

Currying and PAFs



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Currying

```
val superAdder: Int => Int => Int = x => y => x + y

val add3 = superAdder(3) // Int => Int = y => 3 + y
val eight = add3(5)
val eight_v2 = superAdder(3)(5)
```

Methods are not the same as function values

Eta expansion: converting methods to functions

```
def curriedAdder(x: Int)(y: Int): Int = x + y // curried method
val add4: Int => Int = curriedAdder(4)
```

← partial application

Partial applications with _

```
def concatenator(a: String, b: String, c: String) = a + b + c
val insertName = concatenator("Hello, I'm ", _: String, ", how are you?")
```

Scala rocks

