$$A + 0 = A$$

$$A + 1 = 1$$

$$A + 0 = A$$

$$A + 1 = 1$$

$$A + A = A$$

$$A + A' = 1$$

$$A + 0 = A$$

$$A + 1 = 1$$

$$A + A = A$$

$$A + A' = 1$$

$$A * 0 = 0$$

$$A * 1 = A$$

$$A + 0 = A$$

 $A + 1 = 1$
 $A + A = A$
 $A + A' = 1$

$$A + 0 = A$$

 $A + 1 = 1$
 $A + A = A$
 $A + A' = 1$

$$A + B = B + A$$

 $(A + B) + C = A + (B + C)$
 $AB + AC = A(B + C)$

A	В	С	AB	AC	AB+AC	В+С	A(B+C)
0	0	0					
0	0	1					
0	1	0					
0	1	1					
1	0	0					
1	0	1					
1	1	0					
1	1	1					

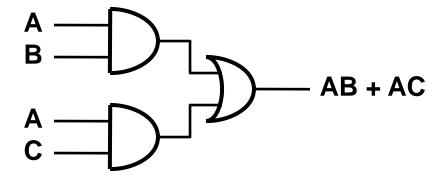
A	В	С	AB	AC	AB+AC	В+С	A(B+C)
0	0	0	0				
0	0	1	0				
0	1	0	0				
0	1	1	0				
1	0	0	0				
1	0	1	0				
1	1	0	1				
1	1	1	1				

Α	В	С	AB	AC	AB+AC	В+С	A(B+C)
0	0	0	0	0			
0	0	1	0	0			
0	1	0	0	0			
0	1	1	0	0			
1	0	0	0	0			
1	0	1	0	1			
1	1	0	1	0			
1	1	1	1	1			

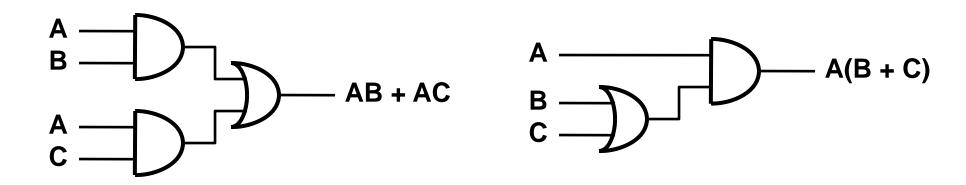
A	В	С	AB	AC	AB+AC	В+С	A(B+C)
0	0	0	0	0	0		
0	0	1	0	0	0		
0	1	0	0	0	0		
0	1	1	0	0	0		
1	0	0	0	0	0		
1	0	1	0	1	1		
1	1	0	1	0	1		
1	1	1	1	1	1		

Α	В	С	AB	AC	AB+AC	В+С	A(B+C)
0	0	0	0	0	0	0	0
0	0	1	0	0	0	1	0
0	1	0	0	0	0	1	0
0	1	1	0	0	0	1	0
1	0	0	0	0	0	0	0
1	0	1	0	1	1	1	1
1	1	0	1	0	1	1	1
1	1	1	1	1	1	1	1

