

Interactive / complex / 10

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

query	Interactive / complex / 10																																													
title	Friend recommendation																																													
pattern	<div><div><div><div>person: Person</div><div>$id = \\$personId$</div></div><div><div>foaf: Person</div><div>$(month(birthday) = \\$month \text{ and } day(birthday) \geq 21) \text{ or } (month(birthday) = \\$month+1 \text{ and } day(birthday) < 22)$</div><div>id firstName lastName gender</div></div><div><div>city: City</div><div>name</div></div><div>knows*2..2</div><div>isLocatedIn</div></div><div><div><div>common</div><div><div><div>person: Person</div><div>hasInterest</div><div>Tag</div></div><div><div>foaf: Person</div><div>hasCreator</div><div><div>count</div><div>Post</div></div><div>hasTag</div></div></div><div>uncommon</div><div><div><div>person: Person</div><div><div>«neg» hasInterest</div></div><div>Tag</div></div><div><div>foaf: Person</div><div>hasCreator</div><div><div>count</div><div>Post</div></div><div>hasTag</div></div></div></div></div><tr><td>desc.</td><td colspan="5"><p>Given a start Person with id <code>personId</code>, find that Person’s friends of friends (<code>foaf</code>) – excluding the start Person and his/her immediate friends –, who were born on or after the 21st of a given month (in any year) and before the 22nd of the following month. 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Implementations may also pass the next month as an additional <code>nextMonth</code> parameter</div></td></tr><tr><td>result</td><td><div><div>1</div><div>foaf.id</div><div>ID</div><div>R</div></div><div><div>2</div><div>foaf.firstName</div><div>String</div><div>R</div></div><div><div>3</div><div>foaf.lastName</div><div>String</div><div>R</div></div><div><div>4</div><div>commonInterestScore</div><div>32-bit Integer</div><div>A</div></div><div><div>5</div><div>foaf.gender</div><div>String</div><div>R</div></div><div><div>6</div><div>city.name</div><div>String</div><div>R</div></div></td><td colspan="3"></td></tr><tr><td>sort</td><td><div><div>1</div><div>commonInterestScore</div><div>↓</div></div><div><div>2</div><div>foaf.id</div><div>↑</div></div></td><td colspan="4"></td></tr><tr><td>limit</td><td colspan="5">10</td></tr><tr><td>CPs</td><td colspan="5">2.3, 3.3, 4.1, 4.2, 5.1, 5.2, 6.1, 7.1, 8.6</td></tr><tr><td>relevance</td><td colspan="5"><p>This query looks for paths of length two, starting from a Person and ending at the friends of their friends. 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