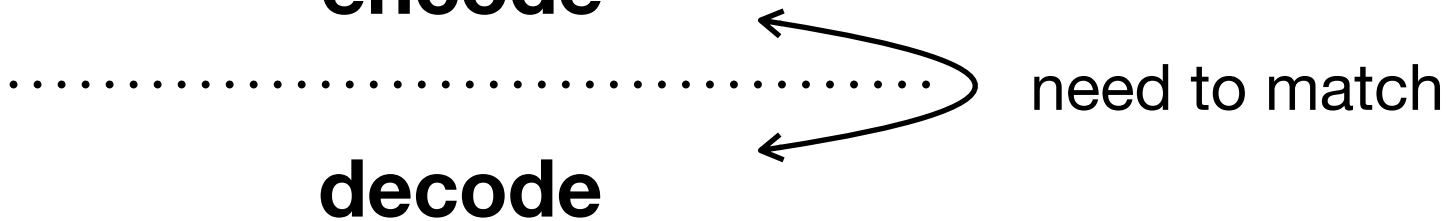
Language Operators

- The compiler has to recognize the operator and generate code for it.

- The processor has to understand the instructions encoded by the compiler and executes them.

- We first expand the processor by implementing a new machine instruction that can then be used by the compiler to generate code.

gets called by the **compiler**



gets called by the **processor**

Implementing Machine Instructions

- Extending the Processor - Implementing machine instructions for `SLL` and `SRL`.

- Before implementing an instruction the **semantics** it is supposed to have must be clear.

- The implementation of an instruction determines its semantics. Truly understanding each instruction is key to understanding the target language generated by the compiler and executed by the processor.

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