

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>For each person1 compute top-k(person2) based on mutualFriendCount</div> <pre>graph LR     person1["person1: Person id = \$person1Id"]     central["Person mutualFriendCount = count(*)"]     person2["person2: Person ≠ person1 id"]     tag["tag: Tag name = \$tag"]      person1 -.-&gt; «neg» knows  central     central -.-&gt; knows  person2     person2 -- hasInterest --&gt; tag</pre>				
desc.	<p>For a given Person (person1) and a Tag (tag), recommend new friends (person2) who</p> <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> <p>Rank Persons person2 based on the number of mutual friends.</p>				
params	<div><div>1</div><div>person1Id</div><div>ID</div><div>Persons with a similar amount of friends are selected</div></div> <div><div>2</div><div>tag</div><div>Long String</div><div>Tags with a similar amount of Messages are selected</div></div>				
result	<div><div>1</div><div>person2.id</div><div>ID</div><div>R</div><div></div></div> <div><div>2</div><div>mutualFriendCount</div><div>32-bit Integer</div><div>A</div><div></div></div>				
sort	<div><div>1</div><div>mutualFriendCount</div><div>↓</div><div></div></div> <div><div>2</div><div>person2.id</div><div>↑</div><div></div></div>				
limit	20				
CPs	2.5, 8.1				