

Grammatical Evolution

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Backus-Naur Form

Backus-Naur form (BNF) is a notation for expressing the grammar of a language in the form of production rules.

BNF is represented by the tuple $\{N, T, P, S\}$, where

- T is a set of terminals – items that can appear in the language ($+$, $-$, X , ...),
- N is a set of nonterminals – items that can be further expanded into one or more terminals or nonterminals,
- P is a set of production rules that map the elements of N to T ,
- S is a start symbol that is a member of N .

Remark: Do not mistake terminals/nonterminals used in GP for terminals/nonterminals used in GP!

