Context-free grammar

Finish   ->   .Expression

Expression   ->   .Expression + Term
Expression   ->   .Expression - Term

Expression   ->   .Term
Expression   ->   .Term * Factor
Expression   ->   .Term / Factor

Term   ->   .Factor

Factor   ->   .number
Factor   ->   .-number

Factor   ->   .(Expression)

State machine diagram

S13 (FINISH)

S1(SHIFT)
Finish   ->   Expression.
Expression   ->   Expression. + Term
Expression   ->   Expression. - Term

S6 (REDUCE)
Expression   ->   Term * Factor.
Expression   ->   Term / Factor.

S5(SHIFT)
Expression   ->   Term *. Factor
Expression   ->   Term /. Factor
Factor   ->   .number
Factor   ->   .-number
Factor   ->   .(Expression)

S4(SHIFT)
Expression   ->   Term.
Expression   ->   Term. * Factor
Expression   ->   Term. / Factor

START
Finish   ->   .Expression
Expression   ->   .Expression + Term
Expression   ->   .Expression - Term
Expression   ->   .Term
Expression   ->   .Term * Factor
Expression   ->   .Term / Factor
Term   ->   .Factor
Factor   ->   .number
Factor   ->   .-number
Factor   ->   .(Expression)

S7 (REDUCE)
Term   ->   Factor.

S8 (REDUCE)
Factor   ->   number.

S2(SHIFT)
Expression   ->   Expression +. Term
Expression   ->   Expression -. Term
Term   ->   .Factor
Factor   ->   .number
Factor   ->   .-number
Factor   ->   .(Expression)

S12 (REDUCE)
Factor   ->   (Expression).

S11(SHIFT)
Factor   ->   (Expression.)
Expression   ->   Expression. + Term
Expression   ->   Expression. - Term

S9(SHIFT)
Factor   ->   -.number

S3 (REDUCE)
Expression   ->   Expression + Term.
Expression   ->   Expression - Term.

S10(SHIFT)
Factor   ->   (.Expression)
Expression   ->   .Expression + Term
Expression   ->   .Expression - Term
Expression   ->   .Term
Expression   ->   .Term * Factor
Expression   ->   .Term / Factor
Term   ->   .Factor
Factor   ->   .number
Factor   ->   .-number
Factor   ->   .(Expression)