Interactive / complex / 13

IC 1	query	Interactive / complex / 13
IC 2	title	Single shortest path
IC 3 IC 4 IC 5	pattern	Person
IC 6 IC 7 IC 8		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:
IC 9 IC 10 IC 11 IC 12	description	 -1: no path found 0: start person = end person >0: path found (start person ≠ end person)
IC 13 IC 14v1 IC 14v2	params	In SNB Interactive v2, this query has two variants: (b) Guaranteed that there is no path between the two Persons (b) Guaranteed that there is a 4-hop path between the two Persons 2 \$person2Id ID
	result	1 shortestPathLength 32-bit Integer C
	CPs	3.3, 7.2, 7.3, 7.5, 7.8, 8.1, 8.6
	relevance	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.