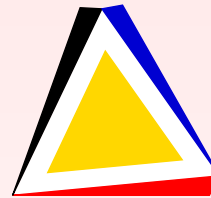

OMEGA

Ressourcenadaptives Beweisplanen

OMEGA Arbeitsgruppe

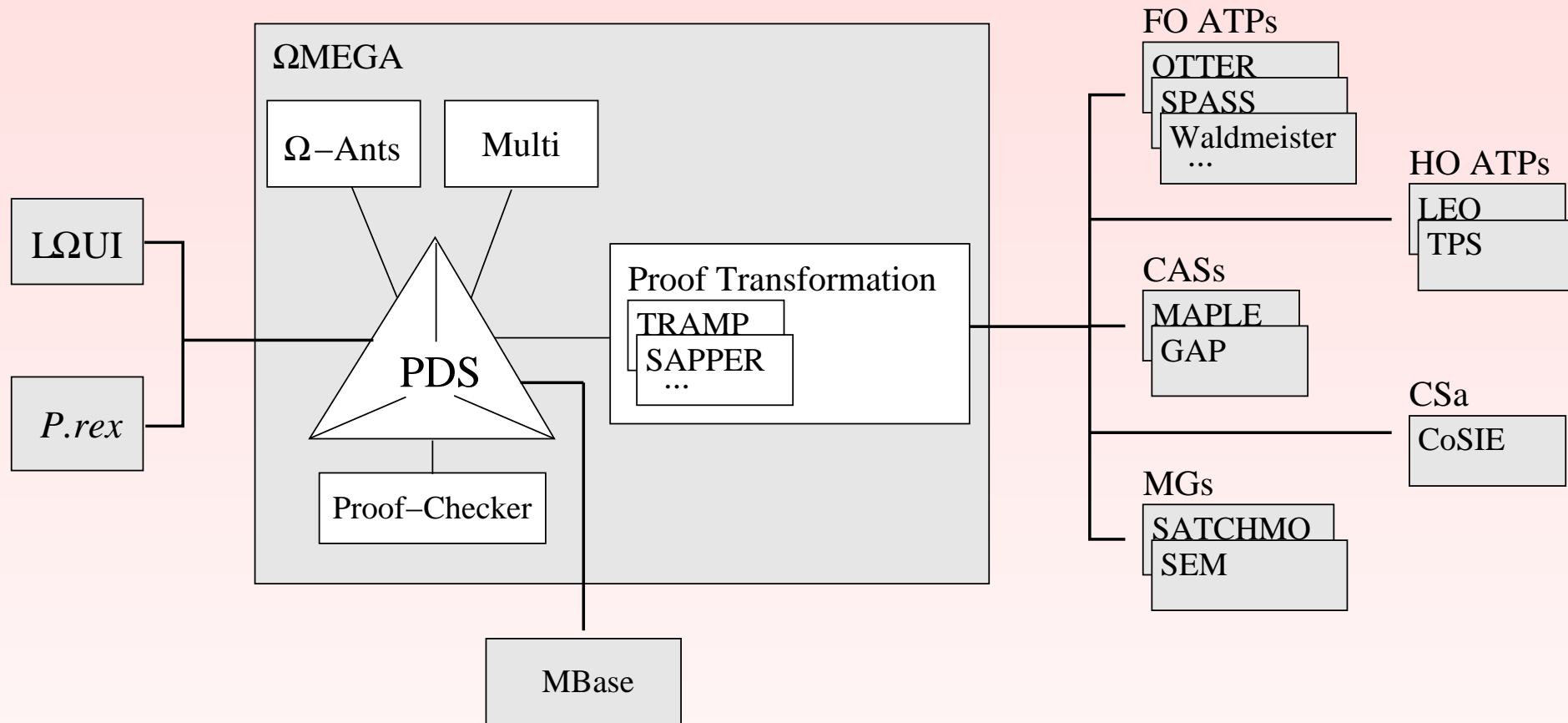


