`

Char to match

pchar

Char to match

pchar

Parser<Char>

Stream of chars

A\_Parser

Remaining chars

True,False

Stream of chars

pchar

Success: Remaining chars

Char to match

Success: Parsed value

Failure: Message

Stream of chars

pchar

Char to match

Success: Remaining chars

Success: Parsed value

Failure: Message

A function in the world of Parsers

World of normal things

Parser World

char -> string

Parser<char> -> Parser<string>

**map**

A function in the   
world of normal things

A type in the world of Parsers

World of normal values

Parser World

**return**

A type in the world of normal things

string

Parser<string>

**map**

Parser World

Normal World

Parser<a>

a

Parser<b>

b

Parser World

Normal World

Parser<a>

a

Parser<b>

b

A function in the world of Parsers

A function in the world of normal things

a->b

Parser<a>

**map**

Parser<b>

**output**

**apply**

Parser World

Parser<(a->b)>

Parser World

Parser<a>

Parser<b>

**apply**

**output**

**apply**

**apply**

**output**

**lift2**

Parser World

Normal World

a

b

Parser World

c

Normal World

**return**

Parser World

Normal World

a

Parser World

Normal World

Parser<a>

a

A value in the world of normal things

A value in the world of Parsers

Parser<a>

Parser<(a->b)>

Parser<a>

Parser<b>

Parser<(a->b->c)>

Parser<a>

Parser<b>

Parser<c>

Parser<a>

**.>>.**

Parser<b>

Parser<a,b>

**output**

Parser<a>

Parser<b>

Parser<c>