Digit

Success double

end

end

end

end

Failed

Failed

L or l

F or f

Digit

+ or -

Post Exponent

Digit

Success double

Digit

L or l

F or f

E or e

E or e

Digit

Digit

point

digit

point

Long Double/success

Float/success

Failed

Digit

Digit

Failed

Failed

Failed

Failed

Failed

Whole

long

Exponent with sign

Float

Fractional

Not whole

Exponent

Start