

LOG

Takes the natural logarithm of a value.

Syntax

```
Result = SRP_Math("LOG", Value, "", DecimalPlaces, ScientificNotation)
```

Returns

The natural logarithm of *Value*.

Remarks

The LOG operation computes the natural logarithm (base 2.718) of *Value*. Value must be a positive non-zero number, else the following error is returned.

```
"ERROR: Value must be > 0."
```

Example

```
// Take the natural log of PI
Val = "3.1415926535897932384626433832795"
Result = SRP_Math("LOG", Val)
!! Result = 1.14472988584940017414342735135306 !!
```

```
// Attempting to take the natural log of 0 results in an error
Result = SRP_Math("LOG", 0)
!! Result = "ERROR: Value must be > 0." !!
```