OMEGA System

USER
INTERFACE

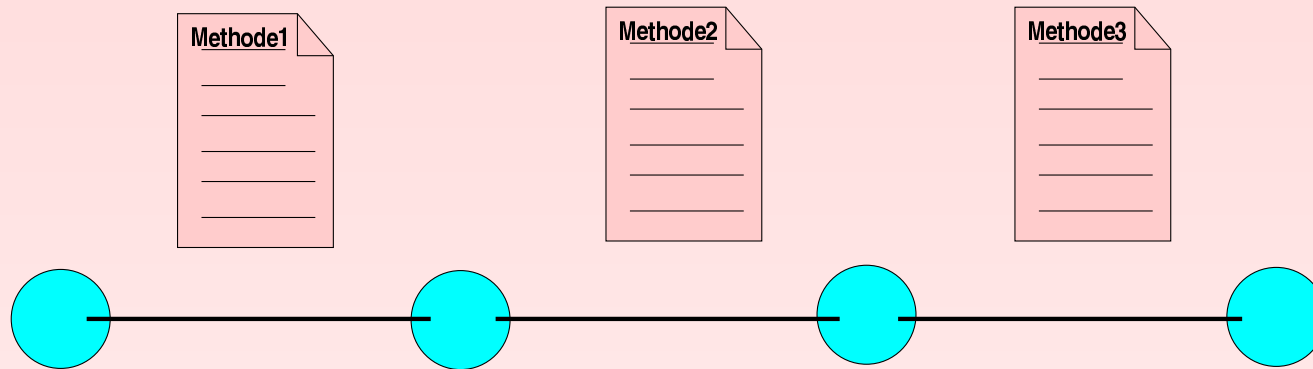
OMEGA CORE SYSTEM

EXTERNAL
REASONERS



MATHEMATICAL DATABASE

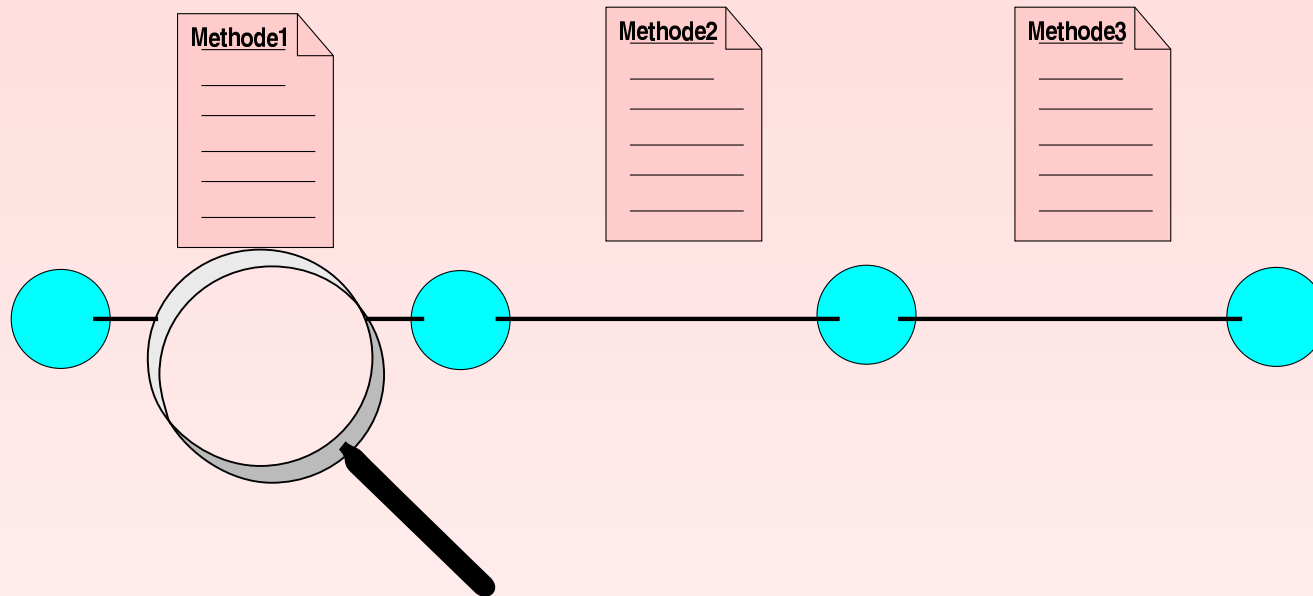
