







Query

SELECT



SELECT c.person_id, c.peer_id, c.timestamp, c.distance FROM contact c

For each pair of persons, find the contact interval when there were detected at least once in a minute in a distance of less than 5 meters.

—time——	5 7	12 14 17 1	19 26	3B2 (C)	38 4041
	5 5	12 12 12	12 26	3131	38 3838
	0 2	0 2 5	7 0	0 1	0 23
	5	12	12 26	31	38
	2	2	7 0	1	3
			12		38
			7		3



















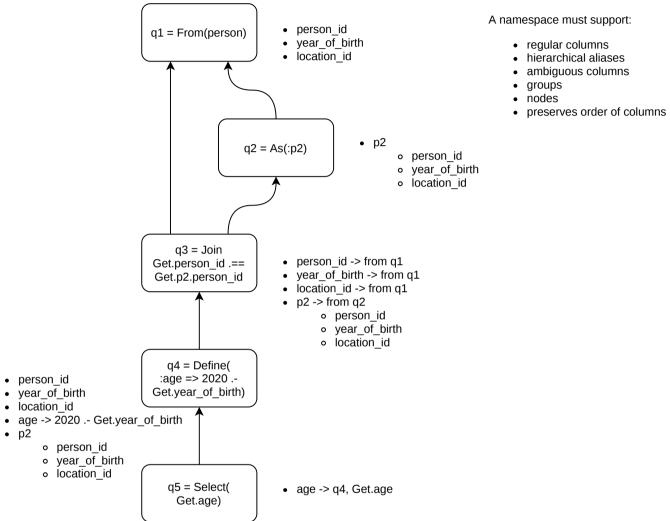




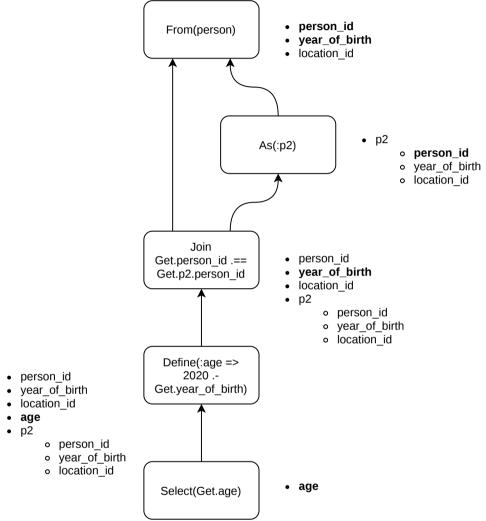




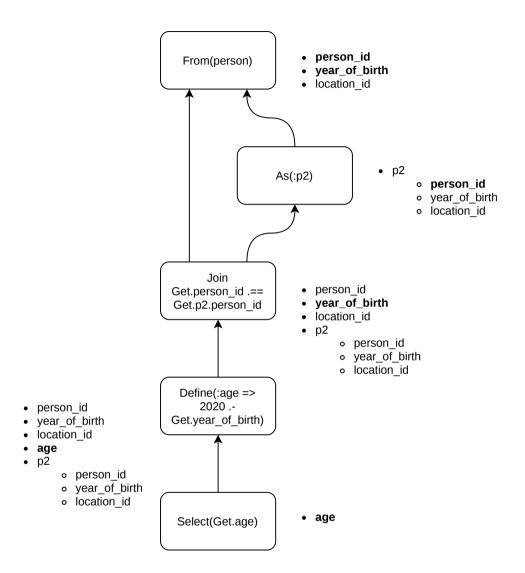
