

BI / read / 18

BI 1  
BI 2  
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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>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>tag: Tag</div><div>name = \$tag</div></div><div>hasInterest</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><div>person1Id</div><div>ID</div></div>	<div>Persons with a similar amount of friends are selected</div>			
	<div><div>2</div><div>tag</div><div>Long String</div></div>	<div>Tags with a similar amount of Messages are selected</div>			
result	<div><div>1</div><div>person2.id</div><div>ID</div></div>	R			
	<div><div>2</div><div>mutualFriendCount</div><div>32-bit Integer</div></div>	A			
sort	<div><div>1</div><div>mutualFriendCount</div><div>↓</div></div>				
	<div><div>2</div><div>person2.id</div><div>↑</div></div>				
limit	20				
CPs	2.5, 8.1				