

BI / read / 18

BI 1
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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><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> <div><div><div>• do not yet know person1</div><div>• have many mutual friends with person1</div><div>• are interested in tag.</div></div></div> <div>Rank Persons person2 based on the number of mutual friends.</div>			
params	<div><div><div>1</div>person1Id</div><div>ID</div><div>Persons with a similar amount of friends are selected</div></div> <div><div><div>2</div>tag</div><div>Long String</div><div>Tags with a similar amount of Messages are selected</div></div>			
result	<div><div><div>1</div>person2.id</div><div>ID</div><div>R</div><div></div></div> <div><div><div>2</div>mutualFriendCount</div><div>32-bit Integer</div><div>A</div><div></div></div>			
sort	<div><div><div>1</div>mutualFriendCount</div><div>↓</div><div></div></div> <div><div><div>2</div>person2.id</div><div>↑</div><div></div></div>			
limit	20			
CPs	2.5, 8.1			