REPORT





과목명 1 논리회로

담당교수 1 최성용

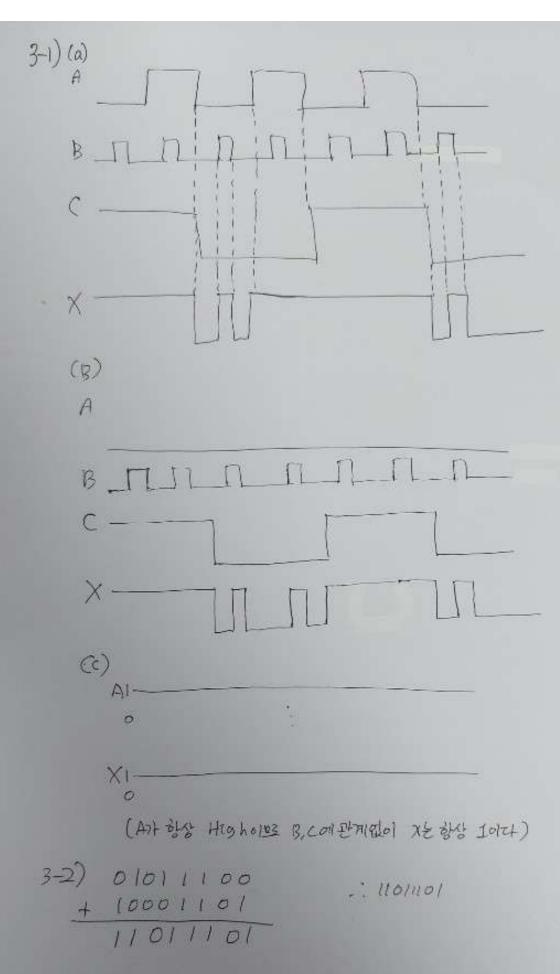
학과 1컴퓨터공화과

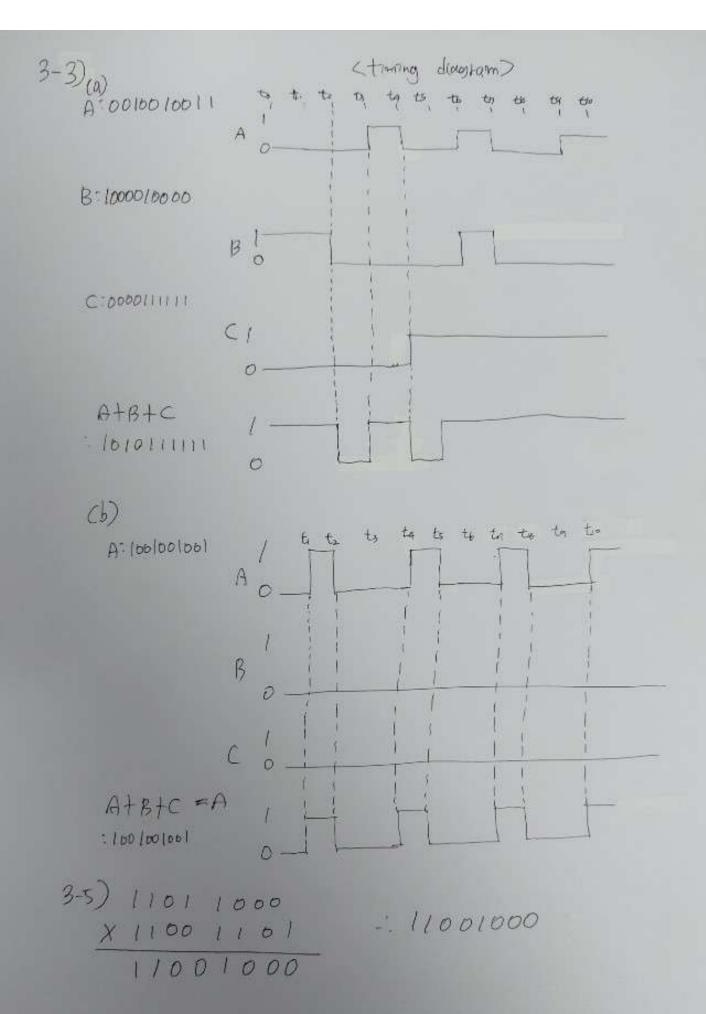
학년 1 2

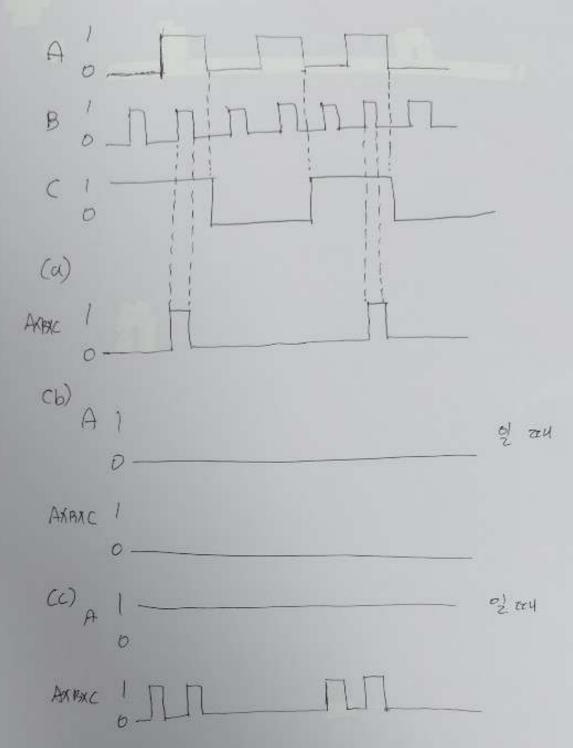
학번 1 21기 1661

이름 1 윤혁

제출일 |







3-4) N-input gate on A And gate st OK gate 计整理是出版的 747年1 two inputs 748年 0 0144 1 Glot of 起去.
: nowell imputed 3年 建dat 起去.

3+2) (a) $(\overline{A}+\overline{B})BC = X$ \longrightarrow ABC (b) ABZ+ ABZ+ ABD=X Struth table) $X = \overline{B}(\overline{A}\overline{C} + AZ + \overline{A}\overline{D})$

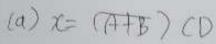
X= B(C(A+A)+AD) X-B(Z+AD) struth taldes abcdlx 00 10 0 010000 10000 01100 (1100

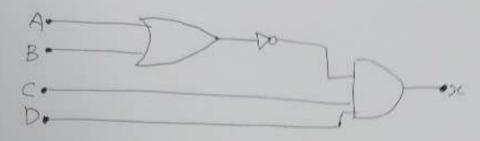
3-14) (a) X= LD+ (A)B)C]-E

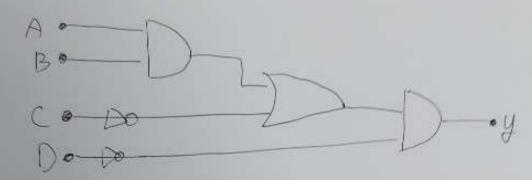
after AND EDOR, [D-AB+C]+E, D-AB+C+E

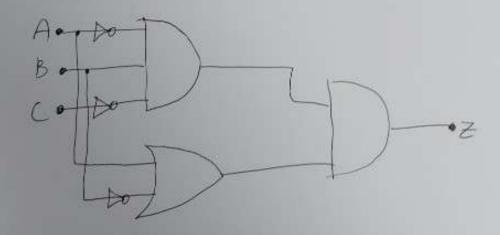
