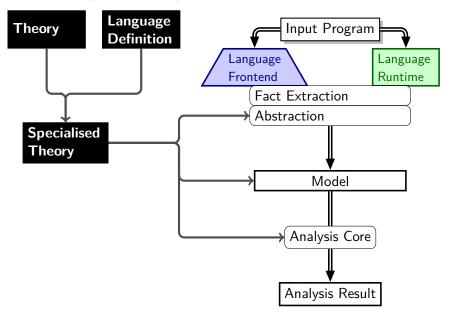


## Announcements

- ► Final Exam slot registration now open
- ► Extra Office Hours: Jan 11/12, 14:00–15:00
- Remaining presentation slots:
  - ▶ 21st and 22nd of December
  - ▶ 11th and 12th of January
- Homework 4: No in-person presentation; send e-mail with results to Christoph with "EDAP15-HW4" in title

## Building a Program Analysis



## Implementation Strategies

Feature	Traditional	RAG	Datalog
Representation	AST +	AST+References	Relations
	References	+Attributes	
Traversal	Visitor	Implicit	Implicit
		(attribute eval)	(eval)
Analysis	Symbol Table	Attributes	Relations
Results			
Desugaring	Rewriting	NTA	"Is-A"
			relations
Fixpoints	Worklist	Circular attr.	Implicit
Info	Visitor state	Synth/Inherit.	Relations
Propagation		Attibututes	
Multi-	Visitor state	Broadcast/ Col-	(Transitive)
Propagation		lection	Relations
Evaluation	Iteration	Top-Down	Bottom-Up
Strategy			or Top-Down