

Gramatika $G = (\{ \text{document, math, brackets, curlyBracketsContent, squareBracketsContent, command, text, primitivesParam, accentParam, letters, digits, repeatText, repeatDigit, squareBrackets, curlyBrackets, squareBracketsOPT, inputParam} \}, \{ \text{IDENTIFICATOR, ACCENT, KEYWORD_PRIMITIVE, KEYWORD_INPUT, KEYWORD_DEF, KEYWORD_DEFINE, SQUAREBRACKETL, SQUAREBRACKETR, CURLYBRACKETL, CURLYBRACKETR, MATHBLOCK, MATHLINE, LETTER, DIGIT, SPECIALCHAR} \}, P, \text{document})$, kde P obsahuje pravidla:

- (1) document $\rightarrow \epsilon$
- (2) document $\rightarrow \text{command document}$
- (3) document $\rightarrow \text{text document}$
- (4) document $\rightarrow \text{MATHLINE math MATHLINE document}$
- (5) document $\rightarrow \text{MATHBLOCK math MATHBLOCK document}$
- (6) math $\rightarrow \text{command math}$
- (7) math $\rightarrow \text{text math}$
- (8) math $\rightarrow \epsilon$
- (9) brackets $\rightarrow \text{squareBrackets brackets}$
- (10) brackets $\rightarrow \text{curlyBrackets brackets}$
- (11) brackets $\rightarrow \epsilon$
- (12) curlyBracketsContent $\rightarrow \text{command curlyBracketsContent}$
- (13) curlyBracketsContent $\rightarrow \text{text curlyBracketsContent}$
- (14) curlyBracketsContent $\rightarrow \text{MATHLINE math MATHLINE curlyBracketsContent}$
- (15) curlyBracketsContent $\rightarrow \text{MATHBLOCK math MATHBLOCK curlyBracketsContent}$
- (16) curlyBracketsContent $\rightarrow \epsilon$
- (17) squareBracketsContent $\rightarrow \text{command squareBracketsContent}$
- (18) squareBracketsContent $\rightarrow \text{text squareBracketsContent}$
- (19) squareBracketsContent $\rightarrow \text{MATHLINE math MATHLINE squareBracketsContent}$
- (20) squareBracketsContent $\rightarrow \text{MATHBLOCK math MATHBLOCK squareBracketsContent}$
- (21) squareBracketsContent $\rightarrow \epsilon$
- (22) command $\rightarrow \text{IDENTIFICATOR brackets}$
- (23) command $\rightarrow \text{ACCENT accentParam}$
- (24) command $\rightarrow \text{KEYWORD_INPUT inputParam}$
- (25) command $\rightarrow \text{KEYWORD_DEF brackets}$
- (26) command $\rightarrow \text{KEYWORD_DEFINE brackets}$
- (27) command $\rightarrow \text{KEYWORD_PRIMITIVE primitivesParam}$
- (28) text $\rightarrow \text{LETTER repeatText}$
- (29) text $\rightarrow \text{SPECIALCHAR repeatText}$
- (30) text $\rightarrow \text{digits repeatText}$
- (31) text $\rightarrow \text{SQUAREBRACKETL repeatText}$
- (32) text $\rightarrow \text{SQUAREBRACKETR repeatText}$
- (33) repeatText $\rightarrow \text{text}$
- (34) repeatText $\rightarrow \epsilon$
- (35) digits $\rightarrow \text{DIGIT repeatDigit}$
- (36) repeatDigit $\rightarrow \text{digits}$
- (37) repeatDigit $\rightarrow \epsilon$
- (38) primitivesParam $\rightarrow \text{CURLYBRACKETL curlyBracketsContent CURLYBRACKETR}$
- (39) primitivesParam $\rightarrow \text{LETTER LETTER digits LETTER LETTER CURLYBRACKETL curlyBracketsContent CURLYBRACKETR}$
- (40) accentParam $\rightarrow \text{CURLYBRACKETL LETTER CURLYBRACKETR}$
- (41) accentParam $\rightarrow \text{LETTER}$
- (42) squareBrackets $\rightarrow \text{SQUAREBRACKETL squareBracketsContent SQUAREBRACKETR}$
- (43) curlyBrackets $\rightarrow \text{CURLYBRACKETL curlyBracketsContent CURLYBRACKETR}$
- (44) squareBracketsOPT $\rightarrow \text{SQUAREBRACKETL squareBracketsContent SQUAREBRACKETR}$
- (45) squareBracketsOPT $\rightarrow \epsilon$
- (46) inputParam $\rightarrow \text{text}$