Beweisplanen



$$A \subseteq B, A \subseteq C$$

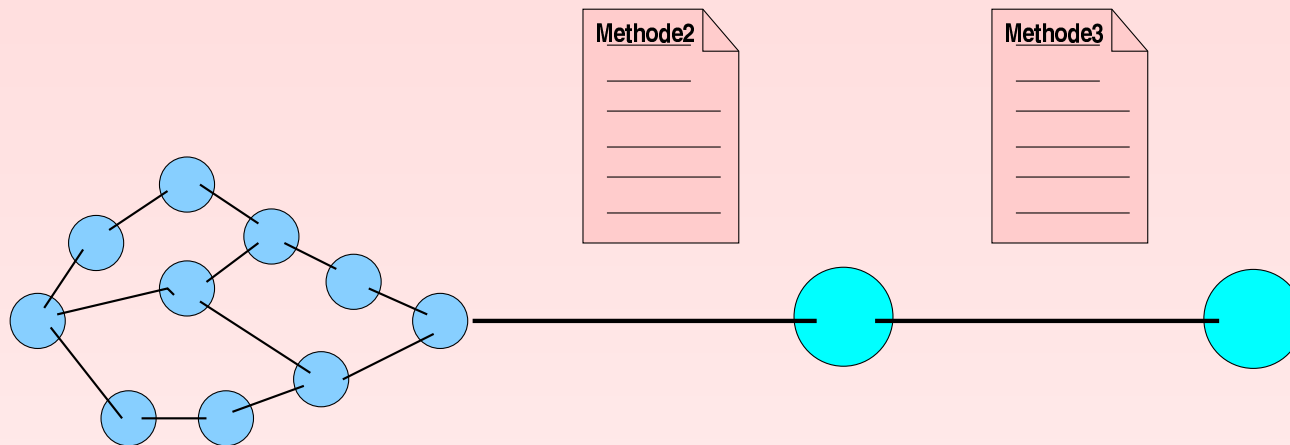
$$A \cap D \subseteq (B \cap C) \cap D$$