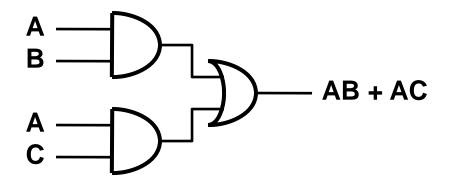
$$AB + AC = A(B + C)$$



$$AB + AC = A(B + C)$$



$$AB + AC = A(B + C)$$



$$A + 0 = A$$

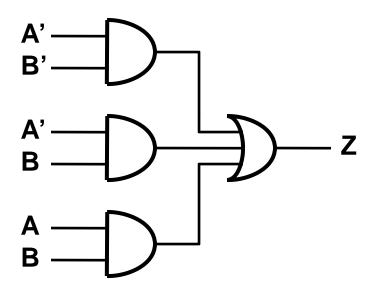
 $A + 1 = 1$
 $A + A = A$
 $A + A' = 1$

$$A + B = B + A$$

 $(A + B) + C = A + (B + C)$
 $AB + AC = A(B + C)$

$$A'B' + A'B + AB = Z$$

$$A'B' + A'B + AB = Z$$



$$A'B' + A'B + AB = Z$$

$$A + 0 = A$$

 $A + 1 = 1$
 $A + A = A$
 $A + A' = 1$

$$A + B = B + A$$

 $(A + B) + C = A + (B + C)$
 $AB + AC = A(B + C)$

$$A'B' + A'B + AB = Z$$

$$A'(B'+B)+AB=Z$$

$$A + 0 = A$$

 $A + 1 = 1$
 $A + A = A$
 $A + A' = 1$

$$A + B = B + A$$

 $(A + B) + C = A + (B + C)$
 $AB + AC = A(B + C)$

$$A * 0 = 0$$

$$A * 1 = A$$

$$A * A = A$$

$$A * A' = 0$$

$$(A + B)*(A + C) = A + BC$$

$$A'B' + A'B + AB = Z$$

 $A'(B' + B) + AB = Z$
 $A'(1) + AB = Z$

$$A + 0 = A$$

 $A + 1 = 1$
 $A + A = A$
 $A + A' = 1$

$$A + B = B + A$$

 $(A + B) + C = A + (B + C)$
 $AB + AC = A(B + C)$

$$A'B' + A'B + AB = Z$$

 $A'(B' + B) + AB = Z$
 $A'(1) + AB = Z$

A' + AB = Z

$$A + 0 = A$$

 $A + 1 = 1$
 $A + A = A$
 $A + A' = 1$
 $A + B = B + A$
 $(A + B) + C = A + (B + C)$
 $AB + AC = A(B + C)$

$$A'B' + A'B + AB = Z$$

$$A'B' + A'B + AB = Z$$

$$A'(B'+B)+AB=Z$$

$$A'(1) + AB = Z$$

$$A' + AB = Z$$

$$A + 0 = A$$

$$A + 1 = 1$$

$$A + A = A$$

$$A + A' = 1$$

$$A + B = B + A$$

 $(A + B) + C = A + (B + C)$

$$\dot{A}B + \dot{A}C = A(B + \dot{C})$$

$$A * 0 = 0$$

$$A * 1 = A$$

$$A * A = A$$

$$A * A' = 0$$

$$A * B = B * A$$

$$(A * B) * C = A * (B * C)$$

$$(A + B)*(A + C) = A + BC$$

$$A'B' + A'B + AB = Z$$

$$A'(B'+B)+AB=Z$$

$$A'(1) + AB = Z$$

$$A' + AB = Z$$

$$A + 0 = A$$

$$A + 1 = 1$$

$$A + A = A$$

$$A + A' = 1$$

$$A + B = B + A$$

 $(A + B) + C = A + (B + C)$
 $AB + AC = A(B + C)$

$$A'B' + A'B + AB = Z$$

$$A'B' + (A'B + A'B) + AB = Z$$

$$A * 0 = 0$$

$$A * 1 = A$$

$$A * A = A$$

$$A * A' = 0$$

$$A * B = B * A$$

$$(A * B) * C = A * (B * C)$$

$$(A + B)*(A + C) = A + BC$$

$$A'B' + A'B + AB = Z$$

$$A'(B'+B)+AB=Z$$

$$A'(1) + AB = Z$$

$$A' + AB = Z$$

$$A'B' + A'B + AB = Z$$

$$A'B' + (A'B + A'B) + AB = Z$$

$$A'B' + A'B + A'B + AB = Z$$

$$A + 0 = A$$

$$A + 1 = 1$$

$$A + A = A$$

$$A + A' = 1$$

$$A + B = B + A$$

 $(A + B) + C = A + (B + C)$
 $AB + AC = A(B + C)$

$$A * 0 = 0$$

$$A * 1 = A$$

$$A * A = A$$

$$A * A' = 0$$

$$A * B = B * A$$

$$(A * B) * C = A * (B * C)$$

$$(A + B)*(A + C) = A + BC$$

$$A'B' + A'B + AB = Z$$

$$A'(B'+B)+AB=Z$$

