

## Interactive / insert / 1

INS 1

INS 2

INS 3

INS 4

INS 5

INS 6

INS 7

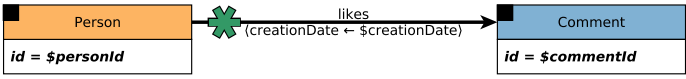
INS 8

query	Interactive / insert / 1			
title	Add person			
pattern	<pre>graph LR     City[City] -- isLocatedIn --* Person[Person]     Tag[Tag] -- hasInterest --* Person     Person -- studyAt --* University[University]     Person -- workAt --* Company[Company]</pre>			
desc.	Add a Person <i>node</i> , connected to the network 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	
	9	cityId	ID	
	10	languages	{String}	
	11	emails	{Long String}	
	12	tagIds	{ID}	
	13	studyAt	{<ID, 32-bit Integer>}	{<universityId, classYear>}
	14	workAt	{<ID, 32-bit Integer>}	{<companyId, workFrom>}
CPs	9.1, 9.2			

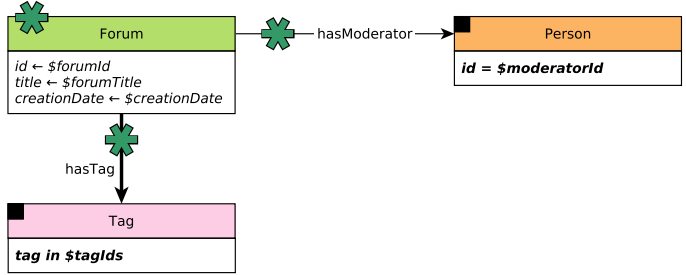
## Interactive / insert / 2

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

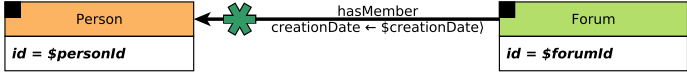
### Interactive / insert / 3

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

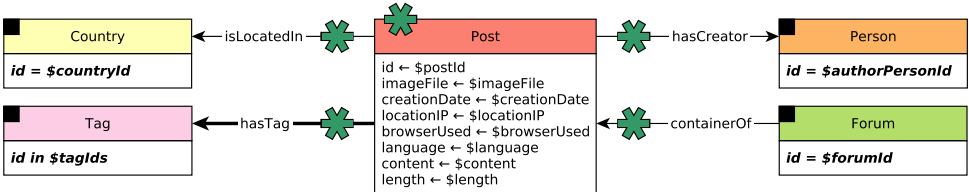
### Interactive / insert / 4

INS 1	query	Interactive / insert / 4		
INS 2	title	Add forum		
INS 3	pattern			
INS 4				
INS 5				
INS 6				
INS 7				
INS 8	desc.	Add a Forum <i>node</i> , connected to the network by 2 possible <i>edge</i> types.		
	params	1	forumId	ID
		2	forumTitle	Long String
		3	creationDate	DateTime
		4	moderatorId	ID
		5	tagIds	{ID}
	CPs	9.1, 9.2		

### Interactive / insert / 5

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

### Interactive / insert / 6

INS 1	query	Interactive / insert / 6		
INS 2	title	Add post		
INS 3	pattern			
	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		

## Interactive / insert / 7

INS 1

INS 2

INS 3

INS 4

INS 5

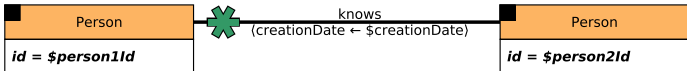
INS 6

INS 7

INS 8

query	Interactive / insert / 7			
title	Add comment			
pattern	<div><div>The parent Message is either a Post or a Comment.</div><div><div><div>Post</div><div><math>id = \\$replyToPostId</math></div></div><div><div>Comment</div><div><math>id = \\$replyToCommentId</math></div></div></div><div><div><div>Country</div><div><math>id = \\$countryId</math></div></div><div><div>Tag</div><div><math>id\ in\ \\$tagIds</math></div></div><div><div>Comment</div><div><math>id \leftarrow \\$commentId</math> <math>creationDate \leftarrow \\$creationDate</math> <math>locationIP \leftarrow \\$locationIP</math> <math>browserUsed \leftarrow \\$browserUsed</math> <math>content \leftarrow \\$content</math> <math>length \leftarrow \\$length</math></div></div><div><div>Person</div><div><math>id = \\$authorPersonId</math></div></div></div><div><div>replyOf</div><div>replyOf</div><div>isLocatedIn</div><div>hasTag</div><div>hasCreator</div></div></div>			
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).			
params	1	commentId	ID	
	2	creationDate	DateTime	
	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 Comment is a reply of a Comment
	10	replyToCommentId	ID	−1 if the Comment is a reply of a Post
	11	tagIds	{ID}	
CPs	9.1, 9.2			

## Interactive / insert / 8

INS 1	query	Interactive / insert / 8			
INS 2	title	Add friendship			
INS 3	pattern				
INS 4	desc.	Add a friendship <i>edge</i> (knows) between two Persons.			
INS 5	params	1	person1Id	ID	
INS 6		2	person2Id	ID	
INS 7		3	creationDate	DateTime	
INS 8	CPs	9.2			