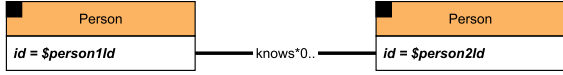


Interactive / complex / 13

IC 1	query	Interactive / complex / 13			
IC 2	title	Single shortest path			
IC 3	pattern				
IC 6	description	<p>Given two Persons with IDs \$person1Id and \$person2Id, find the shortest path between these two Persons in the subgraph induced by the knows edges. Return the length of this path:</p> <ul style="list-style-type: none"> • -1: no path found • 0: start person = end person • > 0: path found (start person ≠ end person) 			
IC 13	params	1	\$person1Id	ID	<p>In SNB Interactive v2, this query has two variants:</p> <p>(b) Guaranteed that there is no path between the two Persons</p> <p>(b) Guaranteed that there is a 4-hop path between the two Persons</p>
IC 14v1		2	\$person2Id	ID	
IC 14v2	result	1	shortestPathLength	32-bit Integer	C
	CPs	3.3, 7.2, 7.3, 7.5, 7.8, 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>			