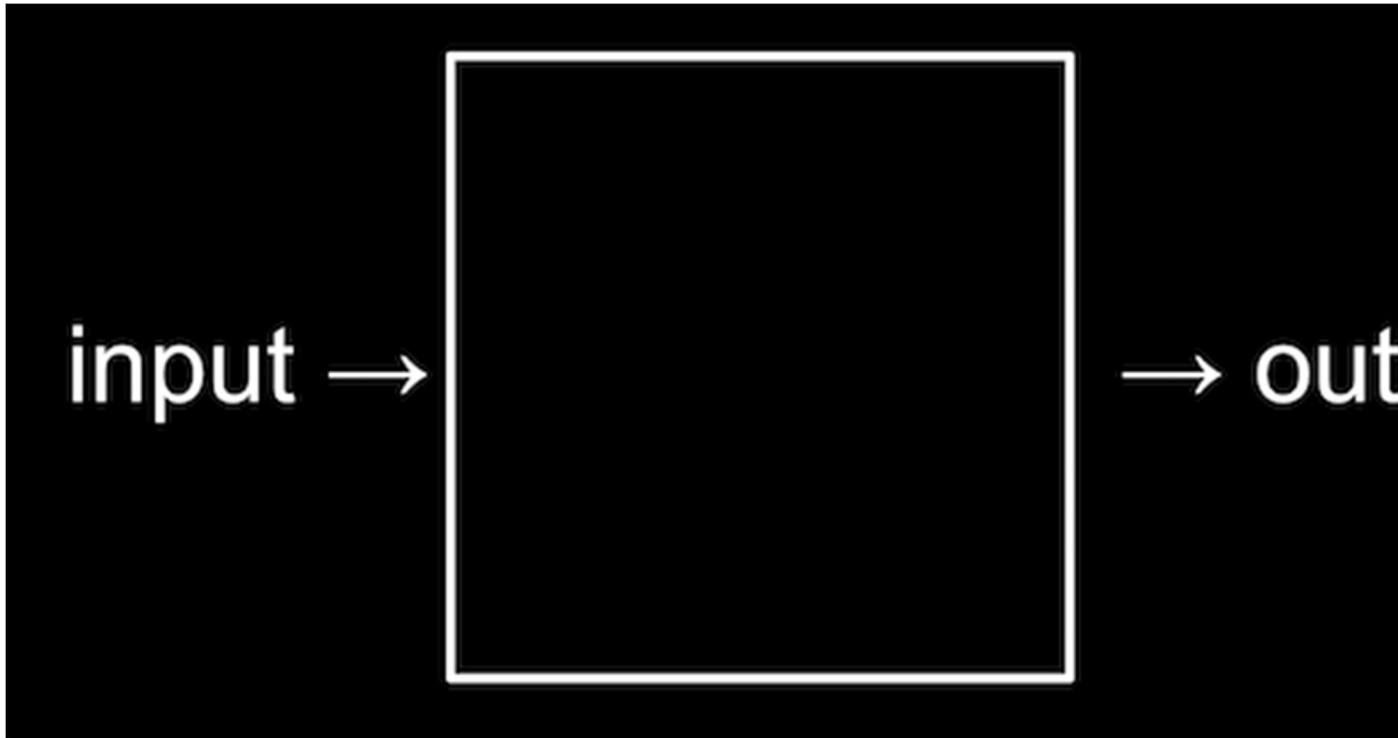


Terms

Computer Program



- . Algorithm

Binary

- . Computers only understand electricity or not electricity
- . Yes / No, True / False, 1 / 0
- . We count in Decimal, there are 10 symbols

- Binary is counting with 2 symbols

123

One Hundred Twenty
Three

Decimal

Hundreds	Tens	Ones
1	2	3

Binary

Fours	Twos	Ones
0	0	0
0	1	1

Binary Is More
Than Numbers

- ASCII, common pattern to translate

- . 65 means "A", 66 means "B"...
- . Computer uses context to figure out what the binary means

Bit: One binary digit Byte: Eight bits

- . Unicode

Abstraction

- . Lower levels are hidden
- . We use easier higher levels

We don't need binary, we'll use a programming language

Pseudocode

- . Not a real programming language, just an abstraction
- . Looks like english
- . Boolean