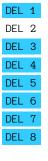
DEL	1	
DEL	2	
DEL	3	
DEL	4	
DEL	5	
DEL	6	
DEL	7	
DEL	8	

query	BI / delete / 1		
title	Remove person and its personal forums and message (sub)threads		
pattern	Message  Person  Person  id = \$personId  Company  WorkAt  HasMember  (Group/Album/Wall)  Wessage  hasCreator  hasModerator  Forum (Group)  Forum (Group)  Name of electer  (Album/Wall)  Name of electer  Name of		
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>		

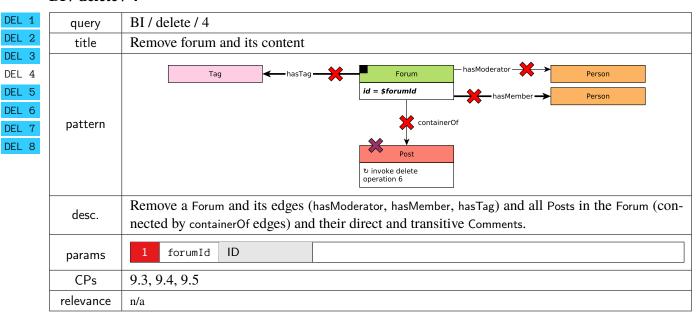
### BI / delete / 2



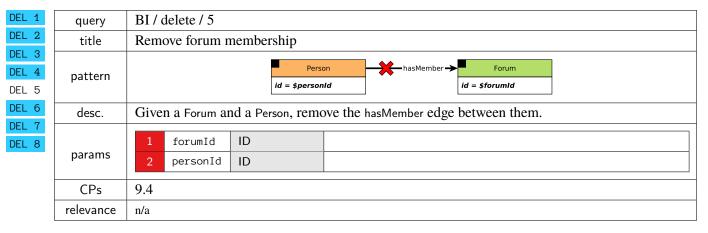
query	BI / delete / 2		
title	Remove post like		
pattern	Person  id = \$personId  id = \$postId		
desc.	Given a Person and a Post, remove the likes edge between them.		
params	1 personId ID 2 postId ID		
CPs	9.4		
relevance	Removal of a likes edge is a rare event, e.g. people accidently liking a Post,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



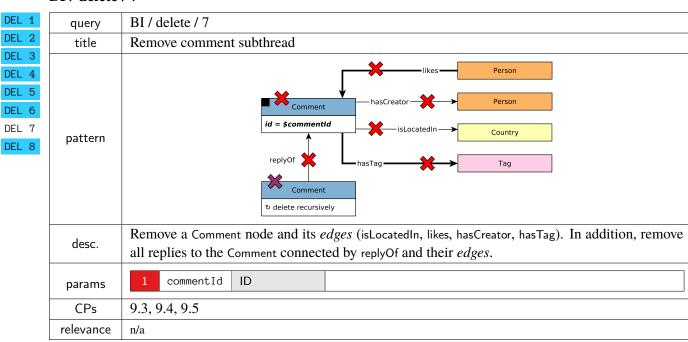
DEL 1	query	BI / delete / 6
DEL 2	title	Remove post thread
DEL 3 DEL 4 DEL 5		likes — Person  hasCreator — Person
DEL 6		Forum containerOf Post  id = \$postId isLocatedIn Country
DEL 8	pattern	replyOf hasTag Tag
		Comment  U invoke delete operation 7
	desc.	Remove a Post node and its edges (isLocatedIn, likes, hasCreator, hasTag, containerOf). Remove all replies to the Post and the connecting replyOf edges. In addition, remove all transitive reply Comments to the Post and their edges.
	params	1 postId ID

### 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	