## Interactive / complex / 3

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Interactive / complex / 3			
Friends and friends of friends	s that have been	to given countries	
		xCount = count	
	hasCreator—	Message isLocatedIn → countryX: Country	
	$\downarrow$	\$startDate ≤ creationDate ≤ \$startDate +	
person: Person	otherPerson: Person	\$durationDays	
		isLocatedIn City	
		yCount = count	
	Ţ	Message countryY: Country	
	hasCreator—	\$startDate ≤ creationDate ≤ \$startDate + isLocatedIn → name = \$countryYName	
		\$durationDays	
Given a start Person, find Person	ns that are their fr	iends and friends of friends (excluding start Person)	
		e given Countries, CountryX and CountryY, within a	
		Countries CountryX and CountryY are considered, that	
	_		
1 personId ID			
2 countryXName String			
4 startDate Date	Beginn	ing of requested period	
	Duratio	on of requested period, in days. The interval	
5 durationDays 32-bit In	nteger	ate, startDate + durationDays) is closed-open	
	'		
1 otherPerson.id	ID	R	
2 otherPerson.firstName	String	R	
3 otherPerson.lastName	String	R	
4 xCount	32-bit Integer	Number of Messages from Country Country X	
		created by the Person within the given time	
5 yCount	32-bit Integer	Number of Messages from Country Country Y	
	20 1 :- 1 -	created by the Person within the given time	
6 count	32-bit Integer	A count = xCount + yCount	
1 xCount.			
2.1, 3.1, 5.1, 8.2, 8.5			
		ing from a Person, going to friends or friends of friends, and	
is expected to eliminate duplicates and those people prior to access the Post and Comments, as well as eliminate			
those friends from CountryX and CountryY, as the size of the intermediate results can be severely affected.			
	A possible structural optimization could be to materialize the number of Posts and Comments created by a Person, and progressively filter those people that could not even fall in the top 20 even having all their posts in the Countries		
and progressively filter those people	e that could not even	fall in the top 20 even having all their posts in the Countries	
	Given a start Person, find Person that have made Posts / Comme given period. Only Persons that is Persons whose location is not persons whose location is not persons whose location is not persons. In person Id a countryXName string a countryYName string a countryYName string a startDate between the part of the person. Id a countryYName and the person id a countryYName and the person id a countryYName and the person id a count a countryYName and the person id a countryYName an	Friends and friends of friends that have been to the person: Person to the person that are their from the person of the person that are their from the person of the person	