

Lambda expressions









































































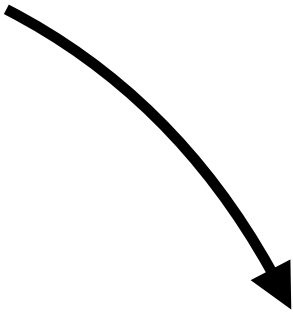


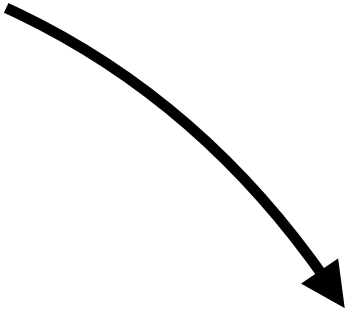
























W























last parameter outside parentheses

default parameter name

feel like language constructs














































































```
fun appLyTwice(i: Int, f: (Int) → Int): Int
```

appTyTwice(2, {n -> n + 2})

$$\text{app}[y_{\text{Twice}}(2)\{n - n + 2\}]$$

Lambda expressions

feel like language constructs

```
fun applyTwice(i: Int, f: (Int) → Int): Int
```

```
applyTwice(2, { n -> n + 2 })
```

last parameter outside parentheses

```
applyTwice(2) { n -> n + 2 }
```

default param name

```
applyTwice(2) { it + 2 }
```

Lambda expressions

HOFs that return a function