(b) next page.

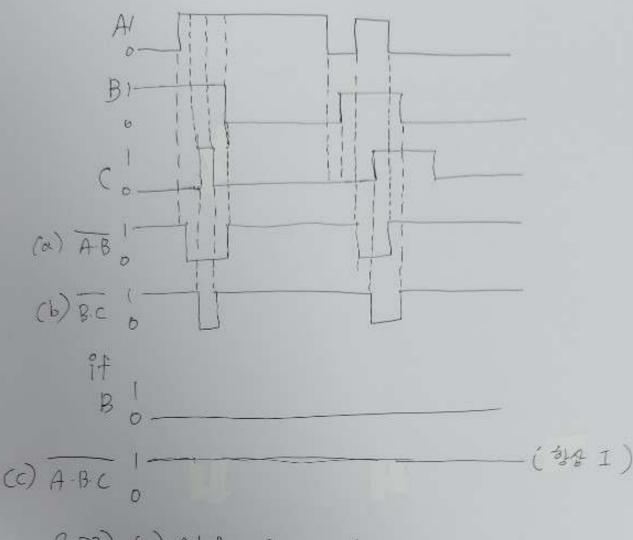
3-16)











(i) p-1pa = p+a, (p+p) (p+a)= p+a

(J) 74+ (D) = 1, (Zy) = Z+y = 24 -> 24+24=1

3-24) (a)
$$2 = (M+N)(M+p)(N+p)$$

$$= (M+N)(M+p)(N+p)$$

$$= (M+N)(M+p)(N+p)$$

$$= MpN + MM + MNP + MPP + MPP$$

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

$$(b) \overline{AB} + \overline{BC} = \overline{A+B+B+C} = \overline{A+C+1} = 0$$

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

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

$$(e) \overline{A} (\overline{BC}) \cdot \overline{D} = A+\overline{BC}$$

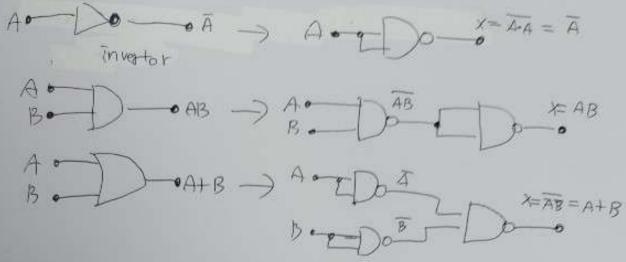
$$(f) \overline{A \cdot CB+C} = A+(B+C) = A+B\overline{C}$$

$$(g) \overline{AB+AB} = \overline{AB \cdot AB} = (A+\overline{B})(\overline{A+B}) = \overline{AB+AB}$$

