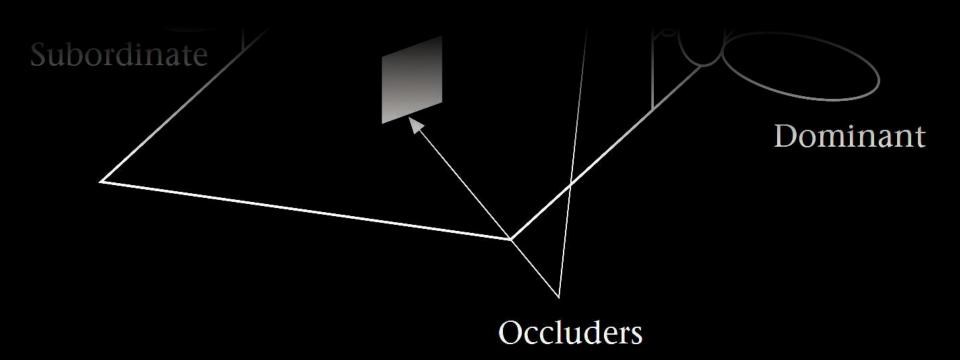
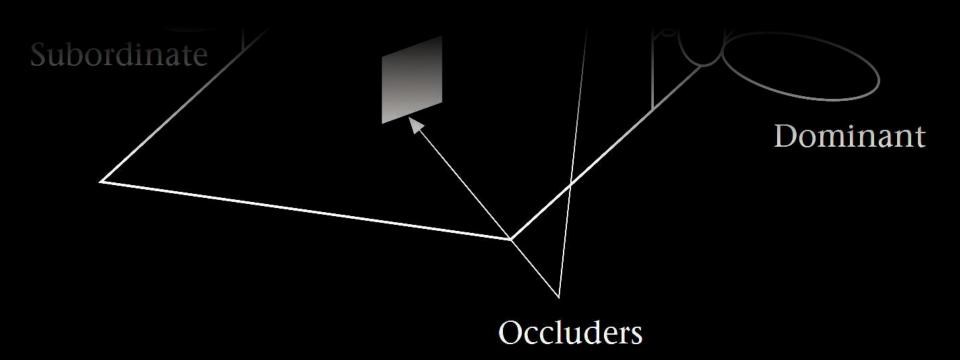
# Mindraading & Joint Action 2. What are mental states?

# butterfillS@ceu.hu

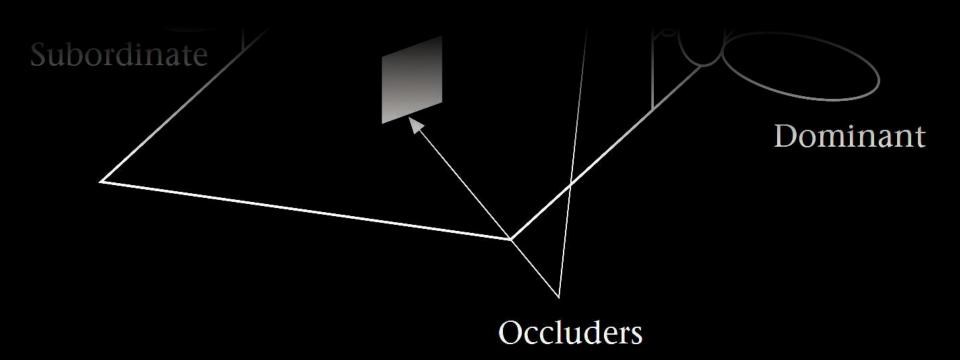














'our fundamental conception of what it is to know that P is itself an explanatory conception [...] we think of S's knowledge that P as something that can properly be explained by reference to what S has perceived or remembered or proved or ...' (Cassam 2007: 356)





'from 7 months on ... humans automatically compute other's beliefs and seem to hold them in mind as alternative representations of the environment.'

