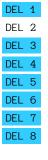
DEL	1	
DEL	2	
DEL	3	
DEL	4	
DEL	5	
DEL	6	
DEL	7	
DEL	8	

query	BI / delete / 1		
title	Remove person and its personal forums and message (sub)threads		
pattern	Message Iikes hasInterest Tag Person knows Person id = \$personId		
	Company workAt hasMember (Group/Album/Wall) University studyAt hasModerator (Group) Message hasCreator (Album/Wall)		
	v invoke delete operation 6 (Posts) or operation 7 (Comments)		
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	 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. 1. choose member at random from the set of existing group members or 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. 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. 		

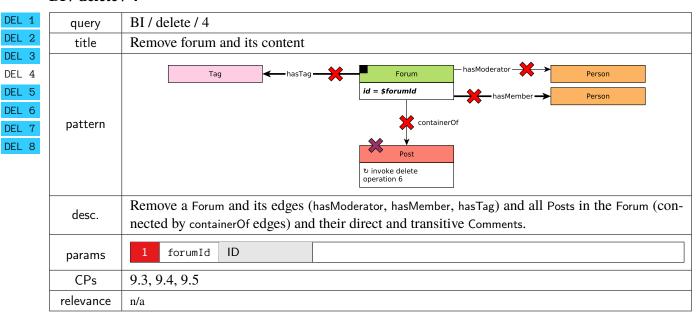
BI / delete / 2



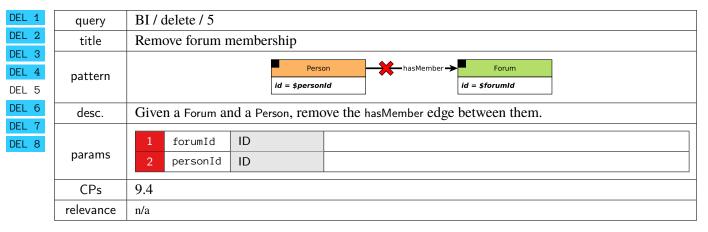
query	BI / delete / 2		
title	Remove post like		
pattern	Person id = \$personId id = \$postId		
desc.	Given a Person and a Post, remove the likes edge between them.		
params	1 personId ID 2 postId ID		
CPs	9.4		
relevance	Removal of a likes edge is a rare event, e.g. people accidently liking a Post,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



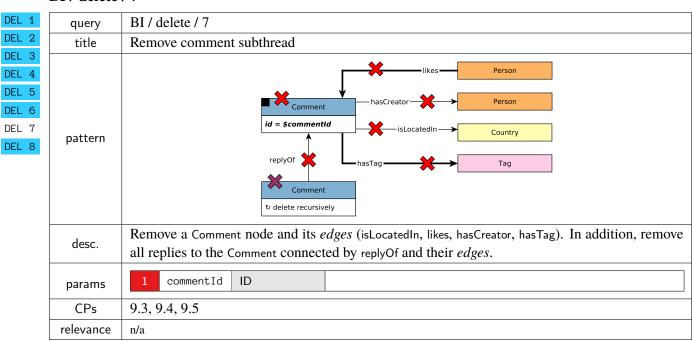
DEL 1	query	BI / delete / 6
DEL 2		
DEL 3	title	Remove post thread
DEL 4		likes Person
DEL 5		
DEL 6		Forum Post Post Person
DEL 7		id = \$postId
DEL 8	pattern	
		replyOf hasTag Tag
		Comment
		⊍ invoke delete operation 7
		Remove a Post node and its edges (isLocatedIn, likes, hasCreator, hasTag, containerOf).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

BI / delete / 7

 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 ID 2 person2Id ID		
	CPs	9.4		
	relevance	n/a		