

## BI / read / 5

query	BI / read / 5				
title	Most active posters of a given topic				
pattern	<pre>graph LR     Tag[Tag: name = \$tag]     Person[Person: id]     Message[Message: m: Message]     Comment[Comment: comment: Comment]      Person -- hasTag --&gt; Tag     Person -- hasCreator --&gt; Message     Person -. "likes" .-&gt; Message     Comment -. "replyOf" .-&gt; Message      subgraph PersonBox [Person]         direction TB         P_LikeCount["likeCount = count(likers)"]         P_Liker[liker: Person]     end      subgraph MessageBox [Message]         direction TB         M_MessageCount["messageCount = count(m)"]     end      subgraph CommentBox [Comment]         direction TB         C_ReplyCount["replyCount = count(comment)"]     end      P_Liker -.-&gt; likes  MessageBox     CommentBox -.-&gt; replyOf  MessageBox      Formula["person.score = 1×messageCount + 2×replyCount + 10×likeCount"]</pre>				
desc.	<p>Get each Person (person) who has created a Message (message) with a given Tag (direct relation, not transitive). Considering only these Messages, for each Person node:</p> <ul style="list-style-type: none"><li>Count its messages (messageCount).</li><li>Count likes (likeCount) to its messages.</li><li>Count Comments (replyCount) in reply to it messages.</li></ul> <p>The score is calculated according to the following formula: <math>1 \times \text{messageCount} + 2 \times \text{replyCount} + 10 \times \text{likeCount}</math>.</p>				
params	1	tag	Long String	Tags with a similar amount of Messages are selected	
result	1	person.id	ID	R	
	2	replyCount	32-bit Integer	A	
	3	likeCount	32-bit Integer	A	
	4	messageCount	32-bit Integer	A	
	5	score	32-bit Integer	A	
sort	1	score	↓		
	2	person.id	↑		
limit	100				
CPs	1.2, 2.3, 8.2				