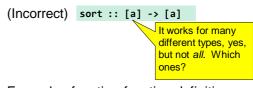


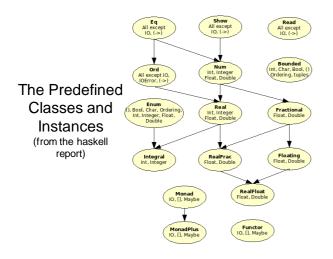
Sands/TDA451/Lecture2B

Efficiency

What is the type of sort?



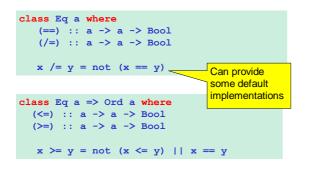
Example of sorting function definitions (demo)



Defining Type Classes

| class Eq a where | |
|-----------------------------------|-------|
| (==) :: a -> a -> | Bool |
| (/=) :: a -> a -> | Bool |
| | |
| <pre>class Eq a => Ord a</pre> | where |
| (<=) :: a -> a -> | Bool |
| $(>=)$ \cdots $=$ $>$ $=$ $>$ | Bool |

Defining Type Classes



Type Classes vs C++/Java...

Haskell type classes not used so often for e.g. abstract datatypes. Encapsulation usually handled using **modules**

See http://www.haskell.org/haskellwiki/ OOP_vs_type_classes for discussion