(Kovács et al 2010: 1834)

# Ayesha will cycle up Hármashatár hill

# desires

that

# Henry

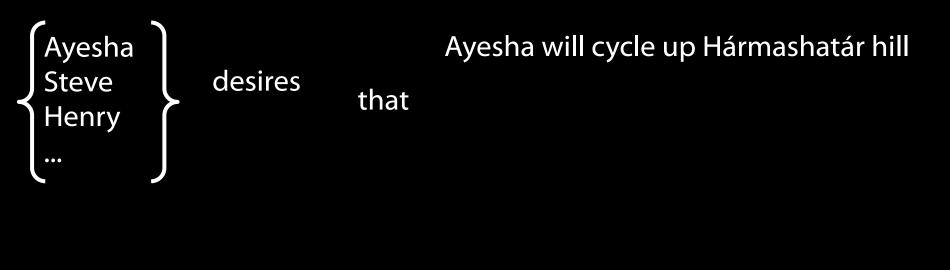
# Ayesha will cycle up Hármashatár hill

# desires

that

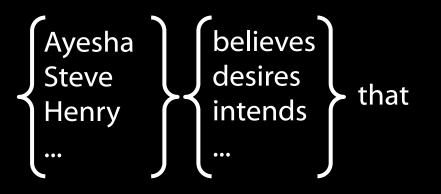
## Henry

Subject Attitude



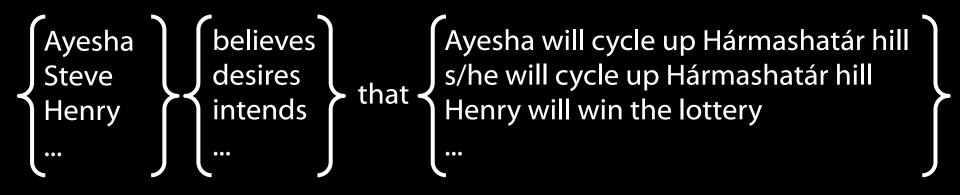
# Subject

Attitude

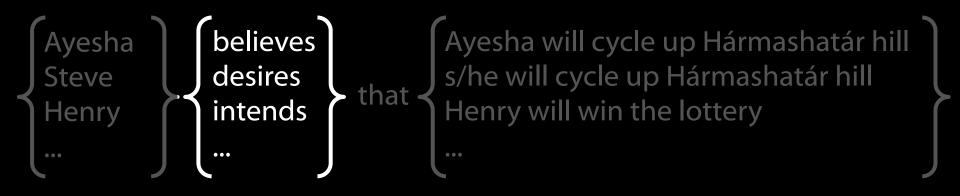


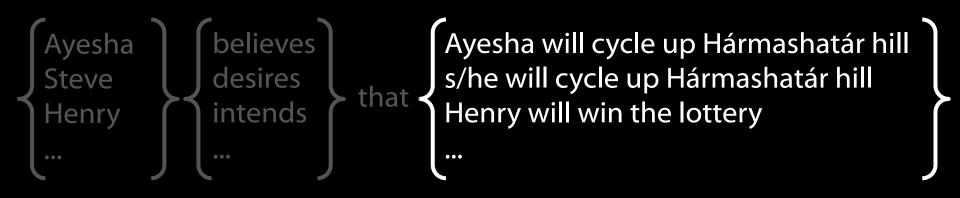
# Ayesha will cycle up Hármashatár hill

Subject Attitude



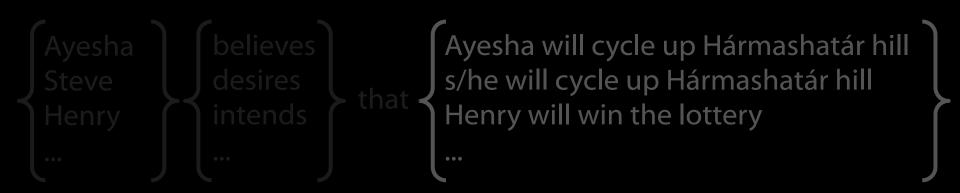
Content





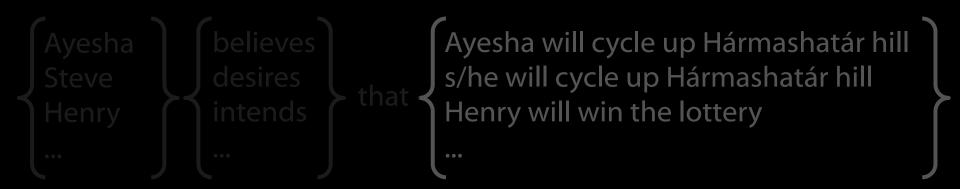
Content

'Propositions ... are the sharable objects of the attitudes and the primary bearers of truth and falsity' (McGrath 2012)



