

$$Q \geq \frac{1}{2} \qquad \qquad Q \geq \frac{1}{2}$$

A B C D (ABD)C (ABD)C +B
$$\overline{A}B+\overline{CD}$$
 F

1 1 0 1 0 1 1 0

1 1 1 0 1 0 1

F = $\overline{A}B$ c D + $\overline{A}B$ c D + $\overline{A}B$ c D

R- Map

B

B

 $F = ACD + \overline{B}CD + \overline{AB}C$

$$F = \overline{ABCD} + \overline{CDCA+B}) + \overline{ABCC+D}) + \overline{ABCD}$$

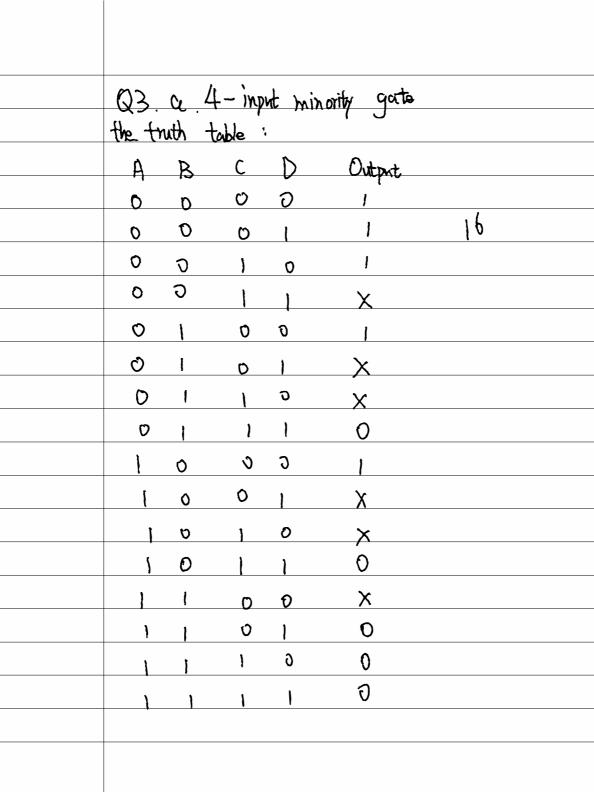
$$= \overline{ABCD} + \overline{ACD} + \overline{BCD} + \overline{ABC} + \overline{ABD} + \overline{ABCD}$$

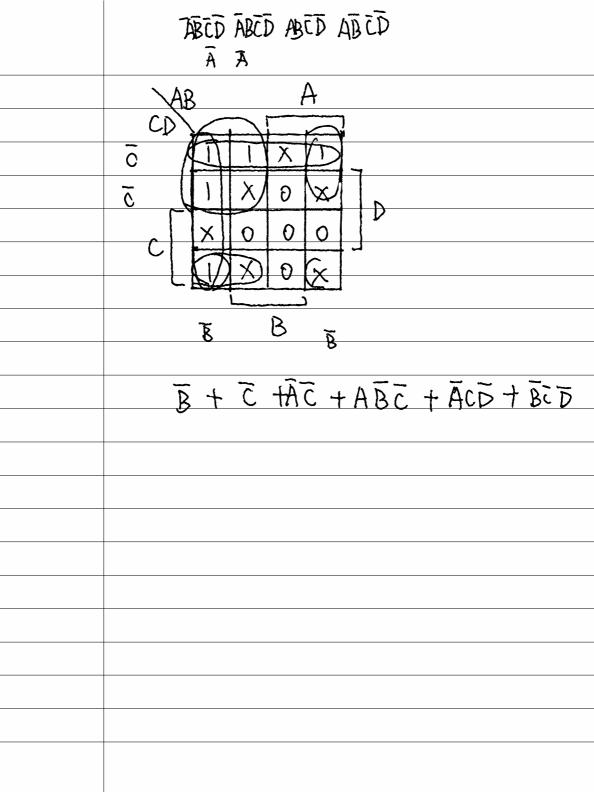
$$CD$$

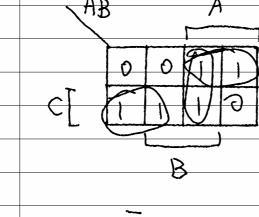
$$CD$$

$$C$$

$$F = \overline{A}D + A\overline{B}\overline{C} + A\overline{B}C\overline{D}$$







$$F = \overline{A}C + AB + A\overline{C}$$

$$b). F = B C\bar{c} + b) + DCA + B) + \bar{c}D (A+B) + AB\bar{c}D$$

$$= B\bar{c} + BD + DA + DB + \bar{A}B\bar{c}D + AB\bar{d}D$$

$$c = D = D + DA + DA + DB + \bar{c}D +$$

CD + BC + BD+ AD+ AB

