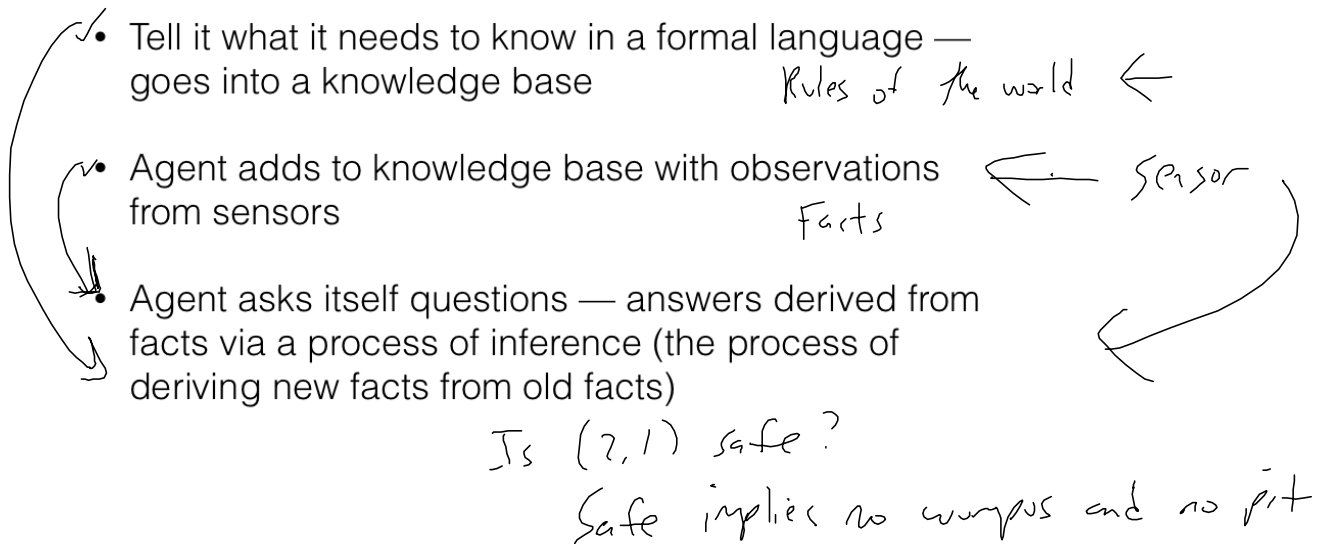


Logical agents

Wednesday, October 5, 2016 9:31 AM

- Logical agents can adapt to partially-observable domains because they can infer things about aspects of the world that are unobserved
- How a logical agent works:



• Knowledge base:

- Comprised of facts about the world, how the world works, and how to change the world
- Sentences that are logically evaluated to true or false
- Sentences must be represented in some knowledge representation language

• Things we need:

1. How to represent facts/sentences
2. What facts to give agent? (Knowledge engineering)
3. How to reason about facts? (How to do inference such that conclusions agent draws are guaranteed to be correct)