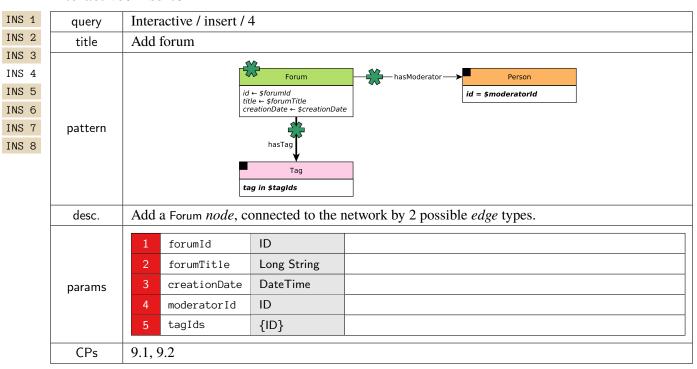
INS 1	query	Interactive / insert / 1			
INS 2	title	Add person			
INS 3 INS 4 INS 5 INS 6 INS 7 INS 8	pattern	City  id = \$cityId  id + \$personId  firstName + \$person lastName + \$person		workAt tionDate oliP vserUsed  workAt workFrom ← \$workAt[j].workFrom}	Id = \$studyAt[i].universityId  Company  id = \$workAt[j].companyId
	desc.	Add a Person <i>node</i> , conr	nected to the nety	vork by 4 possible <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 String ID {String} {Long String} {ID} { <id, 32-bit="" integer="">}</id,>	<pre>{<universityid, classyear="">} {<companyid, workfrom="">}</companyid,></universityid,></pre>	
	CPs	9.1, 9.2	-07		

# Interactive / insert / 2

INS 1	query	Interactive / insert / 2			
INS 2	title	Add like to post			
INS 3		likes Dect			
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	reationDate ← \$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	query	Interactive / insert / 6
INS 2	title	Add post
INS 3 INS 4 INS 5 INS 6	pattern	Person  id = \$authorPersonId  id ← \$postId imageFile ← \$imageFile creationDate creationDate  reationDate ← \$countryId imageFile creationDate creati
INS 7	·	IocationIP ← \$locationIP browserUsed ← \$prowserUsed language ← \$language ←
	desc.	Add a Post <i>node</i> to the social network connected by 4 possible <i>edge</i> types (hasCreator, containerOf, isLocatedIn, hasTag).
	params	1         postId         ID           2         imageFile         String           3         creationDate         DateTime           4         locationIP         String           5         browserUsed         String           6         language         String           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		International impant 17				
	query	Interactive / insert / 7				
INS 2	title	Add comment				
INS 3 INS 4 INS 5		Person  id = \$authorPersonId	- hasCreator			
INS 6	pattern	Post  id = \$replyToPostId		Comment	isLocatedIn	Country  id = \$countryId
INS 8		Comment  id = \$replyToCommentId	replyOf loc	eationDate ← \$creationDate ationIP ← \$locationIP owserUsed ← \$browserUsed ntent ← \$content ogth ← \$length	hasTag	Tag id in \$tagIds
	desc.	Add a Comment <i>node</i> replying to a Post/Comment, connected to the network by 4 possible <i>edge</i> types (replyOf, hasCreator, isLocatedIn, hasTag).				
		1 commentId	ID			
		2 creationDate	DateTime			
	params	3 locationIP	String			
		4 browserUsed	String			
		5 content	Text			
		6 length	32-bit Integer			
		7 authorPersonId	ID			
		8 countryId	ID			
		9 replyToPostId	ID	−1 if the Comm	ent is a reply of	a Comment
		10 replyToCommentId	ID	−1 if the Comm	ent is a reply of	a Post
		11 tagIds	{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	Person (creationDate ← \$creationDate)			
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			