BI / read / 20

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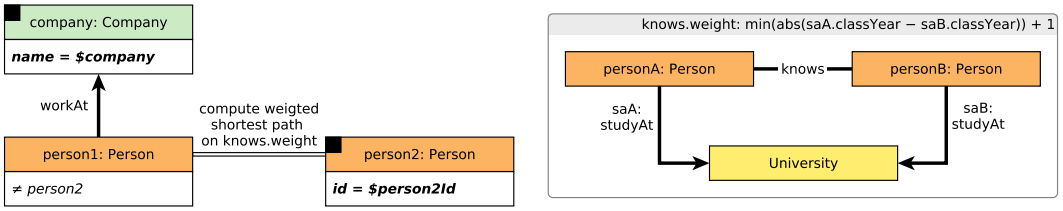
query	BI / read / 20
title	Recruitment
pattern	
desc.	Given a Company `company` and a Person `person2` (who is not working and has not worked at `company`), find a different Person (`person1`) who works or at some point worked in `company` and is reachable by from `person2` through people who have studied 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`). If the Persons attended multiple universities, we select the smallest (`min`) value. 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 — `person2` is selected so that there is no direct (1-hop) path to any `person1` working at `company`
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 the (weighted) shortest path efficiently, can use e.g. a bidirectional Dijkstra algorithm.