

# Evaluation

What does the expression

```
foldl (flip (:)) [] [1,2,3]
```

evaluate to?

# Evaluation

What does the expression

```
foldl (-) 1 [2,3..]
```

evaluate to?

# Evaluation

What does the expression

```
uncurry zip ([1,2,3],[4,5,6])
```

evaluate to?

# Types

What is the most general type of the expression

`map`

?

# Types

What is the type of the expression

```
map tail ["a","ab","abc"]
```

?

# Types

What is the most general type of the expression

```
map tail
```

?

# Types

What is the most general type of the expression

`zip`

?

# Types

What is the type of the expression

```
zip ["a","ab","abc"] ["bcd","cd","d"]
```

?



# Types

What is the most general type of the expression

```
map zip
```

?

# Evaluation

What does the expression

```
flip zip ["a", "b"] ["c", "d"]
```

evaluate to?

# Types

What is the type of the expression

```
map (uncurry (++)) (zip ["a","ab","abc"] ["bcd","cd","d"])
```

? What does it evaluate to?

# Types

What is the type of the expression

$(3==4) == (5==6)$

?

# Types

What is the most general type of the expression

$\lambda x. \lambda y. (x \rightarrow y)$

?

# Types

What is the most general type of the expression

```
\x -> show (x ++ "\n")
```

?

# Types

What is the most general type of the expression

```
concat (map (\x -> [x, x*x]) [1,2,3])
```

?

# Types

What is the most general type of the expression

```
(9, ["c"] ++ ["d"])
```

?



# Types

What is the most general type of the function `three` defined by

```
three x = (x,x,x)
```

?

# Types

What is the type of the expression

Just ["some text"]

# Types

What is the type of the expression

```
case Just ["some text"] of
  Nothing -> Nothing
  Just xs -> Just (concat xs)
```