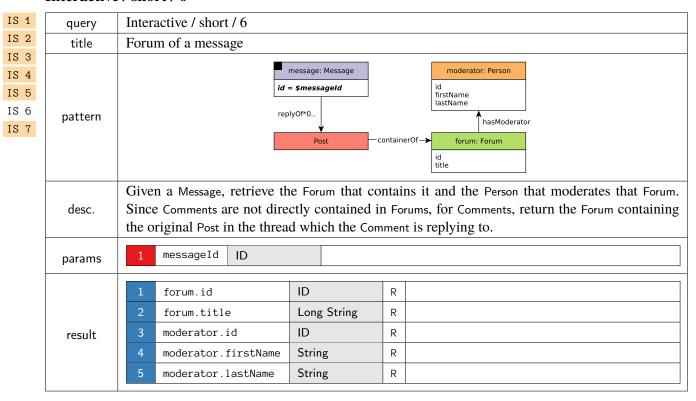
IS 1	query	Interactive / short / 1
IS 2	title	Profile of a person
IS 3	titic	
IS 4		person: Person city: City
IS 5		id = \$personId —isLocatedIn → id
IS 6	pattern	firstName lastName birthday
IS 7		locationIP browserUsed
		gender creationDate
	desc. Given a start Person, retrieve their first name, last name, birthday, IP address, browse of residence.	
	params	1 personId ID
		1 person.firstName String R
		2 person.lastName String R
		3 person.birthday Date R
		4 person.locationIP String R
	result	5 person.browserUsed String R
		6 city.id ID R
		7 person.gender String R
		8 person.creationDate DateTime R

	interactive	er short / 2			
IS 1	query	Interactive / short / 2			
IS 2	title	Recent messages of a person			
IS 3 IS 4 IS 5 IS 6 IS 7	pattern	person: Person id = \$personId id content / imageFile creationDate replyOf*0 originalPoster: Person id firstName lastName			
	desc.	Given a start Person, retrieve the last 10 Messages created by that user. For each Message, return that Message, the original Post in its conversation (post), and the author of that Post (originalPoster). If any of the Messages is a Post, then the original Post (post) will be the same Message, i.e. that Message will appear twice in that result.			
	params	1 personId ID			
	result	1 message.id ID R message.content or 2 message.imageFile (for photos) 3 message.creationDate DateTime R 4 post.id ID R 5 originalPoster.id ID R 6 originalPoster.firstName String R 7 originalPoster.lastName String R			
	sort	1 message.creationDate ↓ 2 message.id ↓			

IS 1	query	Interactive / short / 3			
IS 2	title	Friends of a person			
IS 3 IS 4 IS 5 IS 6	pattern	person: Person id = \$personId friend: Person id firstName lastName			
IS 7	desc.	Given a start Person, retrieve all of their friends, and the date at which they became friends.			
	params	1 personId ID			
	result	1 friend.id ID R 2 friend.firstName String R			
		3 friend.lastName String R 4 knows.creationDate DateTime R			
	sort	1 knows.creationDate ↓ 2 friend.id ↑			

IS 1	query	Interactive / short / 4			
IS 2	title	Content of a message			
IS 3 IS 4 IS 5 IS 6	pattern	message: Message id = \$messageld creationDate content / imageFile			
IS 7	desc.	Given a Message, retrieve its content and creation date.			
	params	1 messageId ID			
	result	1 message.creationDate			

IS 1	query	Interactive / short / 5		
IS 2	title	Creator of a message		
IS 3				
IS 4		message: Message hasCreator person: Person		
IS 5	pattern	id = \$messageId id firstName		
IS 6		lastName		
IS 7	desc.	Given a Message, retrieve its author.		
	params	1 messageId ID		
		1 person.id ID R		
	result	2 person.firstName String R		
		3 person.lastName String R		



IS IS

IS IS IS

L	query	Interactive / short / 7				
	title	Replies of a message				
	pattern	id = \$	replyOf ment: Comment — h	asCreato asCreato	«opt» knows	
	desc.		lag knows indica	ting	t reply to it. if the author of the reply (replyAuthor) knows). If author is same as original author, return	
	params	1 messageId ID				
		1 comment.id	ID	R		
		2 comment.content	Text	R		
		3 comment.creationDate	DateTime	R		
		4 replyAuthor.id	ID	R		
	result	5 replyAuthor.firstName	String	R		
	resurt	6 replyAuthor.lastName	String	R		
					True if the knows edge exists between the replyAuthor and the messageAuthor nodes,	
		7 knows	Boolean	С	False otherwise (including the case when the two nodes are the same)	