Selfie

in selfie this is the <u>processor</u>

header

library

compiler

backend
of compiler

interface

frontend
of emulator

emulator

hypervisor

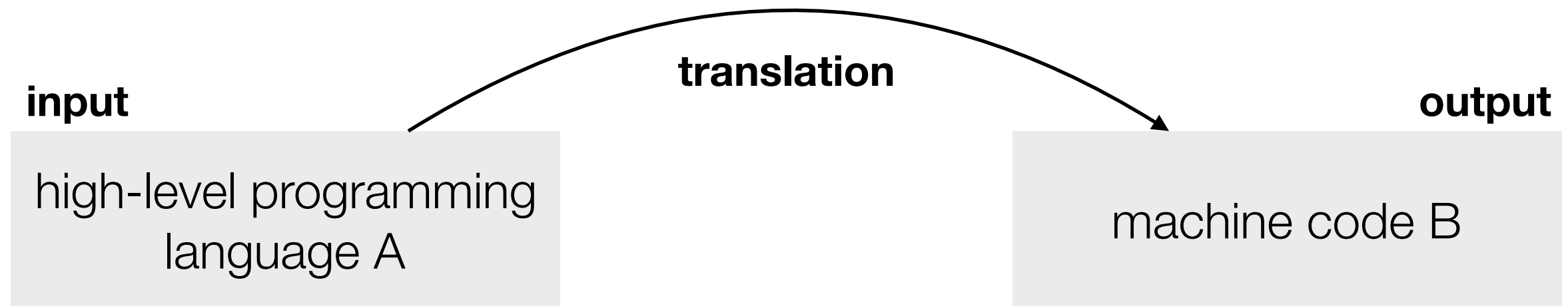SAT solver

main()

in selfie this is the **operating system**

Compiler

input

translation

output

high-level programming language A

machine code B

- The starc compiler written in C* translates C* code (self-referential).

- <u>High-level languages</u> have a structure that defines the control flow.

- <u>Machine code</u> has no structure, it is just bits.

- The compiler reads a sequence of characters (ASCII, UTF-8-encoding).

Selfie

header
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SAT solver
main()

backend of compiler

frontend of emulator

emulator → in selfie this is the <u>processor</u>

hypervisor → in selfie this is the <u>operating system</u>