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BI 1	query	BI / read / 20			
BI 2	title	Recruitment			
BI 3	pattern	 <p>The diagram illustrates the query pattern. It shows a company: Company node with a property name = \$company. A person1: Person node is connected to the company via a workAt edge. A person2: Person node is connected to person1 via a shortest path on knows.weight edge, with a constraint id = \$person2Id. A separate sub-diagram shows the knows edge weight calculation: knows.weight: abs(saA.classYear - saB.classYear) + 1. It depicts personA: Person and personB: Person nodes connected by a knows edge. Both persons have a studyAt edge pointing to a University node. The weight of the knows edge is determined by the absolute difference in their classYear attributes plus one.</p>			
BI 10	desc.	<p>Given a Company company and a Person person2 (who is known to be working at another Company), find a different Person (person1) who works in company and is reachable by from person2 through people who have studied together. On this path, we only consider edges between Persons who know each other and attended the same university and set the weight of the edge to the absolute difference between the year of enrolment plus 1 (studyAt.classYear + 1). We return the 20 shortest paths.</p> <p>If there are multiple Person person1 nodes with the same shortest path, return all of them.</p>			
BI 17	params	1	company	Long String	Companies with a similar number of employees (former or current) are selected
BI 18		2	person2Id	ID	
BI 19	result	1	person1.id	ID	R
BI 20		2	totalWeight	64-bit Integer	C
	sort	1	totalWeight	↑	
		2	person1.id	↑	
	limit	20			
	CPs	3.3, 7.6, 7.7, 8.4, 8.6			
	relevance	Implementations can either pre-compute edge weights or compute them on-the-fly. To find a weighted shortest path efficiently, implementations can use e.g. a bidirectional Dijkstra algorithm.			