



## **Faith**

Rachael believes every proposition that can be deduced from  $\Gamma$  in 0 steps.

## **Charity**

If Rachael believes every proposition that can be deduced from  $\Gamma$  in  $n$  steps, then Rachael believes every proposition that can be deduced from  $\Gamma$  in  $n+1$  steps.

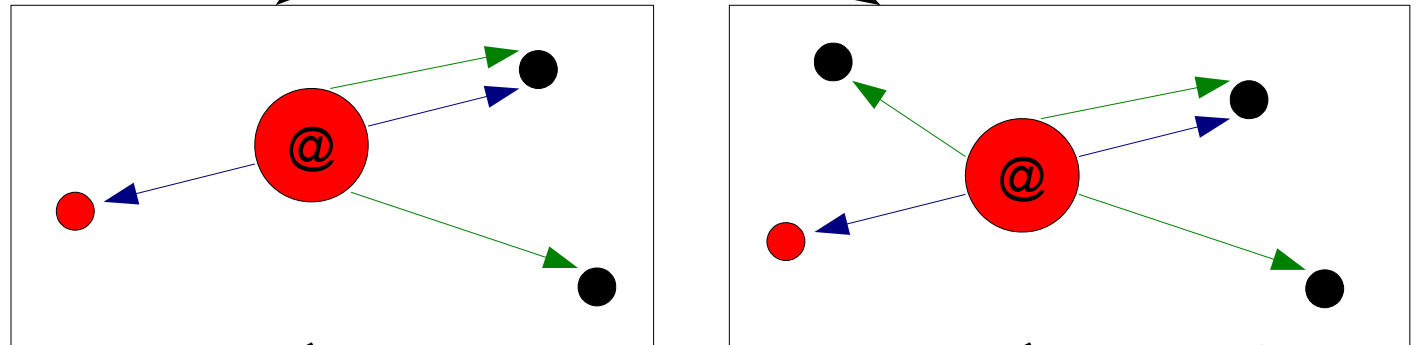
## **Honesty**

Rachael does not believe  $\varphi$ .

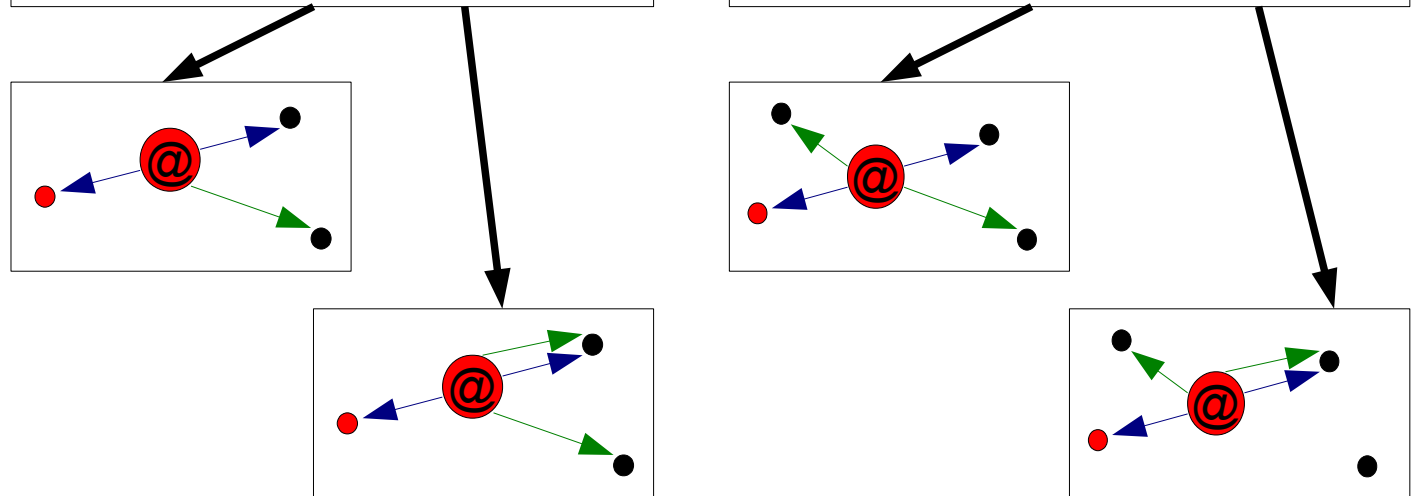
Step 1: for each value of “obvious”, eliminate obviously **inconsistent** worlds, and build a model.



