

## Interactive / complex / 8

IC 1

IC 2

IC 3

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query	Interactive / complex / 8				
title	Recent replies				
pattern					
desc.	Given a start Person, find the most recent Comments that are replies to Messages of the start Person. Only consider direct (single-hop) replies, not the transitive (multi-hop) ones. Return the reply Comments, and the Person that created each reply Comment.				
params	<div><div>1</div><div>personId</div><div>ID</div><div></div></div>				
result	<div>1</div>	commentAuthor.id	ID	R	
	<div>2</div>	commentAuthor.firstName	String	R	
	<div>3</div>	commentAuthor.lastName	String	R	
	<div>4</div>	comment.creationDate	DateTime	R	
	<div>5</div>	comment.id	ID	R	
	<div>6</div>	comment.content	Text	R	
sort	<div>1</div>	comment.creationDate	↓		
	<div>2</div>	comment.id	↑		
limit	20				
CPs	2.4, 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.				