. For each of these Persons (person) compute their “authority score” as follows:</p> <ul style="list-style-type: none"> The “authority score” is the sum of “popularity scores” of the Persons (person2) that liked any of that Person’s Messages (message2) with the given Tag. A Person’s (person2) “popularity score” is defined as the total number of likes on all of their Messages (message3). 			
BI 11					
BI 12					
BI 13					
BI 14					
BI 15					
BI 16					
BI 17					
BI 18	params	1	tag	String	
BI 19					
BI 20	result	1	person.id	64-bit Integer	R
BI 21		2	authorityScore	32-bit Integer	A
BI 22	sort	1	authorityScore	↓	
BI 23		2	person1.id	↑	
BI 24	limit	100			
BI 25	CPs	1.2, 2.3, 3.2, 3.3, 6.1, 8.2			