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

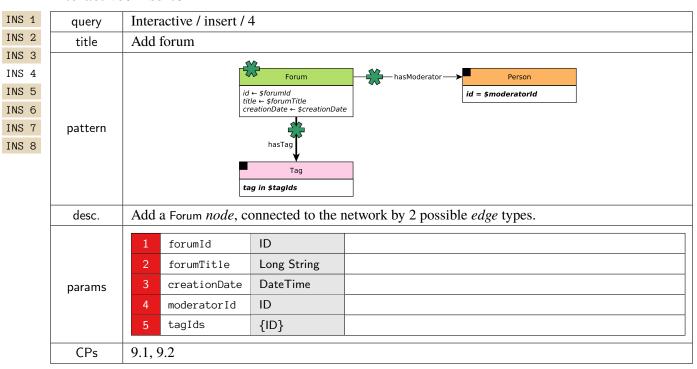
query	Interactive / insert / 1				
title	Add person				
pattern	City  id = \$cityId  Tag  id in \$tagIds	id ← \$personId firstName ← \$person lastName ← \$lastNat gender ← \$gender birthday ← \$birthday creationDate ← \$cre locationIP ← \$locatio browserUsed ← \$bro {speaks} ← \$langua {email} ← \$emails	workAt   workAt   workAt   workAt(j].workFrom}		
desc.	Add a Person <i>node</i> , con	nected to the net	twork by 4 possible <i>edge</i> types.		
params	1 personId ID 2 personFirstName String 3 personLastName String 4 gender String 5 birthday Date 6 creationDate DateTime 7 locationIP String 8 browserUsed String		{ <universityid, classyear="">} {<companyid, workfrom="">}</companyid,></universityid,>		
CPs	9.1, 9.2				

# Interactive / insert / 2

INS 1	query	Interactive / insert / 2				
INS 2	title	Add like to post				
INS 3		likes Dect				
INS 4	pattern	(creationDate) Post				
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)				
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 = \$forumId				
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> repl types (replyOf, hasCreator, i			ed to the netwo	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						
INS 4	pattern	Person knows (creationDate) 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				