$$P_{1} \oplus X_{3} \oplus X_{5} \oplus X_{7} = 0$$

$$P_{2} \oplus X_{3} \oplus X_{6} \oplus X_{7} = 0$$

$$P_{4} \oplus X_{5} \oplus X_{6} \oplus X_{7} = 0$$

$$P_{1} \oplus X_{5} \oplus X_{6} \oplus X_{7} = 0$$

$$P_{2} \oplus X_{5} \oplus X_{6} \oplus X_{7} = 0$$

$$P_{1} \oplus X_{5} \oplus X_{6} \oplus X_{7} = 0$$

$$P_{2} \oplus X_{6} \oplus X_{7} = 0$$

$$P_{3} \oplus X_{5} \oplus X_{6} \oplus X_{7} = 0$$

$$P_{4} \oplus X_{5} \oplus X_{6} \oplus X_{7} = 0$$

 $C_{8} = P_{8} \oplus X_{9} \oplus X_{10} \oplus X_{11} \oplus X_{12} \oplus X_{13} \oplus X_{14} \oplus X_{15}$ $C_{4} = P_{4} \oplus X_{5} \oplus X_{6} \oplus X_{7} \oplus X_{12} \oplus X_{13} \oplus X_{14} \oplus X_{15}$ $C_{2} = P_{2} \oplus X_{3} \oplus X_{6} \oplus X_{7} \oplus X_{10} \oplus X_{11} \oplus X_{14} \oplus X_{15}$ $C_{1} = P_{1} \oplus X_{3} \oplus X_{5} \oplus X_{7} \oplus X_{9} \oplus X_{11} \oplus X_{13} \oplus X_{15}$

Boolean Algebra J. s. Joseph Meintity element - Y $B = \{0,1\}$ Me: +, Ile sies = identity element - Y $2+0=0+\chi=\chi$ $\chi+y=y+\chi$ $\chi,y=y\cdot\chi$ $\chi,y=\chi$ $\chi,y=\chi$

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نے ہ صرب
   2. (y+z)=(2.y)+(x.z)
                              4+(2\times3)=10 } \neq (4+2)\cdot(4+3)=72 } \neq
   2+(g·Z)=(x+y)·(x+Z)
      رجد دارد (مكل ما تفتي ع € B
                               LIZEB DOG - W
(complement
                  x+x=1?
x·x=0}
                                           : 160b -
                               x=x
       ی- عداقل دوعنفر B € وجد دارد به طری که 4+x.
                        مثرك يذيرى
      (X+y)+ Z= X+(y+Z)
                                          0101 -> 1010
                      B= 30,1}
24/2.4 12+9
00
                        2+(4·Z)=(x+y)·(x+Z)
                      x+5 2+2 (x+y),(x+Z)
      y.71
            2+(5.2)
247
                      0
                            0
              0
000
      0
                      0
001
      0
000
00
10
```