

## 0.0.1 Subcircuit Call

# X

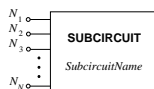


Figure 1: X — subcircuit call element.

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### SPICE Form:

Xname  $N_1$  [ $N_2$   $N_3$  ...  $N_N$ ] SubcircuitName

$N_1$  is the first node of the subcircuit.

$N_N$  is the  $N$ th node of the subcircuit.

*SubcircuitName* is the name of the subcircuit.

**PARAMS:** indicates that parameters are to be passed to the subcircuit.

**keyword:** is keyword corresponding to the keywords defined in the .SUBCKT statement.

**value:** is numeric value.

**Expression:** is an algebraic expression which evaluates to a numeric value.

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### Example:

X1 2 4 17 3 1 MULTI

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### Description:

Subcircuits are incorporated by using the “X” element. The number of nodes of the “X” element must correspond to the number of nodes in the definition of the subcircuit (i.e. is on the .SUBCKT statement).

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### Notes:

The actual element in *f*REEDA™ is the X element. See X for full documentation.

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