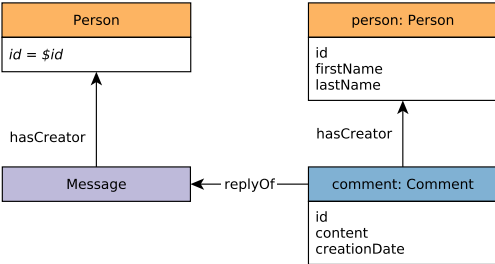


Interactive / complex / 8

query	Interactive / complex / 8																																		
title	Recent replies																																		
pattern																																			
desc.	Given a start Person, find (most recent) Comments that are replies to Messages of the start Person. Only consider immediate (1-hop) replies, not the transitive (multi-hop) case. Return the reply Comments, and the Person that created each reply Comment.																																		
params	<div><div>1</div><div>Person.id</div><div>ID</div><div></div></div>																																		
result	<table><tr><td>1</td><td>Person.id</td><td>ID</td><td>R</td><td></td></tr><tr><td>2</td><td>Person.firstName</td><td>String</td><td>R</td><td></td></tr><tr><td>3</td><td>Person.lastName</td><td>String</td><td>R</td><td></td></tr><tr><td>4</td><td>Comment.creationDate</td><td>DateTime</td><td>R</td><td></td></tr><tr><td>5</td><td>Comment.id</td><td>ID</td><td>R</td><td></td></tr><tr><td>6</td><td>Comment.content</td><td>String</td><td>R</td><td></td></tr></table>					1	Person.id	ID	R		2	Person.firstName	String	R		3	Person.lastName	String	R		4	Comment.creationDate	DateTime	R		5	Comment.id	ID	R		6	Comment.content	String	R	
1	Person.id	ID	R																																
2	Person.firstName	String	R																																
3	Person.lastName	String	R																																
4	Comment.creationDate	DateTime	R																																
5	Comment.id	ID	R																																
6	Comment.content	String	R																																
sort	<table><tr><td>1</td><td>Comment.creationDate</td><td>↓</td><td></td></tr><tr><td>2</td><td>Comment.id</td><td>↑</td><td></td></tr></table>					1	Comment.creationDate	↓		2	Comment.id	↑																							
1	Comment.creationDate	↓																																	
2	Comment.id	↑																																	
limit	20																																		
CPs	2.4, 3.2, 3.3, 5.3																																		
relevance	This query looks for paths of length two, starting from a given Person, going through its created Messages and finishing at their replies. In this query there is temporal locality between the replies being accessed. Thus the top k order by this can interact with the selection, i.e. do not consider older posts than the 20th oldest seen so far.																																		