Inheritance and Lookup

5: Lookup in metaclasses

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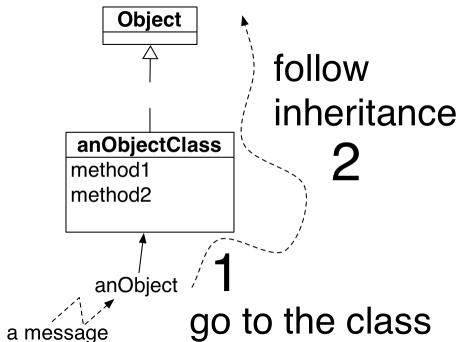http://stephane.ducasse.free.fr/ stephane.ducasse@inria.fr damien.cassou@inria.fr

Goal

- Messages can be sent to classes too
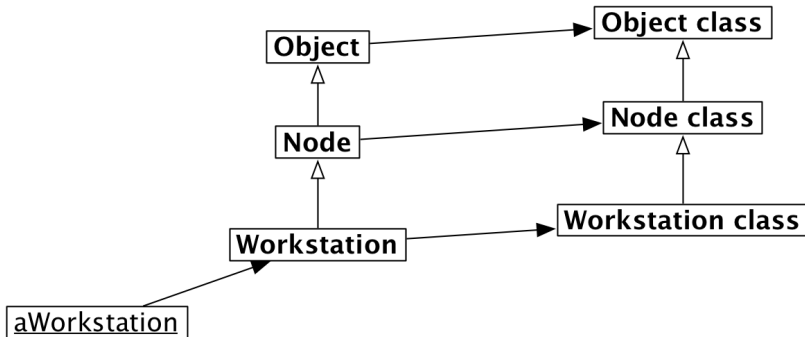- The mechanism is **exactly** the same

Lookup of Class Methods is No Different

- Sending a message to a class is also late-bound (dynamically resolved)
  - contrary to Java/C#
  - no `static`, only methods of another object (a class)
- Only one rule:
  - when a message is sent to an object, a method is searched starting from the class of the object and following the inheritance chain

A Class is an Instance of Another Class

- A class X is always the unique instance of another class X class
  - ▸ The class of Node is Node class

Lookup of Class Methods is No Different

look in
super classes 2

go to
the class

go to the class

name

newNamed: 'Minna'

${slide:What you should Know}