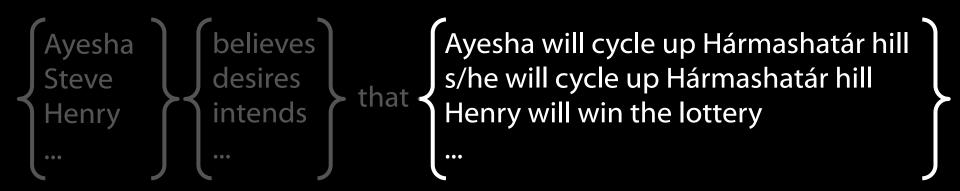
#### Subject Attitude

'Propositions ... are the sharable objects of the attitudes and the primary bearers of truth and falsity' (McGrath 2012)



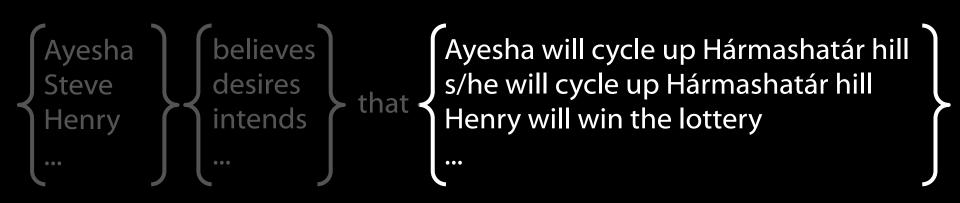
#### Subject Attitude

'Propositions ... are the sharable objects of the attitudes and the primary bearers of truth and falsity' (McGrath 2012)

