

$$(1) F = M_4 + M_6 + M_7 + M_{10} + M_{11} + M_{12} + M_{14} + M_{15}$$

$$(2) F = (A + \bar{C}) C + \bar{A}$$

$$= AC + C \cdot \bar{C} + \bar{A}$$

$$= AC + \bar{A}$$

A	B	C	D
0	0	0	1
1	0	1	1

$$(3) F = A + BD + \bar{B}C + \bar{B}\bar{D}$$

AB	00	01	11	10
CD	1	0	1	1
00	0	1	1	0
01	1	1	1	1
11	1	1	1	1
10	1	1	1	1

(4)

$$\begin{aligned} F &= \bar{A}\bar{B}\bar{C}\bar{D} + \bar{A}\bar{B}\bar{C}D + \bar{A}\bar{B}C\bar{D} + \bar{A}\bar{B}CD + A\bar{B}\bar{C}\bar{D} + A\bar{B}\bar{C}D + A\bar{B}C\bar{D} \\ &\quad + AB\bar{C}\bar{D} + ABC\bar{D} \end{aligned}$$

$$F = BD + \bar{C}D + \bar{B}\bar{D}$$

CD	00	01	11	10
AB	1	1	1	1
00	1	1	1	1
01	1	1	1	1
11	1	1	1	1
10	1	1	1	1

$$F = B\bar{D} + \bar{A}BC$$



Quark 夸克

高清扫描 还原文档