

## Homework 7

1. Suppose a judgement is of the form:

$$\textit{Alice says } S \wedge \textit{Bob says } S \vdash \textit{Bob says } S \wedge \textit{Alice says } S$$

Assume you want to use the inference rule

$$\frac{\Gamma \vdash F_1 \quad \Gamma \vdash F_2}{\Gamma \vdash F_1 \wedge F_2}$$

for constructing a proof of the judgement. What do the premises look like?

2. What are the benefits of using Logic to describe protocols and access control problems?