BI / read / 18

BI 1	query	BI / read / 18
BI 2	title	Friend recommendation
BI 3 BI 4 BI 5 BI 6 BI 7 BI 8 BI 9 BI 10	pattern	For each person1 compute top-k(person2) based on mutualFriendCount tag: Tag name = \$tag hasInterest mutualFriendCount = count(*) person1: Person id «neg» knows knows lid «neg» knows
BI 12 BI 13 BI 14 BI 15 BI 16 BI 17 BI 18	desc.	For a given Tag (tag), for each person1 interested in tag, recommend new friends (person2) who • do not yet know person1 • at least one mutual friend with person1 • are also interested in tag. Rank Persons person2 based on the number of mutual friends with person1.
BI 19 BI 20	params	1 tag Long String Tags with a similar amount of Persons are selected
	result	1 person1.id ID R 2 person2.id ID R 3 mutualFriendCount 32-bit Integer A
	sort	<pre>1 mutualFriendCount ↓ 2 person1.id ↑ 3 person2.id ↑</pre>
	limit	20
	CPs	2.5, 8.1