In Class Exercise 2 – Julio Tain Sueiras
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1.Truth Tables

x	y	$\bar{y}$	$\bar{y}$+x	x($\bar{y}$+x)
1	1	0	1	1
1	0	1	1	1
0	1	0	0	0
0	0	1	1	0

2.Truth Tables

a	b	c	$\bar{b}$	$\bar{b}$c	a+($\bar{b}$c)
1	1	1	0	0	1
1	1	0	0	0	1
1	0	1	1	1	1
1	0	0	1	0	1
0	1	1	0	0	0
0	1	0	0	0	0
0	0	1	1	1	1
0	0	0	1	0	0

3.Truth Tables

a	b	c	b+c	a+(b+c)	b(a+(b+c))
1	1	1	1	1	1
1	1	0	1	1	1
1	0	1	1	1	0
1	0	0	0	1	0
0	1	1	1	1	1
0	1	0	1	1	1
0	0	1	1	1	0
0	0	0	0	0	0

4.Truth Tables

A	B	C	AB	AB+C	$\overline{AB+C}$
1	1	1	1	1	0
1	1	0	1	1	0
1	0	1	0	1	0
1	0	0	0	0	1
0	1	1	0	1	0
0	1	0	0	0	1
0	0	1	0	1	0
0	0	0	0	0	1

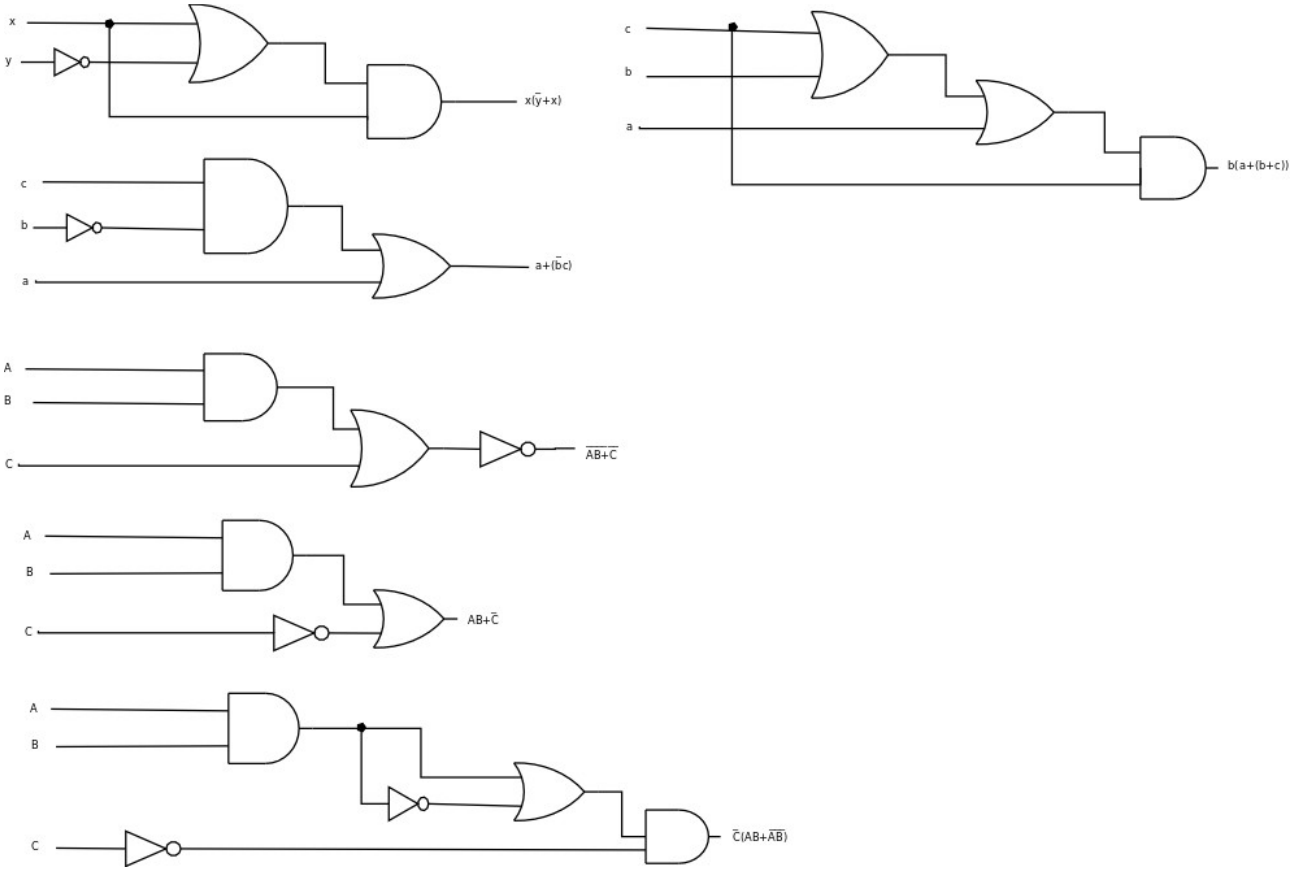
5.Truth Tables

A	B	C	AB	$\overline{C}$	AB+$\overline{C}$
1	1	1	1	0	1
1	1	0	1	1	1
1	0	1	0	0	0
1	0	0	0	1	1
0	1	1	0	0	0
0	1	0	0	1	1
0	0	1	0	0	0
0	0	0	0	1	1

5.Truth Tables

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

Logic Gates



Part 2.

1. $\bar{c}$+(ab) 2. $\bar{r}(\overline{pq}+rp)$ 3. $\bar{r}(\bar{p}+q)$ 4. $\bar{q}r+p$

5. $q+(p(\bar{q}+r))$