

Very cool title goes here

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#### **Abstract**

Should we have an abstract?  
Can we use Coq to teach? How?

## **1 Introduction**

The goals of the project are:

- Introduce the proof assistant
- Compare with other proof assistants
- Show how to encode propositional logic (first-order logic too?)
- Present it as a tool that can help learning logic concepts and direct proofs (I mean direct proofs in opposition to other tools that implement resolution)

## **2 Coq - The proof assistant**

Talk about the proof assistant. Explain the main differences when compared to other proof assistants.

## **3 Propositional Logic**

## **4 First-order Logic**