Beweisplanen



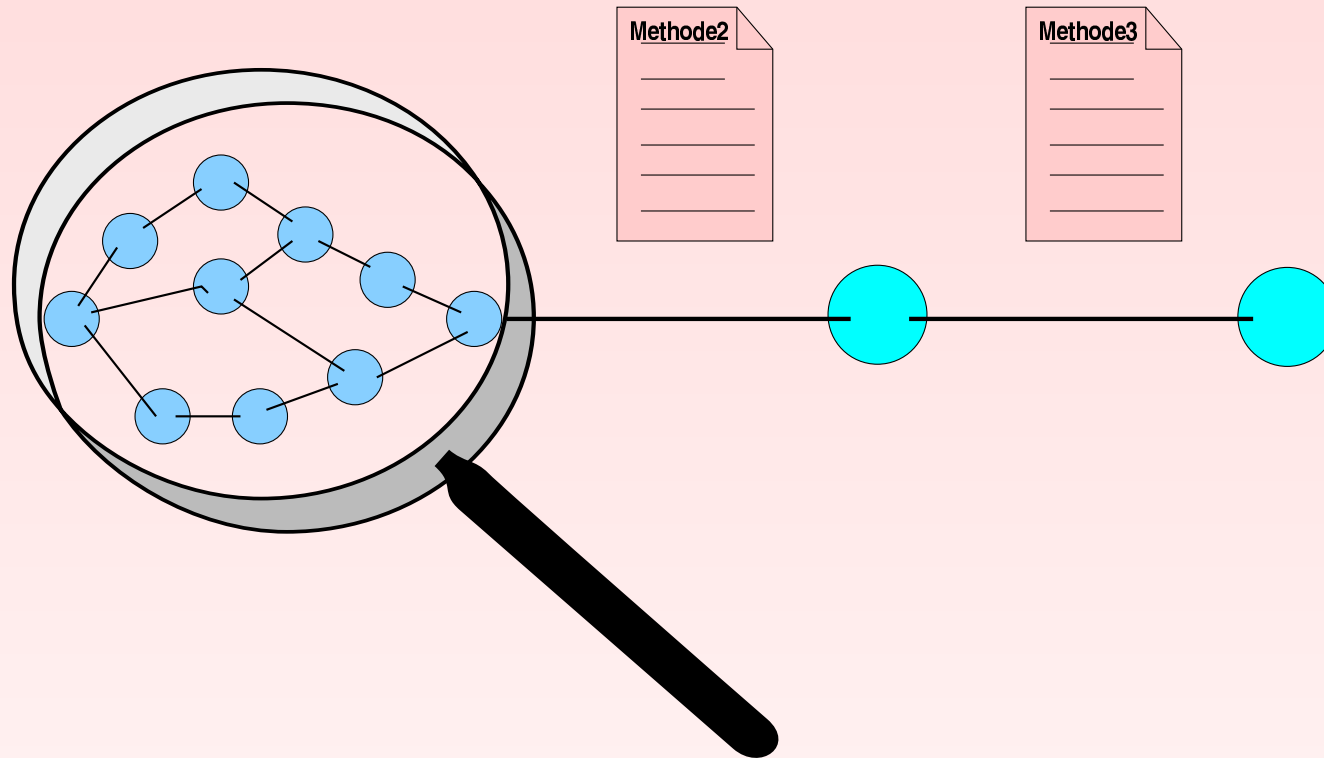
$$\frac{P_1 : A \subseteq B \quad P_2 : A \subseteq C}{C : A \subseteq B \cap C} \subseteq\text{-n-I}$$

