

BI / read / 18

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

query	BI / read / 18			
title	Friend recommendation			
pattern	<div><div>For each person1 compute top-k(person2) based on mutualFriendCount</div><div><div><div><div>person1: Person</div><div>id = \$person1Id</div><div>«neg» knows</div></div><div>knows</div><div><div>Person</div><div>mutualFriendCount = count(*)</div></div><div>knows</div><div><div>person2: Person</div><div>≠ person1</div><div>id</div></div><div><div>hasInterest</div><div><div>tag: Tag</div><div>name = \$tag</div></div></div></div></div></div>			
desc.	<div>For a given Person (person1) and a Tag (tag), recommend new friends (person2) who</div> <ul style="list-style-type: none"><li>• do not yet know person1</li><li>• have many mutual friends with person1</li><li>• are interested in tag.</li></ul> <div>Rank Persons person2 based on the number of mutual friends.</div>			
params	<div><div>1</div>person1Id</div>	ID	Persons with a similar amount of friends are selected	
	<div><div>2</div>tag</div>	Long String	Tags with a similar amount of Messages are selected	
result	<div><div>1</div>person2.id</div>	ID	R	
	<div><div>2</div>mutualFriendCount</div>	32-bit Integer	A	
sort	<div><div>1</div>mutualFriendCount</div>	↓		
	<div><div>2</div>person2.id</div>	↑		
limit	20			
CPs	2.5, 8.1			