

source files

compiler

object files
without templates
without templates

error messages
error

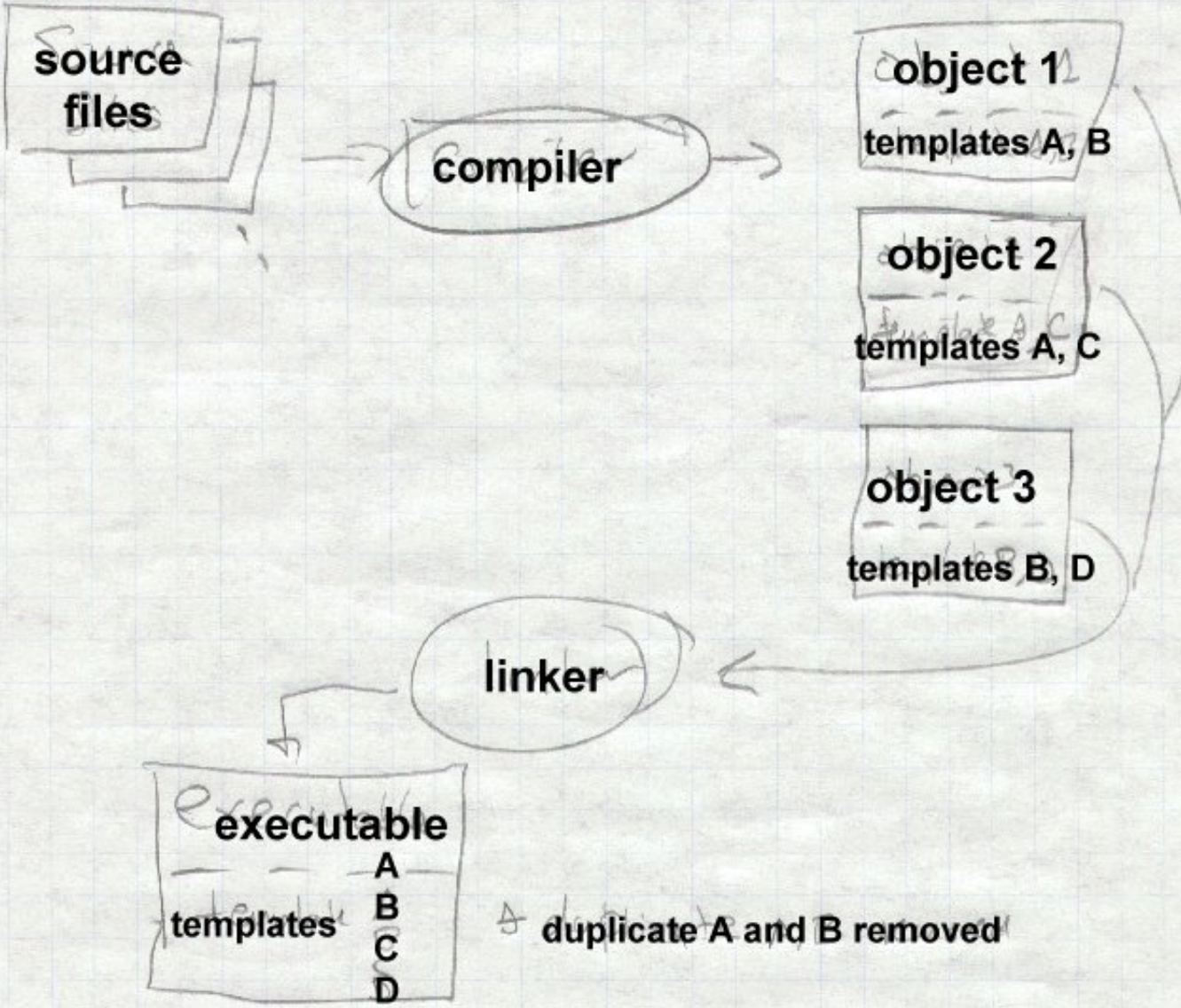
linker

compiler
template
expansion
template

template
objects

executable
with
templates
executable with templates

linker



source files

compiler

object 1
templates A, B

object 2
templates A, C

object 3
templates B, D

linker

executable

templates

A
B
C
D

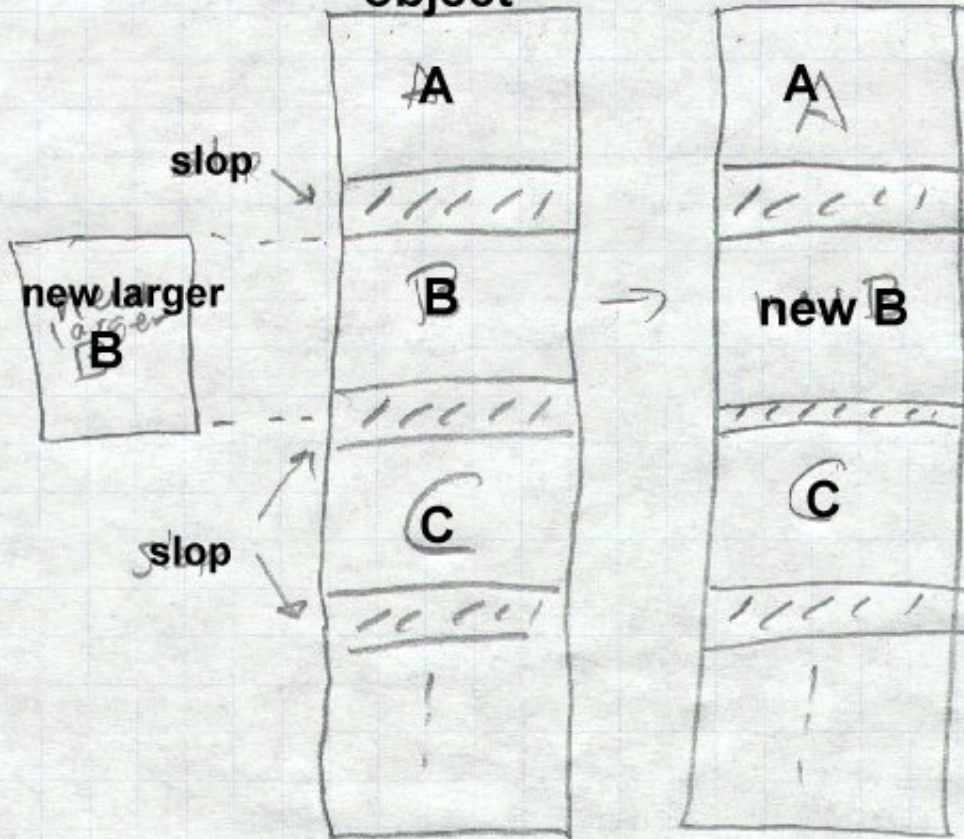
duplicate A and B removed

incrementally

linked
object

updated
version

incrementally linked object



B relinked in place, replaces old B and part of slop and part of C

Class tree

Object



Artist: this is a wavy equal sign to show stuff is omitted

Loading walks

up the class tree

Then linking and initialization walk back down

supersupclass

superclass

class

