

EBNF

-Niklaus Wirth

ebnf = { production } .

production = identifier "=" expression "." .

expression = term { "|" term } .

term = factor { factor } .

factor = identifier | string | "(" expression ")" |
 "[" expression "]" | "{" expression "}" .

string = "" printableCharacter { printableCharacter } "" .

printableCharacters = "a" | ... | "!" .

identifier = "ebnf" | "production" | ... | "identifier" .

The Scanner

- **The problem statement:**

Given a specification of valid symbols where symbols may consist of multiple characters...

...Is a given input (source code) in this specification, or in other words do the characters in the source file form valid symbols according to the specification?

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