



2.4 (a) $\bar{A}\bar{B}C + \bar{A}B\bar{C} + A\bar{B}\bar{C}$

(b) $\bar{M}\bar{N}PQ + \bar{M}NP\bar{Q} + \bar{M}NPQ + M\bar{N}PQ + MN\bar{P}\bar{Q} + MN\bar{P}Q$
 $+ MN\bar{P}Q + MN\bar{P}Q$

2.7 (a) $Y_1 = ((A+B)' \cdot C)' \oplus (C'D)'$

(b) $Y_2 = ((AB')'E + (B'CD)'E)'$

2.8 Truth Table:

A	B	C	Y
0	0	0	0
1	0	0	0
0	1	0	0
1	1	0	1
0	0	1	0
1	0	1	1
0	1	1	1
1	1	1	0

逻辑式:

$$Y = ABC' + AB'C + A'BC$$

