BI / read / 20

BI 1	query	BI / read / 20
BI 2	title	Recruitment
BI 3 BI 4 BI 5 BI 6 BI 7 BI 8 BI 9	pattern	company: Company name = \$company workAt person1: Person shortest path on knows.weight person2: Person shortest path on knows.weight id = \$person2!d
BI 10 BI 11 BI 12 BI 13 BI 14 BI 15 BI 16 BI 17 BI 18 BI 19 BI 20	desc.	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. If there are multiple Person person1 nodes with the same shortest path, return all of them.
	params	1 company Long String Companies with a similar number of employees (former or current) are selected 2 person2Id ID
	result	1 person1.id ID R 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.