$$A'(1) + AB = Z$$

$$A' + AB = Z$$

$$A'B' + A'B + AB = Z$$

$$A'B' + (A'B + A'B) + AB = Z$$

$$A'B' + A'B + A'B + AB = Z$$

$$(A'B' + A'B) + (A'B + AB) = Z$$

$$A + 0 = A$$

$$A + 1 = 1$$

$$A + A = A$$

$$A + A' = 1$$

$$A + B = B + A$$

 $(A + B) + C = A + (B + C)$
 $AB + AC = A(B + C)$

$$A * 0 = 0$$

$$A * 1 = A$$

$$A * A = A$$

$$A * A' = 0$$

$$A * B = B * A$$

$$(A * B) * C = A * (B * C)$$

$$(A + B)^*(A + C) = A + BC$$

$$A'B' + A'B + AB = Z$$

$$A'(B'+B)+AB=Z$$

$$A'(1) + AB = Z$$

$$A' + AB = Z$$

$$A'B' + A'B + AB = Z$$

$$A'B' + (A'B + A'B) + AB = Z$$

$$A'B' + A'B + A'B + AB = Z$$

$$(A'B' + A'B) + (A'B + AB) = Z$$

$$A'(B' + B) + (A' + A)B = Z$$

$$A + 0 = A$$

$$A + 1 = 1$$

$$A + A = A$$

$$A + A' = 1$$

$$A + B = B + A$$

 $(A + B) + C = A + (B + C)$
 $AB + AC = A(B + C)$

$$A * 0 = 0$$

$$A * 1 = A$$

$$A * A = A$$

$$A * A' = 0$$

$$A * B = B * A$$

$$(A * B) * C = A * (B * C)$$

$$(A + B)*(A + C) = A + BC$$

$$A'B' + A'B + AB = Z$$

$$A'(B'+B)+AB=Z$$

$$A'(1) + AB = Z$$

$$A' + AB = Z$$

$$A'B' + A'B + AB = Z$$

$$A'B' + (A'B + A'B) + AB = Z$$

$$A'B' + A'B + A'B + AB = Z$$

$$(A'B' + A'B) + (A'B + AB) = Z$$

$$A'(B' + B) + (A' + A)B = Z$$

$$A'(1) + (1)B = Z$$

$$A + 0 = A$$

$$A + 1 = 1$$

$$A + A = A$$

$$A + A' = 1$$

$$A + B = B + A$$

 $(A + B) + C = A + (B + C)$
 $AB + AC = A(B + C)$

$$A * 0 = 0$$

$$A * 1 = A$$

$$A * A = A$$

$$A * A' = 0$$

$$A * B = B * A$$

$$(A * B) * C = A * (B * C)$$

$$(A + B)*(A + C) = A + BC$$

$$A'B' + A'B + AB = Z$$

$$A'(B'+B)+AB=Z$$

$$A'(1) + AB = Z$$

$$A' + AB = Z$$

$$A + 0 = A$$

$$A + 1 = 1$$

$$A + A = A$$

$$A + A' = 1$$

$$A + B = B + A$$

 $(A + B) + C = A + (B + C)$
 $AB + AC = A(B + C)$

$$A'B' + A'B + AB = Z$$

$$A'B' + (A'B + A'B) + AB = Z$$

$$A'B' + A'B + A'B + AB = Z$$

$$(A'B' + A'B) + (A'B + AB) = Z$$

$$A'(B' + B) + (A' + A)B = Z$$

$$A'(1) + (1)B = Z$$

$$A' + B = Z$$

$$A * 0 = 0$$

$$A * 1 = A$$

$$A * A = A$$

$$A * A' = 0$$

$$A * B = B * A$$

$$(A * B) * C = A * (B * C)$$

$$(A + B)*(A + C) = A + BC$$

$$A'B' + A'B + AB = A' + B = Z$$

$$A + 0 = A$$

 $A + 1 = 1$
 $A + A = A$
 $A + A' = 1$

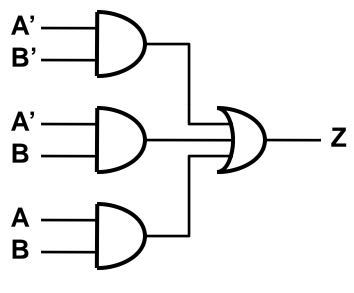
$$A + B = B + A$$

 $(A + B) + C = A + (B + C)$
 $AB + AC = A(B + C)$

$$A * A = A$$

$$A * A' = 0$$

A'B' + A'B + AB = A' + B = Z



$$A + 0 = A$$
$$A + 1 = 1$$

$$A + A = A$$

$$A + A' = 1$$

$$A + B = B + A$$

 $(A + B) + C = A + (B + C)$
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$$A * A' = 0$$