Beweisplanen

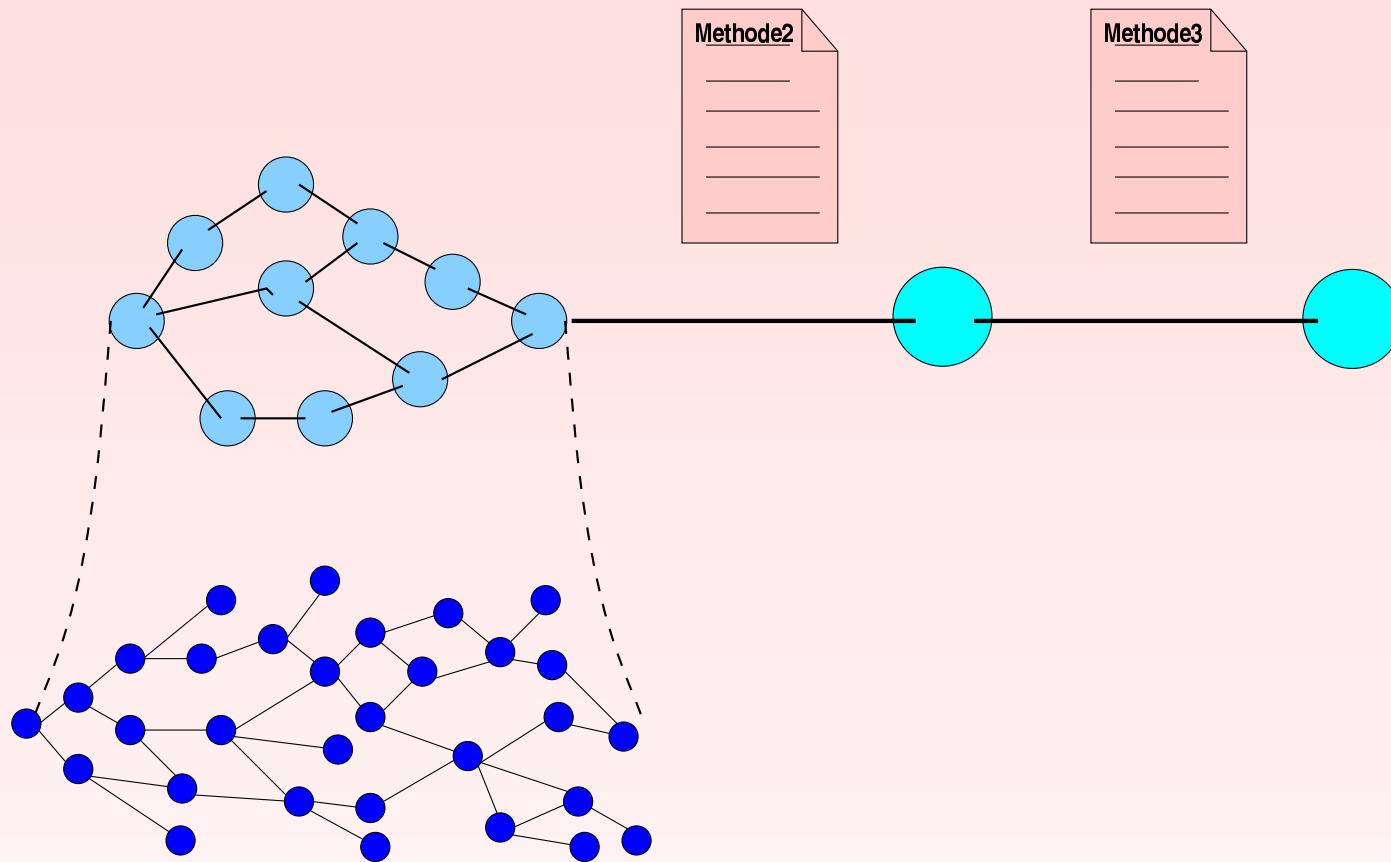


$$\begin{array}{c}
 \frac{P_1 : A \subseteq B}{\forall e. e \in A \Rightarrow e \in B} \text{DefnE} \quad \frac{P_2 : A \subseteq C}{\forall e. e \in A \Rightarrow e \in C} \text{DefnE} \\
 \vdots \text{ natural deduction} \\
 \frac{\forall e. e \in A \Rightarrow (e \in B \wedge e \in C)}{C : A \subseteq B \cap C} \text{DefnI}
 \end{array}$$

