**NMATH**

**Build AST**

Expression

Domain

For convenience, below rules shall be applied in processing interval domain.

* Variables are always on the left children.

Interval 1

The NMAST for above interval will look like:

Type: **GT\_LT | GTE\_LT | GT\_LTE | GTE\_LTE**

Variable: **x**

Type: **NUMBER | PI\_TYPE | E\_TYPE**

Value: left\_bound

Type: **NUMBER | PI\_TYPE | E\_TYPE**

Value: right\_bound

For example:

Interval 2

Type: **GT\_LT | GTE\_LT | GT\_LTE | GTE\_LTE**

Variable: **x**

Type: **NUMBER | PI\_TYPE | E\_TYPE**

Value: left\_bound

Type: **NUMBER | PI\_TYPE | E\_TYPE**

Value: right\_bound