BI / read / 6

BI 1		

BI 1	query	BI / read / 6
BI 2	title	Most authoritative users on a given topic
BI 3		
BI 4		
BI 5		
BI 6	pattern	
BI 7		
BI 8		
BI 9		
BI 10		
BI 11		
BI 12	description	Given a $tag, find all Persons (person1) that ever created a Message with the $tag. For each of these Persons (person1) compute their "authority score" as follows: • The "authority score" is the sum of "popularity scores" of the Persons (person2) that liked any of that Person's Messages with the given $tag (same criterion as for message1). • A Person's (person2) "popularity score" is defined as the total number of likes (by any Person person3) on any of their Messages (message2).
BI 13		
BI 14		
BI 15		
BI 16		
BI 17		
BI 18		
BI 19		
BI 20		

params				
	1	$tag	Long String	Tags with a similar amount of Messages are selected. To avoid caching, different Tags should be used than the ones in Q5 and Q7.

result				
	1	person1.id	ID	R
	2	authorityScore	32-bit Integer	A

sort			
	1	authorityScore	↓
	2	person1.id	↑

limit	100
CPs	1.2, 2.3, 2.6, 3.3, 6.1, 8.2
relevance	Computing the authority scores might involve computing the popularity score for the same Person multiple times. Implementations are advised to avoid such redundant computations.