

Study 1						
Tasks		Answers				
Dimension	Question	Right answer				
When	When do entity 1 and entity 2 participate in a same activity?	t1	t2	t3	None of the above	Too difficult
	When does entity 3 join activity 3?	t2	t1	t3	None of the above	Too difficult
What	Does entity 4 relate to entity 5 at t1?	No	Yes		None of the above	Too difficult
	How many entities participate in activity 4 at t2?	5	4	3	None of the above	Too difficult
	During t1 to t2, does the relationship between entity 7 and entity 8 change?	No	Yes		None of the above	Too difficult
	What happens to entity 4 from t2 to t3?	More entities interacting with it	Less entities interacting with it	No changes	None of the above	Too difficult
Where	How many activities at t2?	3	4	2	None of the above	Too difficult
	Which activities contain same entities from t1 to t2?	Activity 2 and 5	Activity 2 and 3	Activity 0 and 5	None of the above	Too difficult
	Which activities occur in parallel with activity 1 in time?	Activity 0 and 2	Activity 3 and 4	Activity 6 and 8	None of the above	Too difficult
	Are the entities involved in activity 0 the same as those in activity 3?	No	Yes		None of the above	Too difficult
Combination	What is the changes of different entities interact with entity 1 in three time-steps?	Decrease	Increase	Constant	None of the above	Too difficult
	Which time-step involves the largest number of entities?	Activity 7	Activity 2	Activity 4	None of the above	Too difficult

Study 2						
Tasks		Answers				
Dimension	Question	Right answer				
When	When does entity 4 disappear?	t20	t12	t36	None of the above	Too difficult
	How long does activity 10 last?	15	12	18	None of the above	Too difficult
	Which of activities 11 and 12 started first?	11	12	The same time		
What	Is entity 7 related to 9 under t40?	No	Yes		None of the above	Too difficult
	What happens to entity 3 during t34 to t35?	More entities interacting with it	Less entities interacting with it	No changes	None of the above	Too difficult
	Does the relationship between entity 5 and entity 9 change during the entire process?	No	Yes		None of the above	Too difficult
Where	Which activity does entity 12 participate in at t58?	17	15	16	None of the above	Too difficult
	How many activities does entity 6 participate in?	10	9	11	None of the above	Too difficult
	What are the activities in parallel with activity 18 in time?	Activity 19 and 20	Activity 16 and 17	Activity 17 and 19	None of the above	Too difficult
	Are the number of entities involved in activity 10 the same as the number involved in activity 13?	Yes	No		None of the above	Too difficult
Combination	At the beginning of activity 19, how many entities are related to entity 10?	7	8	9	None of the above	Too difficult
	When entity 4 disappears, how many activities just have begun?	3	1	2	None of the above	Too difficult