

Expansion of the boolean algebra

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Ipgme&r

True=1,false=0

True=0,false=1

True=0,false=0

True=1, false=1(taking true and false as constant)

In another way

True=0 true=1

True=1 true =0

True=0 true=0

True=1 true=1(taking true and true as constant)

In yet another way

False=1 false=0

False=0 false=1

False=1 false=1

False=0 false=0(taking false and false as constant)

Or,

1=true 0=false

1=false 0=true

1=true 0=true

1=false 0=false(1, 0constant)

1=true 1=false

1=false 1=false

1=false 1=true

1=true 1=true(taking 1, 1 constant)

0=true 0=false

0=false 0=true

0=true 0=true

0=false 0=false(taking 0,0 constant)

Proof-

1=true

1*34=34

Here 1=true

1=false

1+34=35

Here 1=false

0=true

0+34=34

Here 0=true

0=false

0*34=0

I. Here 0=false.