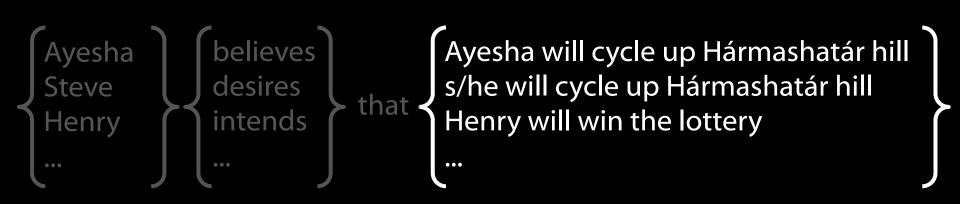


#### Subject Attitude

Content

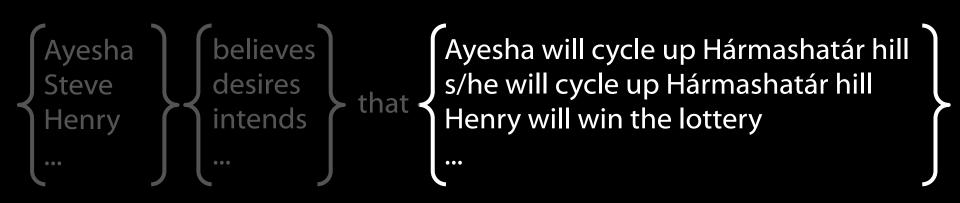


Subject Attitude

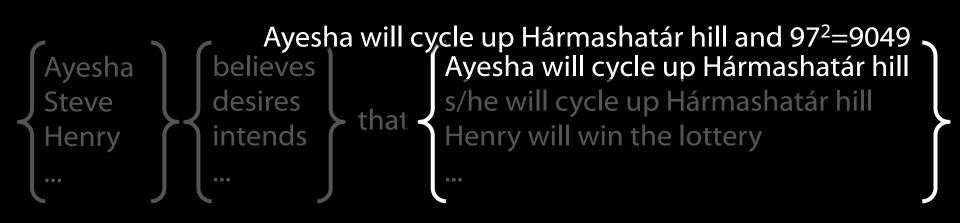


#### Subject Attitude

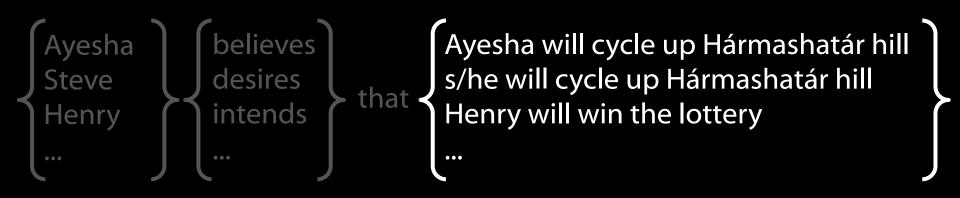
Content



Subject Attitude

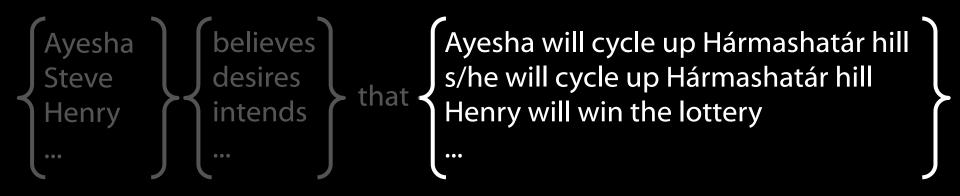


Subject Attitude



Subject Attitude

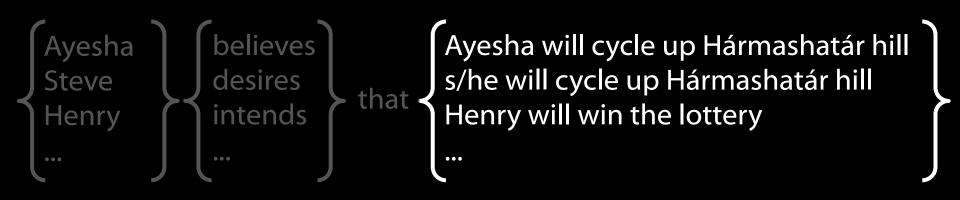
proposition-1 : a set of possible worlds proposition-2 : a (nested) sequence of objects and properties < < Ayesha , Hármashatár hill >, cycle >



