

# is followed by notes, which is optional.  
 $i, i_n, j, j_n$  and  $k_n$  are integers;  $x$  is a real number.

# circuit description

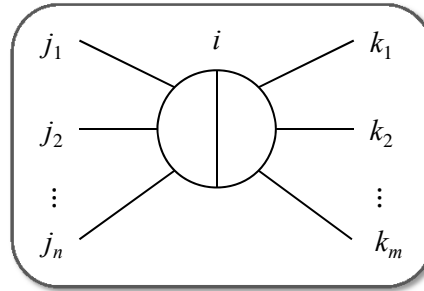
INPUT( $x$ ) =  $w[i, j]$

OUTPUT( $x$ ) =  $w[i, j]$  or Fluor[ $i$ ]

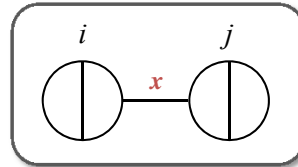
# input name

# output name

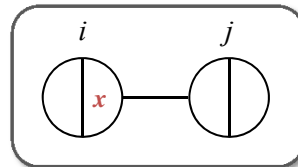
seesaw[ $i, \{j_1, j_2, \dots, j_n\}, \{k_1, k_2, \dots, k_m\}$ ]



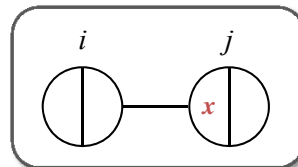
conc[ $w[i, j], x * c$ ]



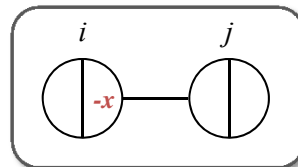
conc[ $g[i, w[i, j]], x * c$ ]



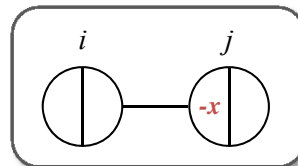
conc[ $g[w[i, j], j], x * c$ ]



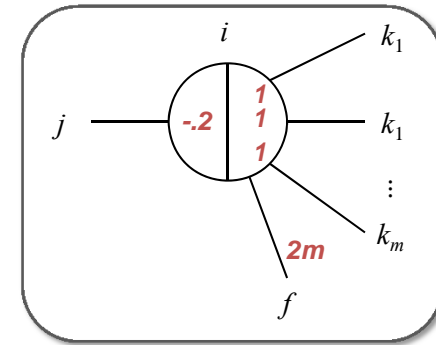
conc[ $th[i, w[i, j]], x * c$ ]



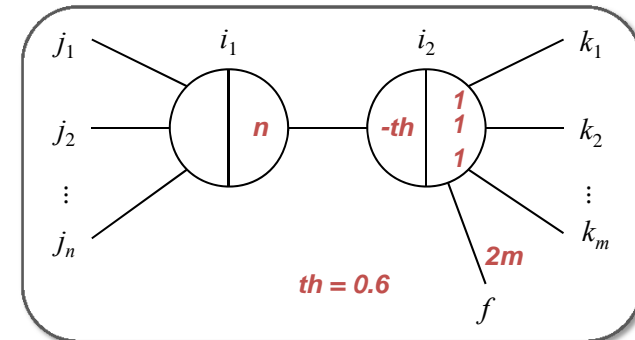
conc[ $th[w[i, j], j], x * c$ ]



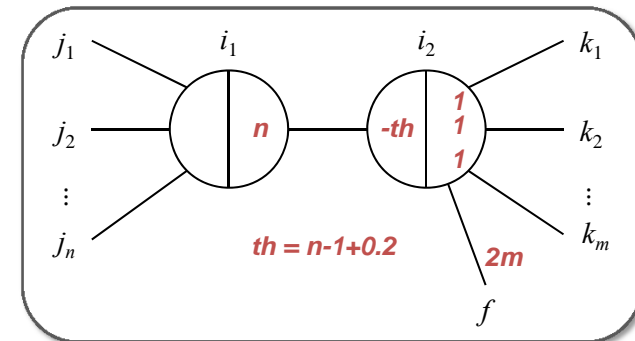
inputfanout[ $i, j, \{k_1, k_2, \dots, k_m\}$ ]



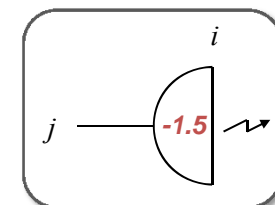
seesawOR[ $i_1, i_2, \{j_1, j_2, \dots, j_n\}, \{k_1, k_2, \dots, k_m\}$ ]



seesawAND[ $i_1, i_2, \{j_1, j_2, \dots, j_n\}, \{k_1, k_2, \dots, k_m\}$ ]



reporter[ $i, j$ ]



For seesawOR and seesawAND,  $2 \leq n \leq 4$ .