

Interactive / complex / 5

IC 1	query	Interactive / complex / 5				
IC 2	title	New groups				
IC 3	pattern					
IC 4						
IC 5						
IC 6						
IC 7						
IC 8						
IC 9		<p>Given a start Person with ID \$personId, denote their friends and friends of friends (excluding the start Person) as otherPerson.</p>				
IC 10		<p>Find Forums that any Person otherPerson became a member of after a given date (\$minDate). For each of those Forums, count the number of Posts that were created by the Person otherPerson.</p>				
IC 11	params	1	\$personId	ID		
IC 12		2	\$minDate	Date		
IC 13	result	1	forum.title	Long String	R	
IC 14v1		2	postCount	32-bit Integer	A	
IC 14v2	sort	1	postCount	\downarrow		
		2	forum.id	\uparrow		
limit	20					
CPs	2.3, 3.3, 8.2, 8.5					
	relevance	<p>This query looks for paths of length two and three, starting from a given Person, moving to friends and friends of friends, and then getting the Forums they are members of. Besides testing the ability of the query optimizer to select the proper join operator, it rewards the usage of indices, but their accesses will be presumably scattered due to the two/three-hop search space of the query, leading to unpredictable and scattered index accesses. Having efficient implementations of such indices will be highly beneficial.</p>				