TYPES WITH CLASS

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Type classes are a way to overload functions or operators by putting constraints on polymorphism.

For example, we have seen that:

is not OK because we want to restrict addition to numbers.

Likewise,

is not OK because it is not clear a priory how to compare to arbitrary types.

To address this issue Haskell provides type classes. These restrict the polymorphism. For example:

says that the type a must be a numeric type, and

says that a must be orderable.