Subject Attitude

< < Ayesha , Hármashatár hill >, cycle >

< < Steve , Hármashatár hill >, cycle >

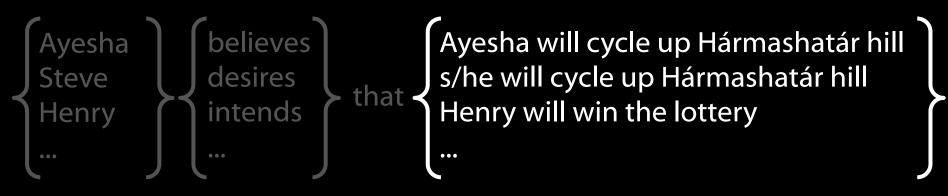


Subject Attitude

< < Ayesha , Hármashatár hill >, cycle >

< < Steve , Hármashatár hill >, cycle >

# Why not use sentences?

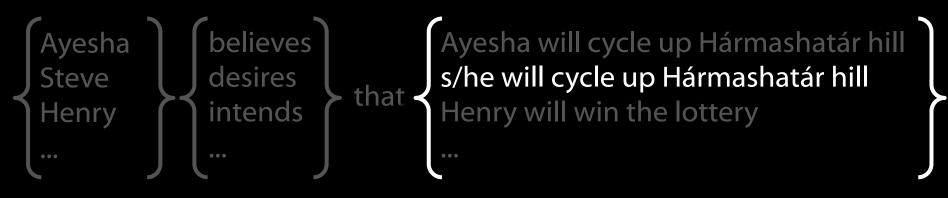


Subject Attitude

< < Ayesha , Hármashatár hill >, cycle >

< < Steve , Hármashatár hill >, cycle >

## Why not use sentences?

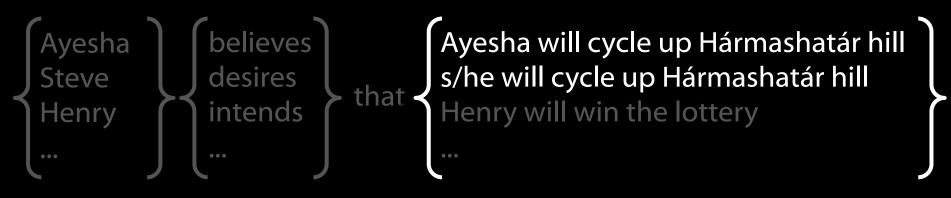


Subject Attitude

< < Ayesha , Hármashatár hill >, cycle >

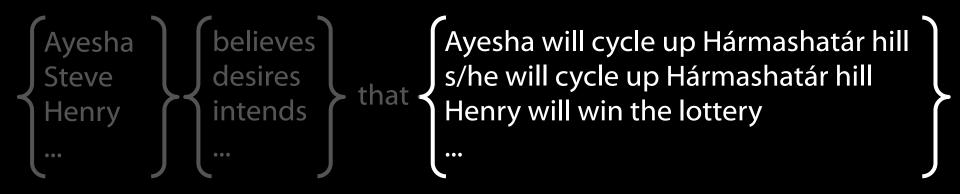
< < Steve , Hármashatár hill >, cycle >

# Why not use sentences?



Subject Attitude

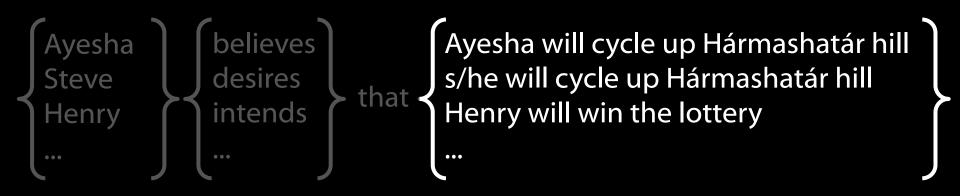
proposition-1 : a set of possible worlds proposition-2 : a (nested) sequence of objects and properties proposition-3 : a (nested) sequence of objects and properties and modes of presentations



