

# Beyond Process Model Complexity: A Multi-Granular Investigation Across Time and Space Based on Eye-tracking

## Appendix: Tasks

### Assertions

Type	
Order	In every execution of this process, there is an occurrence of activity XX before any occurrence of activity YY.
Choice	In this process, if activity XX is executed, activity YY never occurs, and conversely.
Repetition	This process has an execution where activity XX occurs several times while activity YY occurs only once.
Concurrency	In this process, activity XX is executed in parallel with activity YY.

### Tasks

Complexity	Set	Model	Type	Assertion
Fam., "Dummy"	--	model_g1	Repetition	This process has an execution where activity AL occurs several times while activity AI occurs only once.
Ess. Complex.	A	model_g2	Choice	In this process, if activity BA is executed, activity AZ never occurs, and conversely.
		model_g2	Repetition	This process has an execution where activity BC occurs several times while activity AK occurs only once.
Simple	A	model_g3	Choice	In this process, if activity AL is executed, activity AC never occurs, and conversely.
		model_g3	Repetition	This process has an execution where activity AK occurs several times while activity AA occurs only once.
Ess. Complex. Composed	B	model_g4	Order	In every execution of this process, there is an occurrence of activity BL before any occurrence of activity AT.
		model_g4	Choice	In this process, if activity AP is executed, activity BN never occurs, and conversely.
		model_g4	Order	In every execution of this process, there is an occurrence of activity AZ before any occurrence of activity BG.
		model_g4	Choice	In this process, if activity AL is executed, activity AR never occurs, and conversely.
Acc. Complex.	A	model_g5	Choice	In this process, if activity AA is executed, activity AL never occurs, and conversely.
		model_g5	Repetition	This process has an execution where activity AE occurs several times while activity AD occurs only once.
Acc. Complex. Composed	B	model_g6	Order	In every execution of this process, there is an occurrence of activity BC before any occurrence of activity AN.
		model_g6	Concurrency	In this process, activity BU is executed in parallel with activity AS.
		model_g6	Order	In every execution of this process, there is an occurrence of activity AA before any occurrence of activity AQ.
		model_g6	Concurrency	In this process, activity AF is executed in parallel with activity AY.

Abbreviations:

Fam., "Dummy": Familiarization, "Dummy" Task

Ess. Complex.: Essential Complexity

Acc. Complex.: Accidental Complexity

Activity names are randomized for each participant.