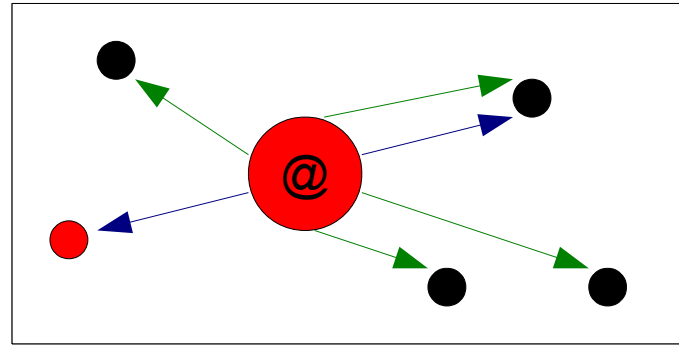
Step 2: build a bunch of models.



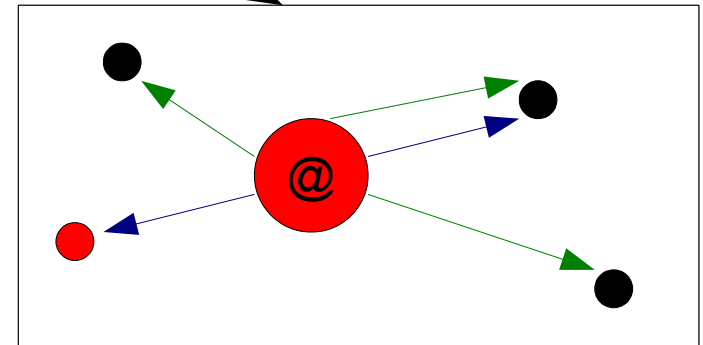
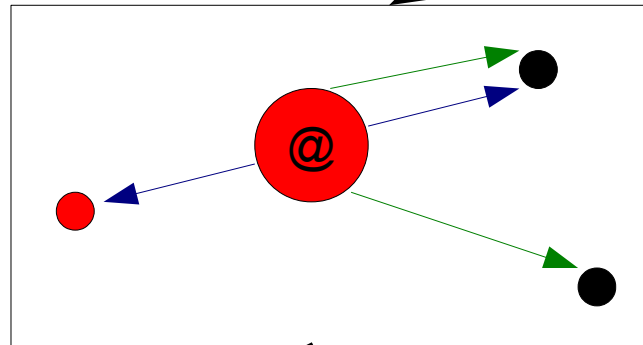
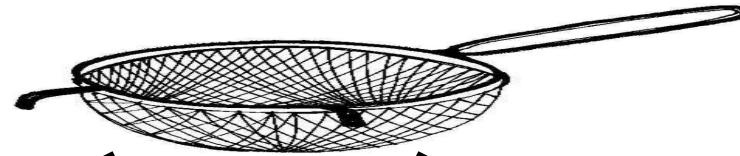
Step 3: in each model, choose a way of throwing away **incomplete** worlds by making them inaccessible (if the agent has a sharper alternative available).



Step 1: start with a model.



Step 2: for each value of "obvious", eliminate obviously **inconsistent** worlds,



Step 3: in each model, choose a way of throwing away **incomplete** worlds by making them inaccessible (if the agent has a sharper alternative available).

