challenge
Explain the emergence, in evolution or development, of sophisticated forms of theory of mind cognition.
conjecture
The existence of abilities to engage in joint action partially explains how sophisticated forms of theory of mind cognition emerge in evolution or development (or both)
first objection
Sophisticated forms of theory of mind cognition emerge before joint action

Theory of mind *abilities* are widespread

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18-month-olds point to inform, and predict actions based on false beliefs

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- takes years to develop

- development tied to acquisition of executive function and language

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- working memory

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Propositional attitude

Relational attitude

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e.g. believes that ...

e.g. knows that ...

Relational attitude

e.g. excited by ...

e.g. engaged in ...

Propositional attitude	Relational attitude
e.g. believes that ...	e.g. excited by ...
e.g. knows that ...	e.g. engaged in ...
arbitrarily nestable contents	no contents
uncodifiably complex effects on action	parameter-setting effects on action
permit mistakes about identity and existence	enable tracking limited range of true and false beliefs

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