Generate a namespace for each node

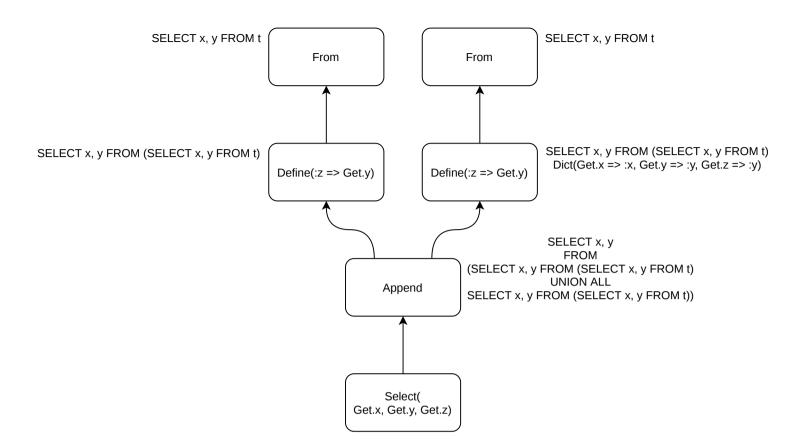


Generate an order for each node



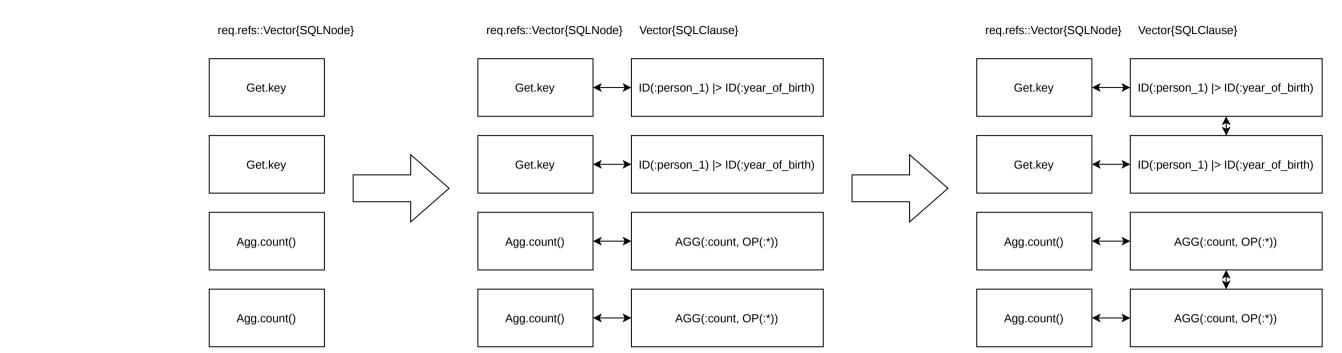
Generate an order for each node





Generate clauses

Find duplicate clauses



Generate column aliases

From(person)

Group(

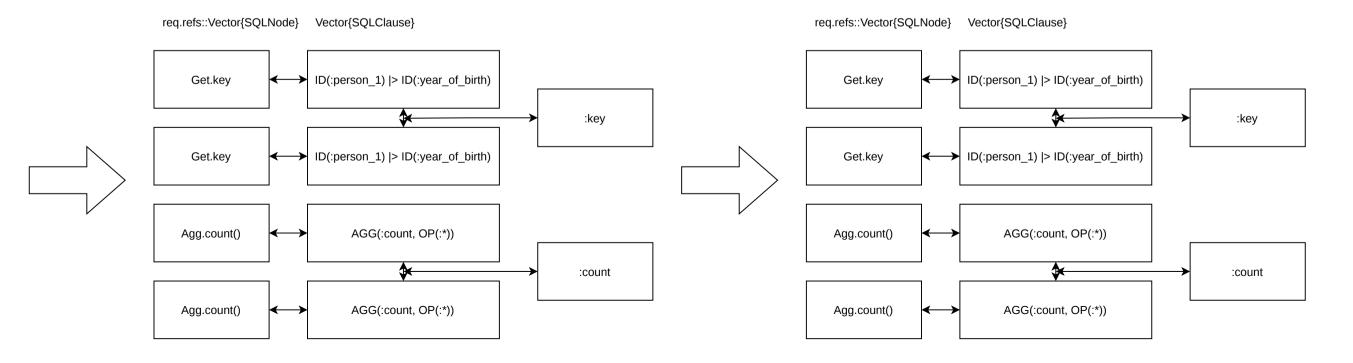
:key =>

Get.year_of_birth)

Select(:a => Get.key,

:b => Get.key, :c => Agg.count(), :d => Agg.count())

Make column aliases unique



Generate a subquery object and replacement map

