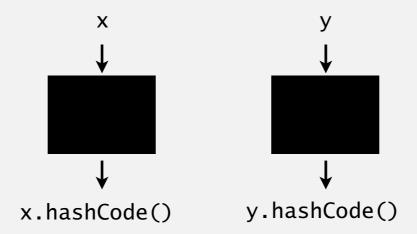
Java's hash code conventions

All Java classes inherit a method hashCode(), which returns a 32-bit int.

Requirement. If x.equals(y), then (x.hashCode() == y.hashCode()).

Highly desirable. If !x.equals(y), then (x.hashCode() != y.hashCode()).



Default implementation. Memory address of x.

Legal (but poor) implementation. Always return 17.

Customized implementations. Integer, Double, String, File, URL, Date, ...

User-defined types. Users are on their own.