Logical Frameworks

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Tasks

- Represent syntax
 - œ logic
 - ce programming language
- Represent valid rules of inference
 - ce inference rules
 - ce typing and operational rules
- Represent valid deductions
 - ce valid proofs
 - ce well-typed programs, valid executions



Design

Safety Proof Language

Safety Proof Language

Logic, Judgements, Inference rules







LF makes adequacy



Representation (cont'd)





Applications

```
imp_i :
```

