

What are valid symbols?

- **What is needed:**

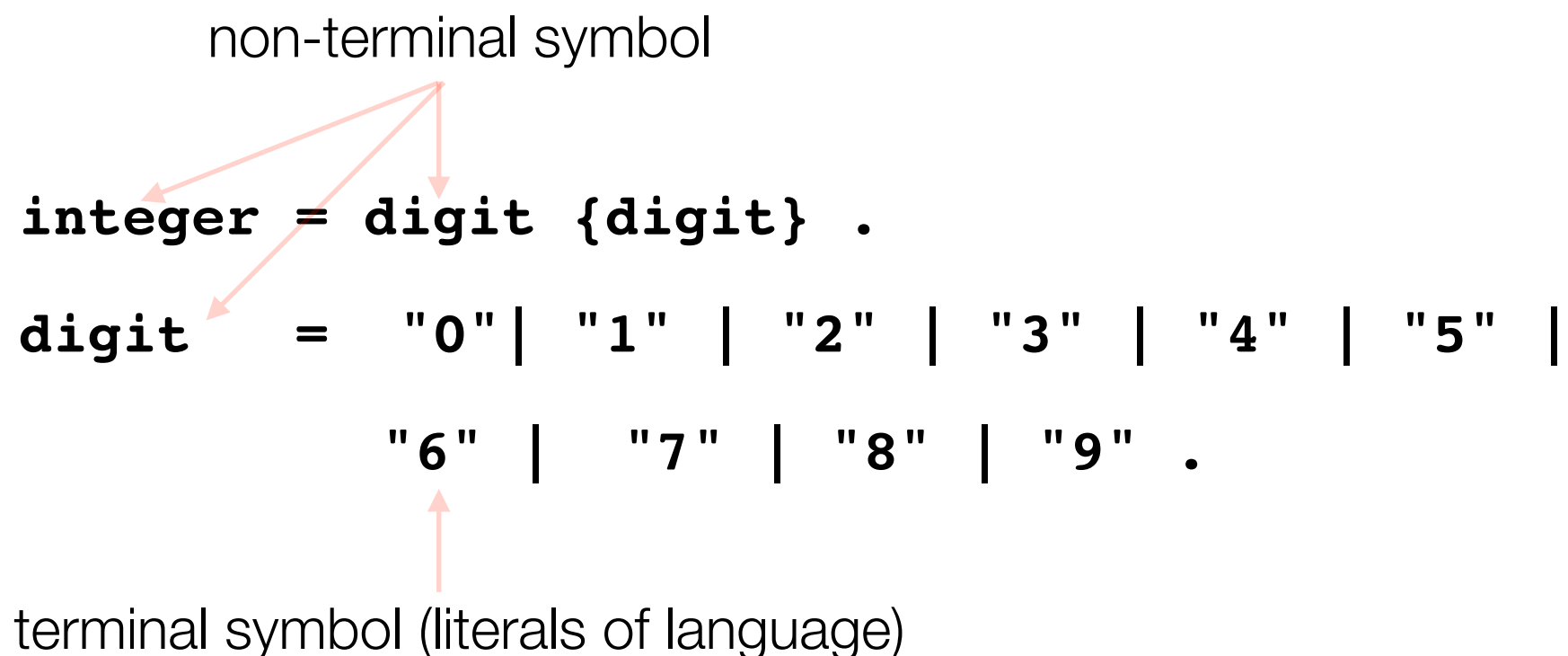
A specification of valid symbols -> regular expression
and a formalism to write such a specification.

- **In selfie...**

the chosen formalism is EBNF (see in the grammar.md
file).

Regular Expression

- Regular expression is a formalism that defines a regular language (= a set of symbols defined by regular expression)
- The production rules consists of terminal symbols, non-terminal symbols and operators (repetition { }, concatenation \sqcup , xor $|$, ...).
- A regular expression can be reduced to **a single rule** by replacing every non-terminal symbol with its right-hand side until no non-terminal symbols are left.



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