HW 6 $2.5\sqrt{a}$ $Y = \widehat{A}\widehat{B} + A\widehat{B} + \widehat{A}B = A + \widehat{A}\widehat{B}$ $= (A + \widehat{A})(A + \widehat{B}) = A + \widehat{B}$ Vb) Y = | ABC | $V_{C}) Y = \overline{ABC} + \overline{ABC} + \overline{ABC} + \overline{ABC} + \overline{ABC}$ BC(A+A) + AC(B+B) + ABC BC + AC + ABC $\overline{C}(\overline{B}+\overline{A}B)+AC=\overline{C}(\overline{B}+\overline{A})(\overline{B}+B)+AC$ (CB+CA+AC d) Y = ABCD+ ABCD+ ABCD+ ABCD + ABCD+ ABCD + ABCD = AB (CD + CD + CD + CD) + ABD (C+C) $+ ABC\overline{D}$ $\overline{AB}(\overline{C}(\overline{D}+D) + C(\overline{D}+D)) + AB\overline{D} + ABC\overline{D}$ $\overline{A}\overline{B}(\overline{C}+C)+A\overline{D}(\overline{B}+BC)$ $\overline{A}\overline{B}+A\overline{D}(\overline{B}+B)(\overline{B}+C)$ AB+ABD+ACD B(A+AD)+ACD $\frac{\overline{B}(\overline{A}+A)(\overline{A}+\overline{D})+A(\overline{D})}{|\overline{A}\overline{B}|+|\overline{B}\overline{D}|+|\overline{A}\overline{C}\overline{D}|}$ e) Y = | ABCD + ABCD + ABCD + ABCD + ABCD + ABCD

preparate proposition of the pro

2.13
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$$Vb) Y = \overline{A} \overline{B} + \overline{A} B \overline{C} + (A + \overline{C}) = \overline{A} \overline{B} + \overline{A} B \overline{C} + \overline{A} (B + \overline{C}) + \overline{C}$$

$$= \overline{A} (\overline{B} + \overline{B} \overline{C} + C) = \overline{A} ((\overline{B} + B)(\overline{B} + \overline{C}) + C)$$

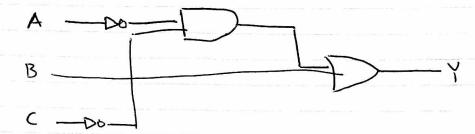
$$= \overline{A} (\overline{B} + \overline{C} + C) = \overline{A} (\overline{B} + C) = \overline{A}$$

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$$O \cap C \cap C \cap O \cap C$$

properture of the telebrold of the telebrand of the teleb



$$V = A + \overline{A}y + \overline{A}\overline{B} + A + \overline{B}$$

$$= A + \overline{A}(B + \overline{B}) + \overline{A}\overline{B}$$

$$= A + \overline{A} + \overline{A}B$$

$$= (1) + \overline{A}B$$

$$= 0 + \overline{A}B$$

$$= \overline{A}B$$



72.25
$$Y = ABCD + ABCD + ADCD + AD$$

$$Y = ABCD + ABCD$$

$$Y = D + ABCD$$

$$Y = D + ABCD$$

$$Y = D + ABCD$$

$$Z = BD + ADD$$

$$Z = D_3 D_2 D_1 + D_3 D_1 D_0 + D_2 D_1 D_0 + D_3 D_2 D_0$$

