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query	BI / read / 18				
title	Friend recommendation				
pattern	<div><div>For each person1 compute top-k(person2) based on mutualFriendCount</div><pre>graph LR person1[person1: Person] -- knows --> Person[Person] Person -- knows --> person2[person2: Person] person1 -. «neg» knows .-> person2 Person -- hasInterest --> tag[tag: Tag] tag -- name = \$tag</pre></div>				
desc.	<p>For a given Person (person1) and a Tag (tag), recommend new friends (person2) who</p> <ul style="list-style-type: none">• do not yet know person1• have many mutual friends with person1• are interested in tag. <p>Rank Persons person2 based on the number of mutual friends.</p>				
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				