Boolean Algebra Time / False. On / Off. O / I. High / Low.	AND x.y OR x+y	$xy \propto \lambda NDy$ . $xly \propto 0Ry$ . $x \propto \bar{x}$ .	
F(x, y, z) = x f  x y  0 0  1  1  1  1	y'&  Z 0 0 1 1 0 0 1 0 1	0 + 1·1 0 + 0·0 1 + 0·0 0 + 0·1	3x3x3.
$ \begin{array}{c c} 0 & 1 \\ 1 & 1 \\ 1 & 2 \\ 1 + x = 1 \\ 0 + x = x \end{array} $	0+x=x 1 1x=x 2x=x	7x=0 +x=1 x+y>+ 2= y= yn y== x (y=)	nr (yrz)

$$n((yx) = (xy)(xt^2)$$
 $x(y+2) = m+x^2$ 
 $x(xy) = x$ 
 $x(xy) = x$ 
 $x(x+y) = xx + xy$ 
 $x+xy = x$ 
 $= x + xy$ 
 $x(x+y) = x + xy = x$ 
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 $\chi + y(y'+x')$ 8t (y t) x + x'y(x+x') (x+y)
(x+y) f(x,y,t) = xytx't+yt(xy+x) (xy+2)  $\pi'(y+1)$ (x'y)(xy+2)7/474 + 7/97. व्यं प्रस्पुष्ट (/tl) yt  $\sqrt{y}$ .

5×14b = y (xy+2)+ x'z > 1/1/1 1/2 + x/8 こ カリナリモイスタ たしかりも) マガリイズをナリる こ オリナイナナ りそ(オナな) = ny + x/2 + xyz+ x'yz = xy(1+7)+x/2(1+y) = xy + x'Z.  $(\chi + y) (\chi + y) = y + \chi \chi'$ = 5+ Q= A D B DC I(AB+AB) BC (AB+AB)C+ (AB+AB)C XOR -> 考数的. 转出为是1

(A1B)(A+C)	At B At C
A B C	ATB ATC
0 0 1	
0 1 0	
0 0	0 1 0 0
1 0	6 1 0 0
( o l	
0 1 (	
Q=(AB)(A+C)	(1+1) (1-01)
=(A+B)(Ac)	(1+1)(1.0)
8 13 0	(1+0) (1-1)
0 0 1 0	(0+1) (0-
0 1 0 1	0+0
1 0 0 0	(0+1) (0.0)
1 1 0 0	
1 0 1 0	(1+0)(1-0)
0 1 0	D † 0
Sum of Produc	, T
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$$A = (A+B)(CP) + A$$
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 $A = (A+D)$ .

 $A$ 

183:18b. law: At B+ C = A+ (B+C) Associative (AB) C = A(BC) lan: A(B+c) = AB+AC Distributive A+(B.C) = (A+B)(A+C) De Morgan's Law: AB = A+B ATB = AB 过多是意思。 1时选美华之33.