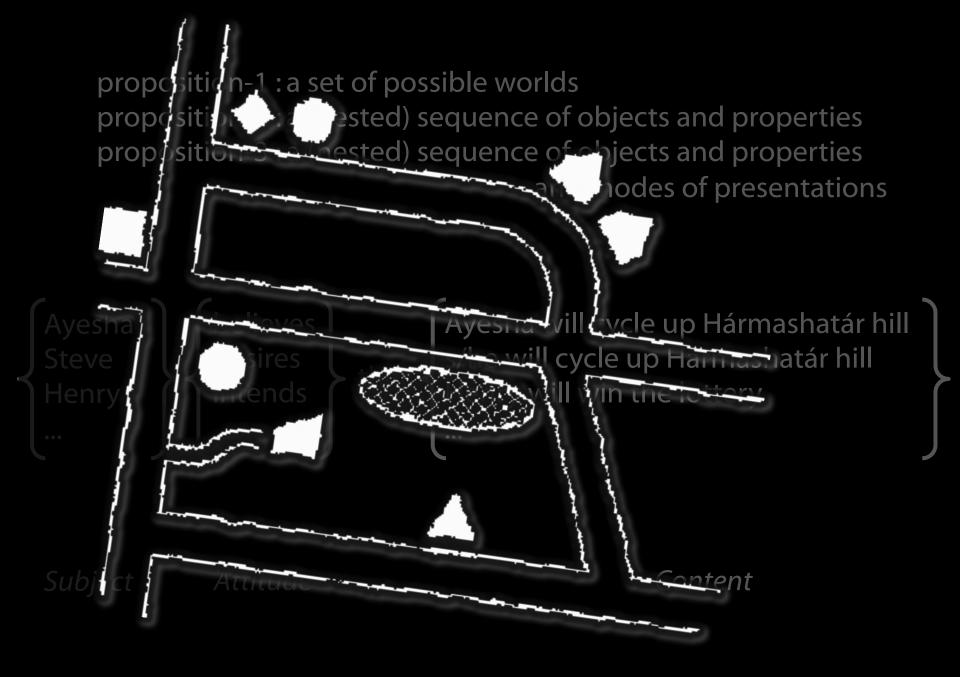
Content

#### Subject Attitude

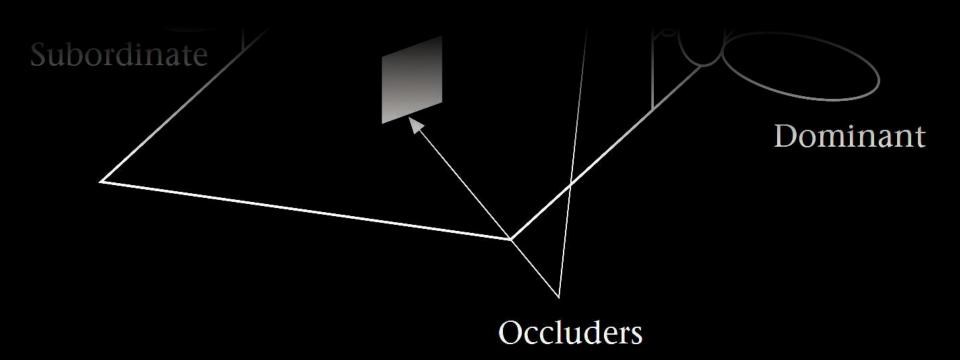
proposition-1 : a set of possible worlds proposition-2 : a (nested) sequence of objects and properties proposition-3 : a (nested) sequence of objects and properties and modes of presentations



Subject Attitude



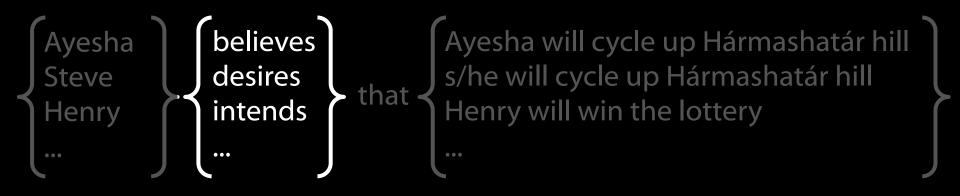






'from 7 months on ... humans automatically compute other's beliefs and seem to hold them in mind as alternative representations of the environment.'

(Kovács et al 2010: 1834)



'(4) For any p: One ought to believe that p only if p.

'the holding of this norm is one of the defining features of the notion of belief [...] That [...] is what makes it the state that it is.' (Boghossian 2003: 37, 38-9) '(4) For any p: One ought to believe that p only if p.

'the holding of this norm is one of the defining features of the notion of belief [...] That [...] is what makes it the state that it is.' (Boghossian 2003: 37, 38-9)

'Aside from our purposes in forming beliefs or in using beliefs as guides to action, there is nothing they should or shouldn't be. ... [T]he only thing wrong or bad about mistaken judgements, is that, generally speaking, we don't like them. We do our best to avoid them. They do not—most of the time at least—serve our purposes'

(Dretske 2000: 247-8)

'Rational intentions should be agglomerative. If at one and the same time I rationally intend to A and rationally intend to B then it should be both possible and rational for me, at the same time, to intend to A and B.'

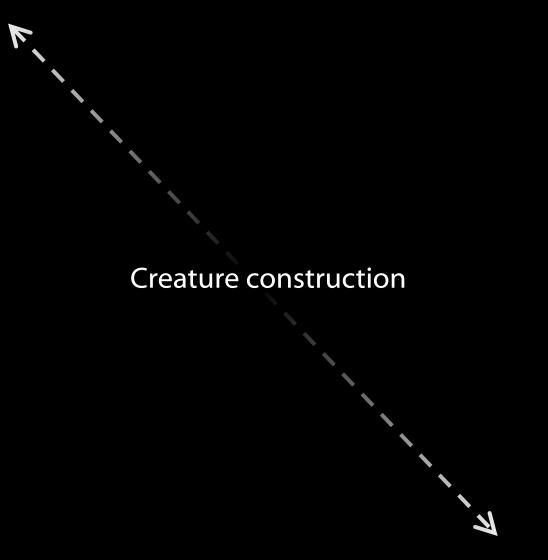
(Bratman 1999: 220)



'from 7 months on ... humans automatically compute other's beliefs and seem to hold them in mind as alternative representations of the environment.'

