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

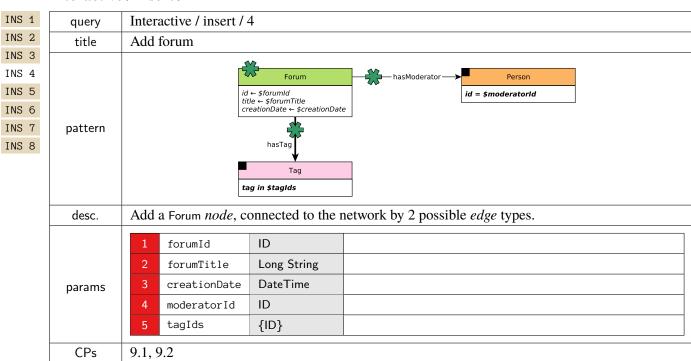
query	Interactive / insert / 1					
title	Add person					
pattern	City  id = \$cityId  Tag  id in \$tagIds	id ← \$personId firstName ← \$person lastName ← \$lastNar gender ← \$gender birthday ← \$birthday creationDate ← \$cree locationIP ← \$locatio browserUsed ← \$bro {speaks} ← \$languar {email} ← \$emails	FirstName ne ationDate nIP wserUsed	studyAt classYear ← \$studyAt[i].classYear} workAt workFrom ← \$workAt[j].workFrom}	University  id = \$studyAt[i].universityId  Company  id = \$workAt[j].companyId	
desc.	Add a Person node, conr	nected to the net	work by 4 p	ossible <i>edge</i> types.		
params	1 personId 2 personFirstName 3 personLastName 4 gender 5 birthday 6 creationDate 7 locationIP 8 browserUsed 9 cityId 10 languages 11 emails 12 tagIds 13 studyAt 14 workAt	ID String String String Date DateTime String ID {String} {Long String} {ID} {		tyId, classYear>}		
CPs	9.1, 9.2					

# Interactive / insert / 2

INS 1	query	Interactive / insert / 2				
INS 2	title	Add like to post				
INS 3		likes Doort				
INS 4	pattern	(creationDate ← \$creationDate)				
INS 5	-	id = \$personId				
INS 6	desc.	Add a likes <i>edge</i> to a Post.				
INS 7						
INS 8		1 personId ID				
	params	2 postId ID				
		3 creationDate DateTime				
	CPs	9.2				

INS 1	query	Interactive / insert / 3					
INS 2	title	Add like to comment					
INS 3		likes					
INS 4	pattern	Person (creationDate ← \$creationDate) Comment					
INS 5		id = \$personId					
INS 6	desc.	Add a likes <i>edge</i> to a Comment.					
INS 7							
INS 8		1 personId ID					
	params	2 commentId ID					
		3 creationDate DateTime					
	CPs	9.2					

#### Interactive / insert / 4



INS 1	query	Interactive / insert / 5				
INS 2	title	Add forum membership				
INS 3		hasMember				
INS 4	pattern	Person creationDate ← \$creationDate)				
INS 5		id = \$personId				
INS 6	desc.	Add a Forum membership <i>edge</i> (hasMember) to a Person.				
INS 7						
INS 8		1 personId ID				
	params	2 forumId ID				
		3 creationDate DateTime				
	CPs	9.1, 9.2				

### **Interactive / insert / 6**

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

query	Interactive / insert / 6					
title	Add post					
pattern	Person  id = \$authorPersonId  Forum  id = \$forumId	— containerOf — 🙀 >	Post  id ← \$postId  imageFile ← \$imageFile  creationDate ← \$creationDate  locationIP ← \$locationIP  browserUsed ← \$browserUsed  language ← \$language  content ← \$content  length ← \$length	isLocatedIn –	Country  id = \$countryId  Tag  id in \$tagIds	
desc.	Add a Post <i>node</i> to the social network connected by 4 possible <i>edge</i> types (hasCreator, containerOf, isLocatedIn, hasTag).					
	1 postId	ID				
	2 imageFile	String				
	3 creationDate	DateTime				
	4 locationIP	String				
	5 browserUsed	String				
	6 language	String				
params	7 content	Text				
	8 length	32-bit Integer				
	9 authorPersonId	ID				
	10 forumId	ID				
	11 countryId	ID				
	12 tagIds	{ID}				
CPs	9.1, 9.2					

INS 1	query	Interactive / insert / 7				
INS 2	title	Add comment				
INS 3 INS 4 INS 5 INS 6 INS 7	pattern	Person  id = \$authorPersonId  Post  id = \$replyToPostId	crea	Comment \$commentId tionDate ← \$creationDate	isLocatedIn —	Country  id = \$countryId
INS 8		Comment  id = \$replyToCommentId	-replyOf brow	tionIP ← \$locationIP  //serUsed ← \$browserUsed  ent ← \$content  th ← \$length	hasTag —	Tag id in \$tagIds
	desc. Add a Comment <i>node</i> replying to a Post/Comment, connected to the network types (replyOf, hasCreator, isLocatedIn, hasTag).			ork by 4 possible edge		
	params	1 commentId 2 creationDate 3 locationIP 4 browserUsed 5 content 6 length 7 authorPersonId 8 countryId 9 replyToPostId 10 replyToCommentId 11 tagIds	ID DateTime String String Text 32-bit Integer ID ID ID ID	-1 if the Comme		
		taglds	{ID}			

# Interactive / insert / 8

CPs

9.1, 9.2

INS 1	query	Interactive / insert / 8
INS 2	title	Add friendship
INS 3		knows
INS 4	pattern	$\frac{\text{knows}}{\text{(creationDate)}} \qquad \frac{\text{Person}}{\text{Person}}$
INS 5		id = \$person2Id
INS 6	desc.	Add a friendship <i>edge</i> (knows) between two Persons.
INS 7		
INS 8		1 person1Id ID
	params	2 person2Id ID
		3 creationDate DateTime
	CPs	9.2