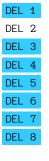
DEL	1
DEL	2
DEL	3
DEL	4
DEL	5
DEL	6
DEL	7
DEL	8

query	BI / delete / 1		
title	Remove person and its personal forums and message (sub)threads		
pattern	Person   Section   Person   Person   Id = \$personId   Person   Pe		
	Message  b invoke delete operation 6 (Posts) or operation 7 (Comments)  hasCreator  hasModerator  hasModerator  b invoke delete operation 4		
desc.	Remove a Person and its edges (isLocatedIn, studyAt, workAt, hasInterest, likes, knows, hasMember, hasModerator, hasCreator). Additionally, remove the Album and Wall Forums whose moderator is the Person and remove all Messages the Person has created in the rest of the Forums (Groups).		
params	1 personId   ID		
CPs	9.3, 9.4, 9.5		
relevance	<ul> <li>Removal of a Person removes Forums of type "Walls" and "Albums" but not "Groups", which can continue if even the founder has left the network. For Groups, the hasModerator edge is deleted. We have discussed various approaches to appoint a new moderator, e.g.</li> <li>1. choose member at random from the set of existing group members or</li> <li>2. the member with the oldest group join date becomes the moderator. However, to keep the generator and the workload simple, currently no moderator is selected, leaving the group without a moderator.</li> <li>Removal of a Person removes all Posts/Comments they are creator of this could result in the removal of a Comment in the middle of a thread.</li> </ul>		

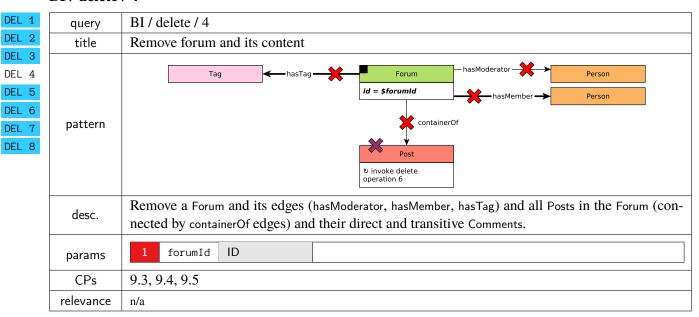
### BI / delete / 2



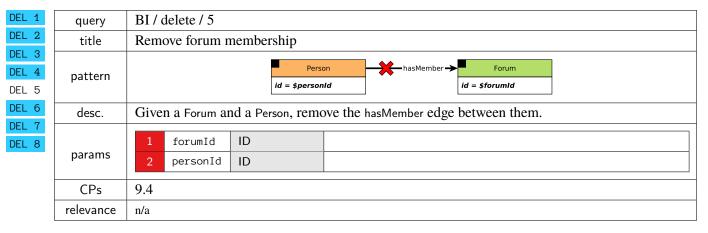
query	BI / delete / 2		
title	Remove post like		
pattern	Person  id = \$personId  id = \$postId		
desc.	Given a Person and a Post, remove the likes edge between them.		
params	1 personId ID 2 postId ID		
CPs	9.4		
relevance	Removal of a likes edge is a rare event, e.g. people accidently liking a Post, this can be reflected by the relative frequency of the operation.		

DEL 1	query	BI / delete / 3	
DEL 2	title	Remove comment like	
DEL 3			
DEL 4	pattern	Person   Comment	
DEL 5	•	id = \$personId	
DEL 6	desc.	Given a Person and a Comment, remove the likes edge between them.	
DEL 7			
DEL 8		1 personId   D	
	params	2 commentId ID	
	CPs	9.4	
	relevance	Removal of a likes edge is a rare event, e.g. people accidently liking a Comment, this can be reflected by the relative frequency of the operation.	

### BI / delete / 4



### BI / delete / 5



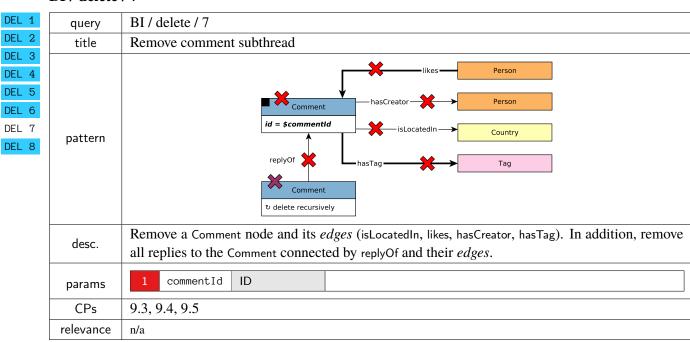
DEL 1	query	BI / delete / 6
DEL 2	title	Remove post thread
DEL 3		
DEL 4		likes Person
DEL 5		
DEL 6		Forum Person Person
DEL 7		id = \$postid isLocatedIn → Country
DEL 8	pattern	↑ <b> </b> • • • • • • • • • • • • • • • • • • •
	-	replyOf hasTag Tag
		Comment
		ง invoke delete
		operation 7
		Remove a Post node and its edges (isLocatedIn, likes, hasCreator, hasTag, containerOf). Remove all
	desc.	replies to the Post and the connecting replyOf edges. In addition, remove all transitive reply Com-
	dese.	ments to the Post and their edges.
		ments to the rost and their edges.
	params	1 postId ID
	Parairis	

### BI / delete / 7

 $\mathsf{CPs}$ 

relevance

9.3, 9.4, 9.5



DEL 1	query	BI / delete / 8	
DEL 2	title	Remove friendship	
DEL 3 DEL 4 DEL 5	pattern	Person id = \$person1ld id = \$person2ld	
DEL 6	desc.	Given two Person nodes, remove the knows edge between them.	
DEL 8	params	1 person1Id  D   2 person2Id  D	
	CPs	9.4	
	relevance	n/a	