

Chip Name : AND16

Inputs : ~~a~~[16], b[16]

Outputs : out[16]

Function : for $i = 0..15$ $out[i] = AND(a[i], b[i])$

$$AND16(a[i], b[i]) = AND_i[a[i], b[i]]$$

Chip Name : OR16

Inputs : a[16], b[16]

Outputs : out[16]

Function : for $i = 0..15$ $out[i] = OR(a[i], b[i])$

$$OR16(a[i], b[i]) = OR_i[a[i], b[i]]$$

Chip Name : NOT16

Inputs : in[16]

Outputs : out[16]

Function : for $i = 0..15$ $out[i] = NOT(in[i])$

$$NOT16(in[i]) = NOT_i(in[i])$$