







knowledge if your evidence rules out the relevant -p possibilities. If p is a logical truth there are no -p possibilities. → Knowledge of logical truth requires of the subject only belief. TOO EASY

Problem for Externalist Views, cont'd

- **Process Reliabilism**: Roughly, your true belief is knowledge iff it was formed by a reliable process.
- 1st problem (basic truths): Any process that simply makes the subject believe p when p is a logical truth will be a reliable process intuitively since it will always yield true beliefs. However, it is only a conditionally reliable process unless it is preceded by a process that determines for a given p whether it's a logical truth.
- 1. This seems to be more than what we do, even unconsciously (though I defer to cognitive scientists).
- 2. Plus, a general rule for this is not even possible beyond propositional logic. However, 1) that may also be right where we stop having easy knowledge of basic truths, and 2) we could be using special rules.

Problem for Externalist Views, cont'd

- Process Reliabilism, cont'd:

2nd problem (less basic truths): Suppose one comes to believe a logical truth by deductive reasoning, a conditionally reliable process. Inferring a logical truth from a contingent truth counts, and ought to count, as a reliable process, since it will always yield a truth.

But **PR** says nothing that prevents the person who counts as knowing this way from withdrawing belief in the logical truth when the contingent truth goes false. Yet we would not count a person who would do that as knowing the logical truth.

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Problem for Externalist Views, cont'd

- Tracking: Roughly, your true belief in p is knowledge iff
- if p weren't true you wouldn't believe p [P(-b(p)/-p) high] and
- if p were true you would believe p [P(b(p)/p) high]

For p a necessary truth the first condition is trivially fulfilled (subjunctive conditional version) or undefined (conditional probability version).

The account reduces to the second condition. Not a disaster—the second condition is not trivial—but we can do better. Notice second condition roughly equivalent to believing "come what may".

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Overall Plan

- Define knowledge of logical implication as a certain kind of responsiveness to the relation between two statements when one implies the other.
- Define *knowledge of (non-implicational) logical truth* as responsiveness to the fact that the logical truth is *implied by every proposition*.
- The second step will involve a universal quantification of the condition of the first step. It signals the subject's appreciation of the place of logical truths in relation to other truths.

N.B.: This is modulo recursion clauses and other diddles.























No Knowledge of Logical Truth by Authority

- Non-implicational logical truth, p:
 - Base clause requires belief in p come what may. If you believe on basis of authority, then you would change your belief if you believed the authority changed his mind.
 - Recursion clause same as knowledge of logical implication
- Logical implication, q implies p:
 - If believed on authority, then you would fail to believe p when you believed q in the circumstance when you believe the authority has changed his mind. If the latter has > 0.05 probability, you fail condition (d).

No Knowledge of Logical Truth by Authority

Apparent Exceptions:

- Authority is like Odysseus on the mast, who immunized you against future change in his orders.
 - There is a q, belief in which would make you withdraw belief in p: q = 'What Odysseus said before going up on the mast was -p'
 - That is, even this doesn't give you belief come what may.

· Authority is linguistic community

If one would keep belief in p even if one believed the entire linguistic community had changed its mind, then one's belief is not *based* on the authority of the linguistic community.

If one would lose belief when one believed the community changed its behavior, then one doesn't fulfill the condition for knowledge.

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This doesn't mean you can't learn by authority.

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