## Interactive / complex / 11

IC 1
IC 2
IC 3
IC 4
IC 5
IC 6
IC 7
IC 8
IC 9
IC 10
IC 11
IC 12
IC 13
IC 14

query	Interactive / complex / 11						
title	Job referral						
pattern	Person  id = \$id  knows*12  person: Person  id firstName lastName  workAt  year(.worksFrom) < \$year  Organisation  name  isLocatedIn  Country  name = \$name						
desc.	Given a start Person, find that Person's friends and friends of friends (excluding start Person) who started working in some Company in a given Country, before a given date (year).						
params		2 Country.name String count			sonId ntryName kFromYear		
result	3 Person.lastName 4 Person-workAt-x	Person.id  Person.firstName  Person.lastName  Person-workAt->Organisation.name  Person-workAt->.worksFrom		ID String String String 32-bit Integer	R R R R	personId  personFirstName  personLastName  organizationName  organizationWorkFromYear	
sort	<pre>1 Person-workAt-&gt;.worksFrom 2 Person.id 3 Person-workAt-&gt;Organisation.name</pre>		ame	† † † † † † † † † † † † † † † † † † †			
limit	10						
CPs	1.3, 2.3, 2.4, 3.3						
relevance	This query looks for paths of length two or three, starting from a Person, moving to friends or friends of friends, and ending at a Company. In this query, there are selective joins and a top-k order by that can be exploited for optimizations.						