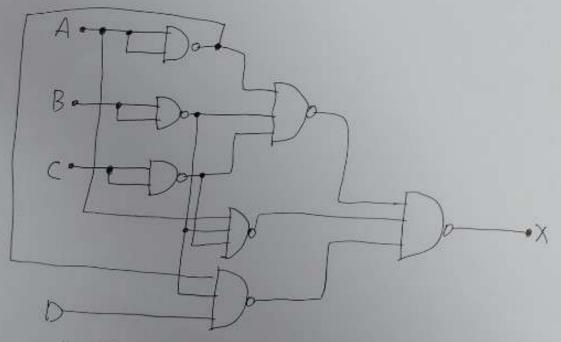
$$(h) \overline{AB(\overline{A+B})} = A+\overline{B+(\overline{A+B})} = (1+1) = 1$$

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

3-28) X= ABZ+ABZ+ABD

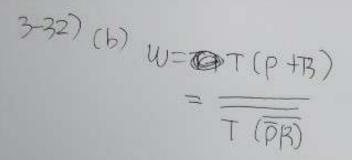


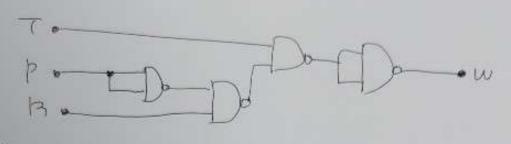
ABC + ABC + ABC + ABD



3-32) (a) T=1 617 (P/R)01 (0/0) 0+(1/1)0+(1/0) 型加州 在東外的1711 召逐 在什.

(b) next page





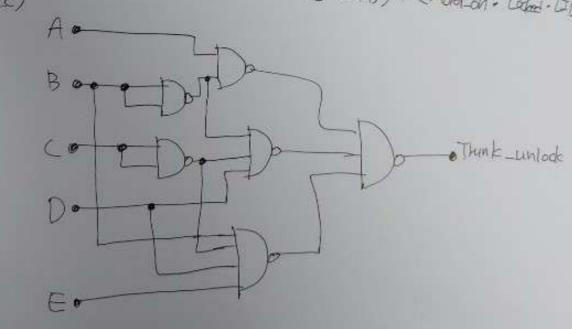
2-33) Cathlatton on the tide is passed AND engine status is motor on)

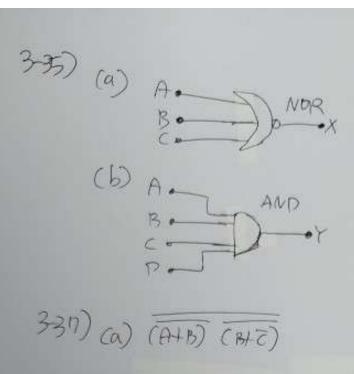
DIR (Chajine Status is off AND carettion of door logics is cardodael

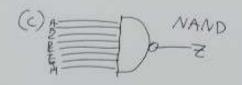
AND button on trunk lide is pagesal)

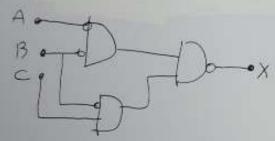
6R (engine status is meter on AND condition of door lodes is unlocked AND button on trunk lid is pressed AND participal higher is set), then unlock thank.

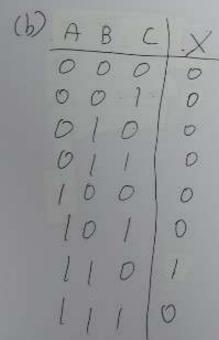
(b) (FOB-Motor on) + (Notor on · Lodge · LID) + (Motor on · Lodge · LID) PRode)





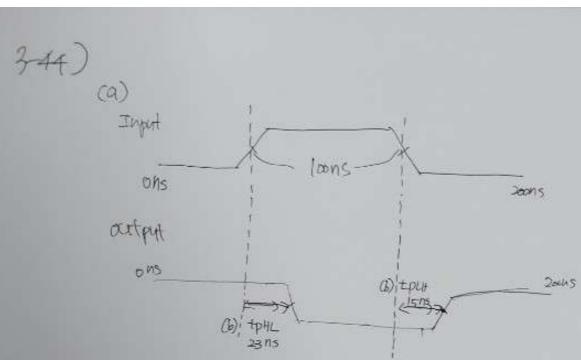






· A1B7+0012 C7+0分如中

子和) A对 10时 BA 0 里叫, 要 B, C 野 0 型叫 至 DA 10 型叫 多克 医对 1 型叫 多克 1 型型 多克 1 型型 经工作



(c) loons - 23ns +15ns = 92ns