A Domain Specific Language for Name Modifiers Favonia

SIZER PERS

Expressiveness **Explicit Sequencing** mplicit Namespaces

Typo Prevention Small Kernel **Algebraic Effects**

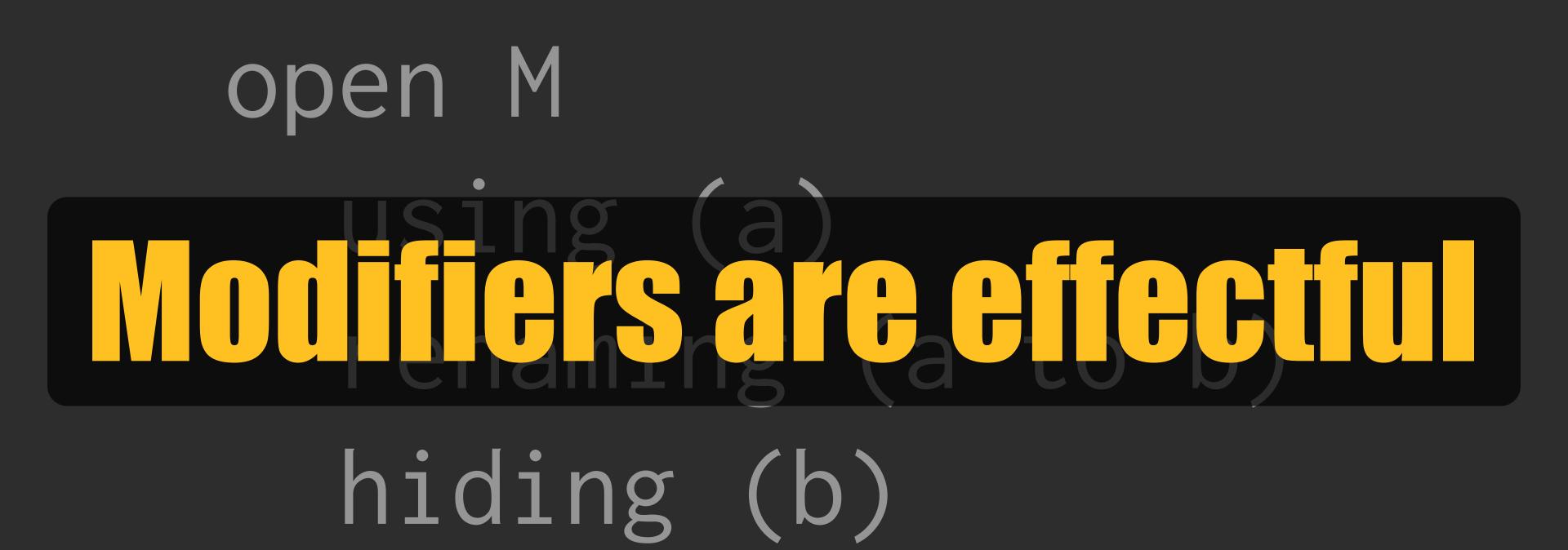


EXPLOSE IVERSES Anything You Can Do, I Can Do Better



open M using (a) renaming (a to b) hiding (b)











module List = struct include List let new_fun = ... end





let List.new_fun = ...

sig Abstraction (+) type t nflexible (-) val x : t Often Impossible (-) end

An expressive language of signatures [Ramsey et al]



Modules are Typed Namespaces are NOT

6

letM.a. = ...Groups of NamesletM.a. x = ...Sharing a PrefixletM.a. y = ...Sharing a PrefixImplicit Namespaces

6

PREMIS Detect Empty Namespaces Make Unions Explicit



A Small Kernel empty-check scoping renaming sequencing union hook (extension)







Expressiveness **Explicit Sequencing** mplicit Namespaces

Typo Prevention Small Kernel **Algebraic Effects**



RACKETS IS Lexical Scoping Unused mports/Defs



