

character classes

$[\$a g x O]^*$

\Leftrightarrow

$(\$|a|g|x|O)^*$

$[a..g \$ x]$

\Leftrightarrow

$(a|b|c|d|e|f|g|\$|x)$

$[a..z A..Z O..9]$

$[\wedge a..z]$

\Leftrightarrow any letter that is not in $[a..z]$
a lower-case letter.

$[\wedge " \backslash n]$

any char
 $\neq "$
 $\neq \backslash n$

$"[\wedge " \backslash n]^*"$

string

"foo"

"foo"

"

~~X~~

"

floating Literal: $([0..9]^+ \cdot [0..9]^*) (E (+|-)? [0..9]^+)^?$

optional

3.4 ✓

.4 X

4. X

3123.4915 ✓

E+02 ✓

E-14 ✓

E05 ✓

E5 ✓