

# Crono

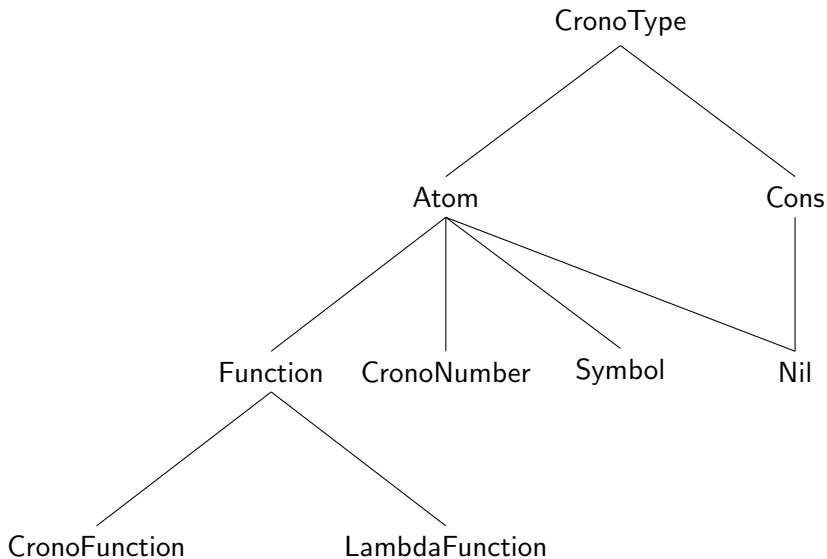
## A new programming language of sorts

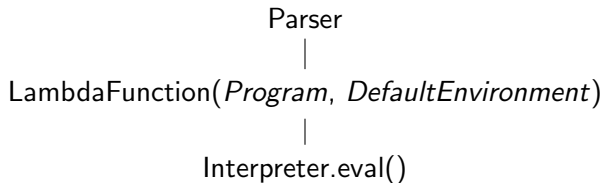
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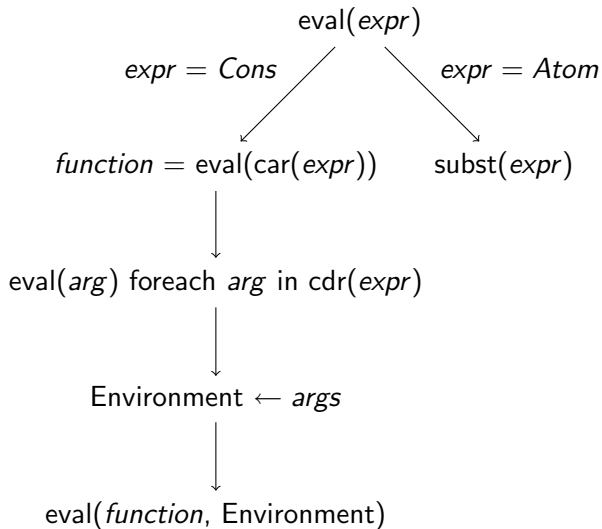
$Program \rightarrow (List \mid Atom)^*$   
 $List \rightarrow ( (List \mid Atom)^* )$   
 $Atom \rightarrow Nil \mid Integer \mid Symbol$   
 $Nil \rightarrow \text{"nil"} \mid ()$

# Types





# Interpreter



# Environment & CronoFunctions

Environment =  $\{Symbol : CronoType\}$

Default environment = {

quote,	let,	if,
cons,	car,	cdr,
define,	lambda,	
add,	subtract,	multiply, divide,
==,	>,	<,
set,	load,	print

}

- Parser and interpreter debug output
- Show/hide atom evaluation
- Show environment during execution
- Use static or dynamic scoping
- Show types in the environment
- Show closures

- Strings
- Haskell-like type checking
- Setting CronoOptions via POSIX command line flags
- Improve and possibly expand CronoOptions
- Extend CronoNumber
- Better error handling