Practical python programming for Big Data and the scientist

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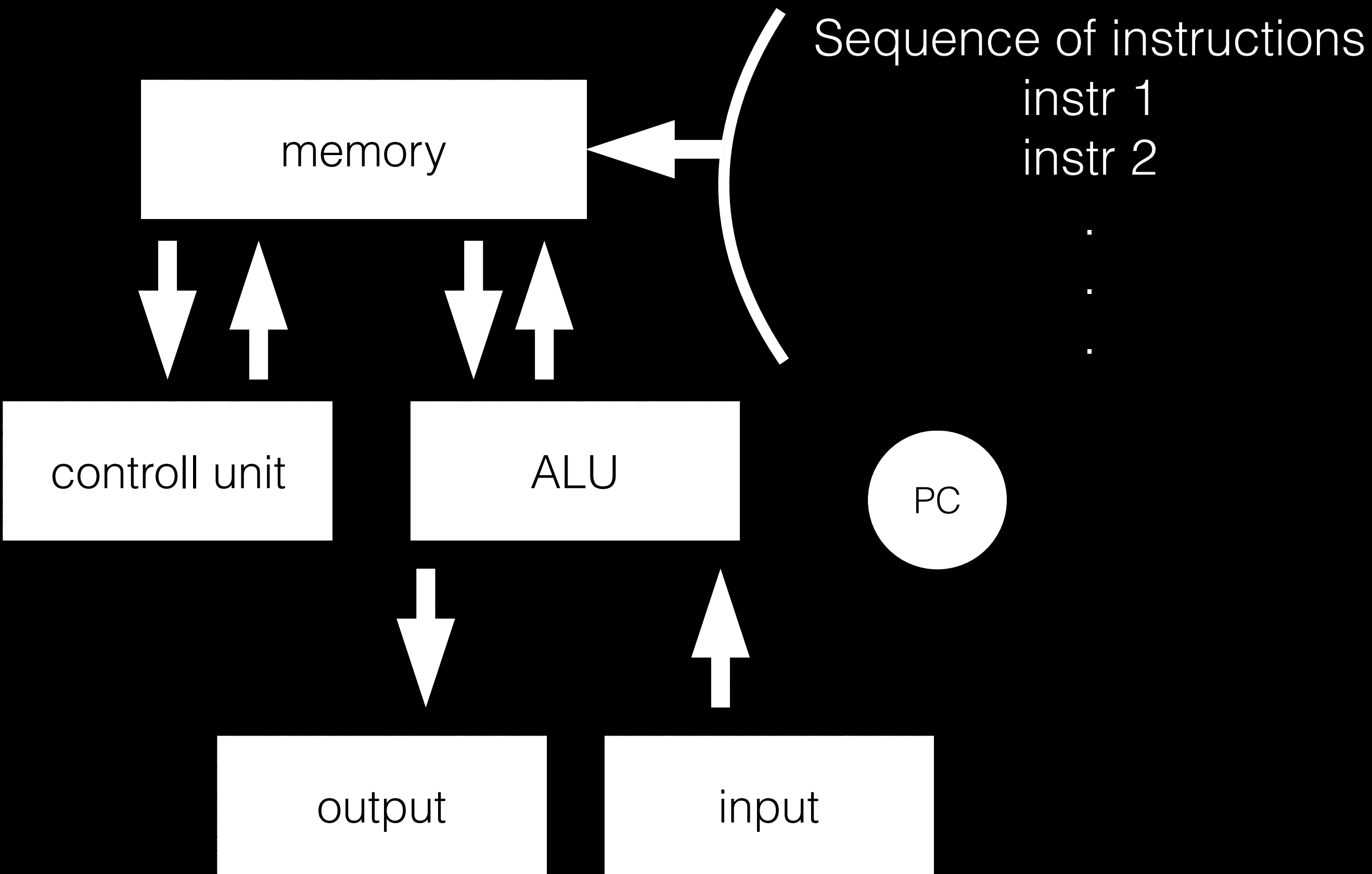
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- Computational thinking

- Understand code (read and write)

- Understand abilities and limits

- Map problems into computations

Think like a computer scientist

Declarative   Imperative

Sequence of instructions
instr 1
instr 2

.

.

.

memory

controll unit

ALU

PC

output

input

A program is a recipe

with a fixed number of primitives a good programmer can create anything

A language to provide meaning

Low	High
General	Targeted
Interpreted	Compiled

BREAK