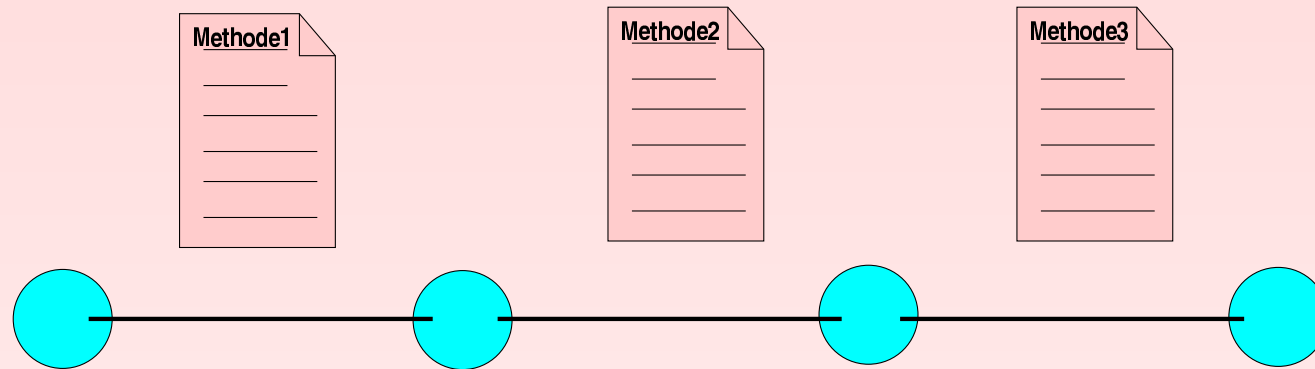
Beweisplanen



Beweisplanen

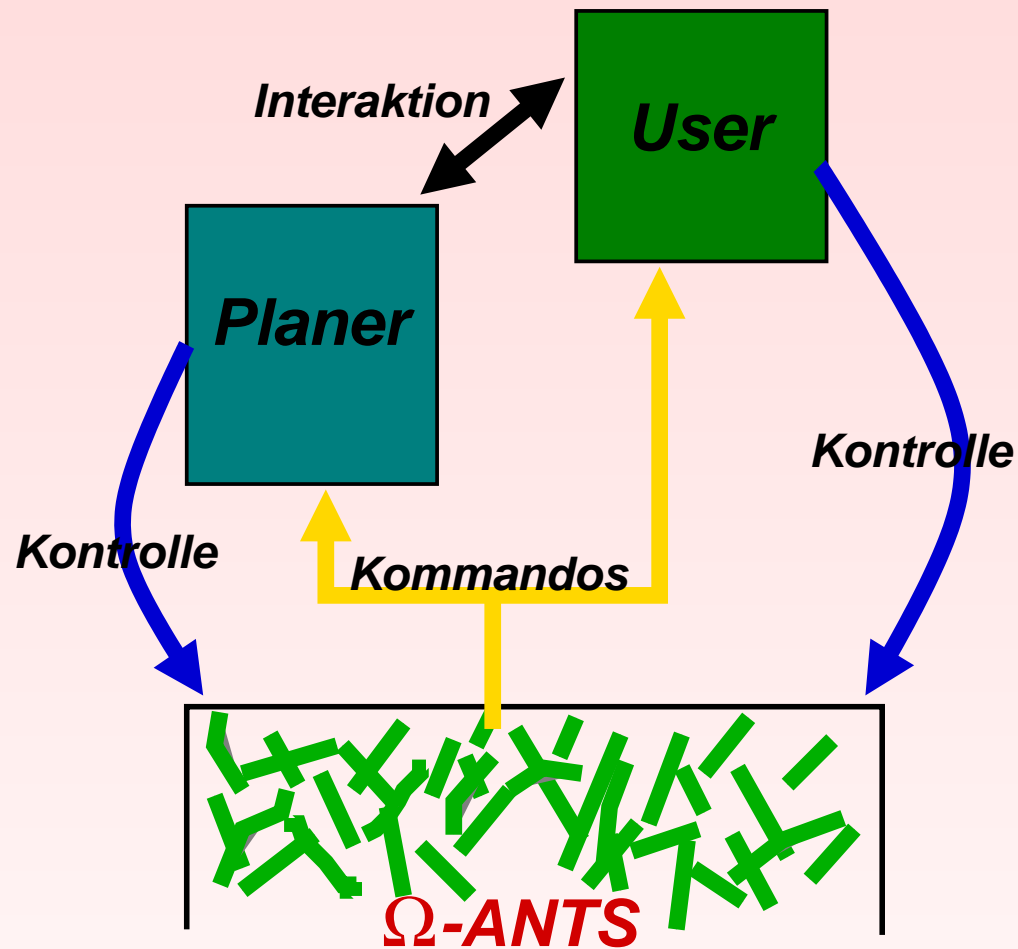


Beweisplanen



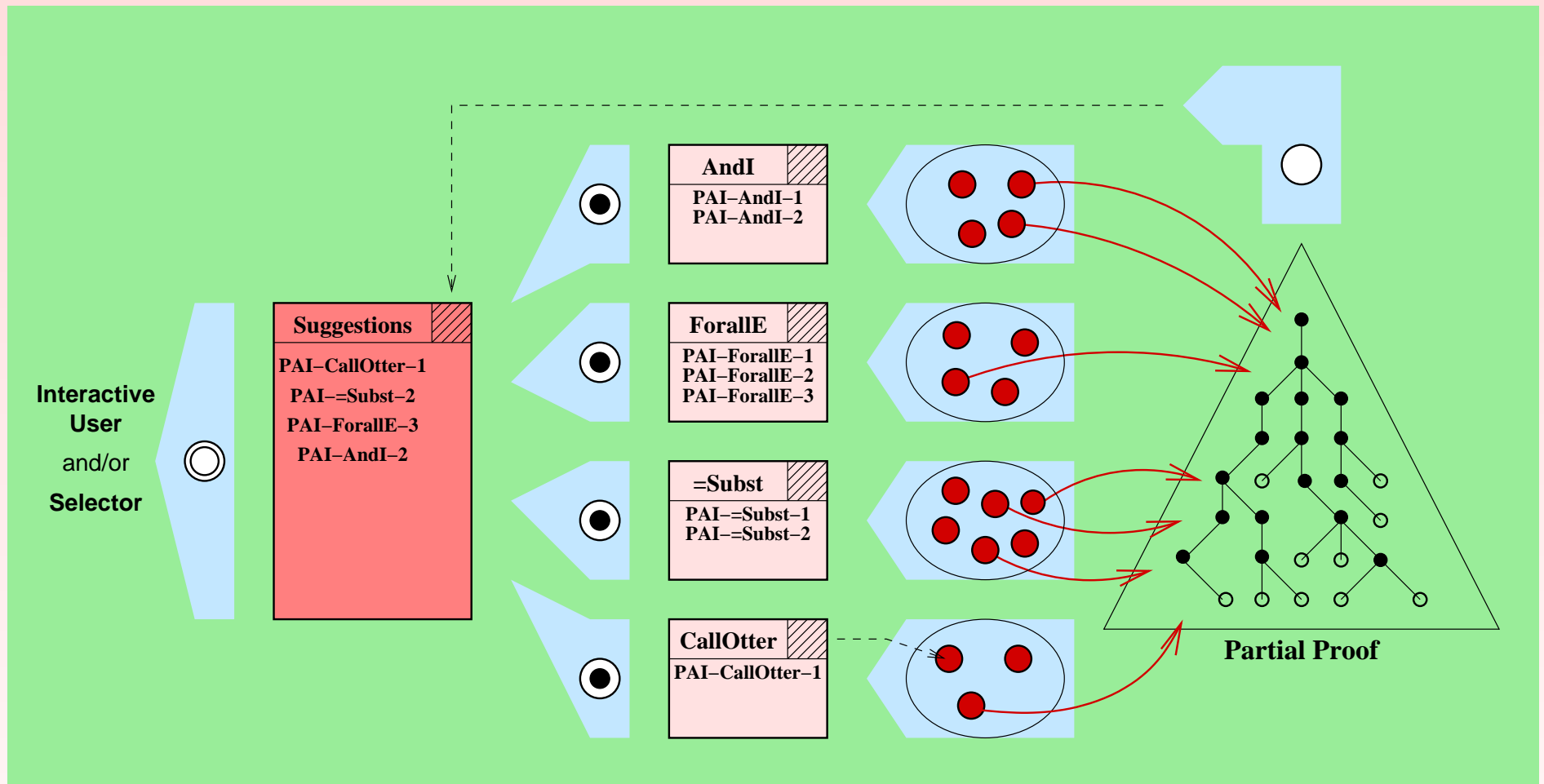
Ressourcen {
■ Wissen
■ Zeit
■ Benutzerinteraktion

Ω -Ants: Idee



$$\frac{P_1 : A \subseteq B \quad P_2 : A \subseteq C}{C : A \subseteq B \cap C} \subseteq\text{-n-I}$$

Ω -Ants: Blackboard Architektur



OMEGA Projekt

