

## Interactive / complex / 13

IC 1	query	Interactive / complex / 13			
IC 2	title	Single shortest path			
IC 3	pattern				
IC 6	desc.	<p>Given two Persons, find the shortest path between these two Persons in the subgraph induced by the knows relationships. Return the length of this path:</p> <ul style="list-style-type: none"> <li>• -1: no path found</li> <li>• 0: start person = end person</li> <li>• &gt; 0: path found (start person ≠ end person)</li> </ul>			
IC 10	params	1	person1Id	ID	
IC 14		2	person2Id	ID	
	result	1	shortestPathLength	32-bit Integer	C
	CPs	3.3, 7.2, 7.3, 7.5, 8.1, 8.6			
	relevance	<p>This query looks for a variable length path, starting at a given Person and finishing at an another given Person. Proper cardinality estimation and search space pruning, will be crucial. This query also allows for possible parallel implementations.</p>			