

# Borrowing and dereferencing traits

- Dereferencing values
  - **Deref** - specify the functionality of dereferencing operations, like `*v`
- Borrowing
  - **Borrow/BorrowMut** - abstract over different kinds of borrowing data; used in data structure that treats owned and borrowed values in equivalent ways; e.g.: `HashMap`
  - **ToOwned** - go from borrowed to owned
  - **Cow** - clone-on-write

# Into

- Conversion by value - transfers ownership into new value
- By the naming convention the operation may not be cheap
- Conversion cannot fail
- Used as method: `a.into()`