(Kovács et al 2010: 1834)

Merely purposive agent



Self-knowing, truth-seeking, embarrassed ... agent

get exercise and get wet get no exercise and stay dry

get exercise and stay dry get no exercise and stay dry

action

cycle get exercise and stay dry take bus get no exercise and stay dry get exercise and get wet get no exercise and stay dry

#### action

cycle take bus get exercise and stay dry get no exercise and stay dry

get exercise and get wet get no exercise and stay dry

action

cycleget exercise and stay drytake busget no exercise and stay dry

get exercise and **get wet** get no exercise and stay dry

	condition	
action	no flooding	flooding
cycle take bus	get exercise and <b>stay dry</b> get no exercise and stay dry	get exercise and <b>get wet</b> get no exercise and stay dry

	condition	
action	no flooding	flooding
cycle take bus	get exercise and stay dry get no exercise and stay dry	get exercise and get wet get no exercise and stay dry

	condition	
action	no flooding	flooding
cycle take bus	get exercise and stay dry get no exercise and stay dry	get exercise and get wet get no exercise and stay dry
	condition	
action	no flooding	flooding
cycle	probability of no flooding if we cycle: 0.3	probability of flooding if we cycle: 0.7
take bus	probability of no flooding if we get the bus: 0.3	probability of flooding if we get the bus: 0.7

	condition	
action	no flooding	flooding
cycle take bus	get exercise and stay dry get no exercise and stay dry	get exercise and get wet get no exercise and stay dry
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	condition	
action	no flooding	flooding
cycle	[get exercise and stay dry] desirability of outcome: 3	[get exercise and get wet] desirability of outcome: -1
take bus	[get no exercise and stay dry] desirability of outcome: 1	[get no exercise and stay dry] desirability of outcome: 1
	condition	
action	no flooding	flooding
cycle take bus	get exercise and stay dry get no exercise and stay dry	get exercise and get wet get no exercise and stay dry
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'Suppose that A and B are [outcomes] between which the agent is not indifferent, and that N is an ethically neutral condition [i.e. the agent is indifferent between N and not N]. Then N has probability 1/2 if and only if the agent is indifferent between the following two gambles.

B if N, A if not A if N, B if not'

(Jeffrey 1983:47)

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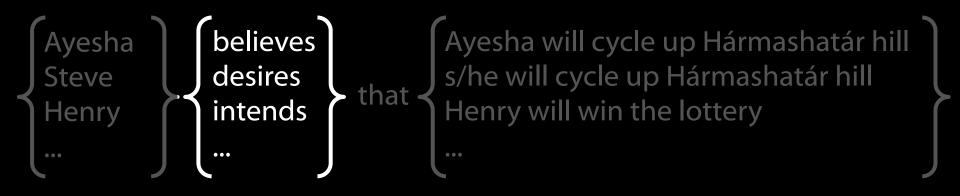
B if N, A if not A if N, B if not'

(Jeffrey 1983:47)



'modern philosophers ... have no theory of thought to speak of. I do think this is appalling; how can you seriously hope for a good account of belief if you have no account of belief fixation?'

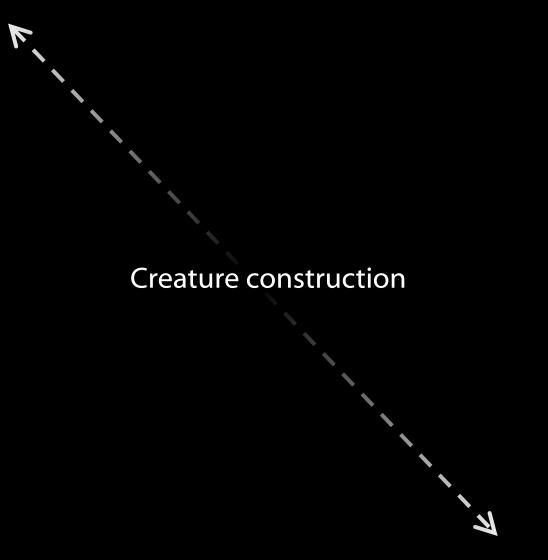
(Fodor 1987: 147)



Subject Attitude

Content

Merely purposive agent



Self-knowing, truth-seeking, embarrassed ... agent

'chimpanzees understand ... intentions ... perception and knowledge ... Moreover, they understand how these psychological states work together to produce intentional action' (Call & Tomasello 2008:191)



'from 7 months on ... humans automatically compute other's beliefs and seem to hold them in mind as alternative representations of the environment.'

(Kovács et al 2010: 1834)

Self-awareness

Does being a mindreader entail being able, sometimes, to identify one's own mental states and actions?

### **Evidential basis**

What evidence could in principle support the ascription of a particular belief to a given subject, and how does the evidence support the ascription?

#### Holism

Could there be mindreaders who can identify intentions and knowledge states but not beliefs?

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