

DLD MT-2 Solution

Q.1

Page 1

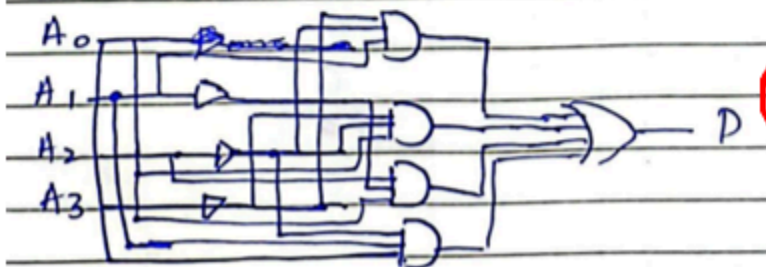
	$A_3 A_2 A_1 A_0$	00	01	11	10
$A_3 A_2$	00			1	1
	01	1	1		
	11	1			
	10			1	

K-map for P

2

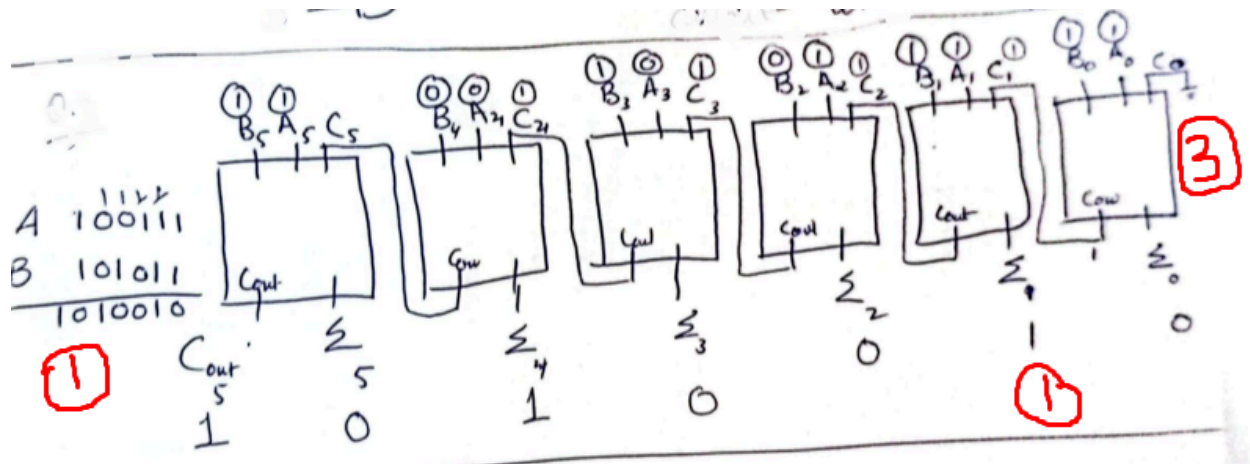
$$P = \bar{A}_3 \bar{A}_2 A_1 + \bar{A}_3 A_2 A_0 + A_2 \bar{A}_1 A_0 + \bar{A}_2 A_1 A_0$$

1.5

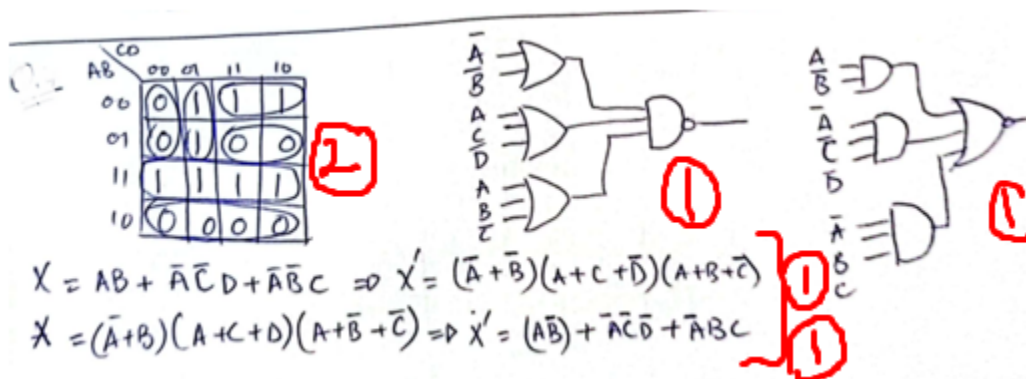


1.5

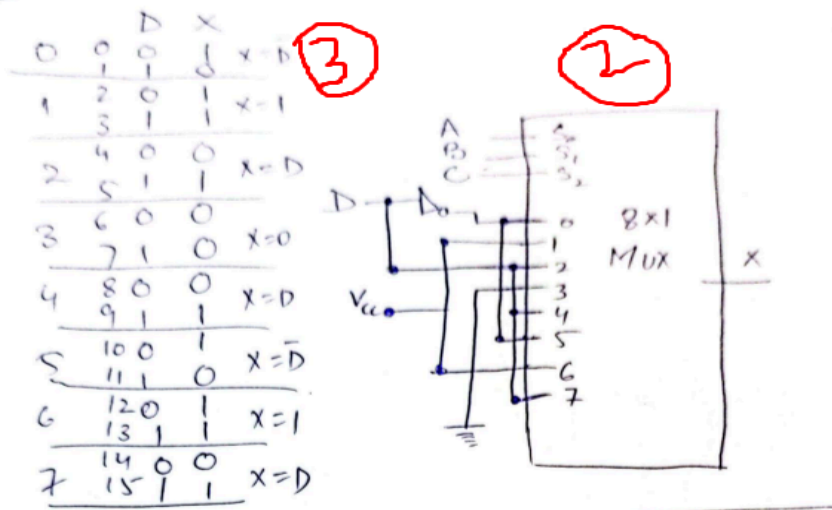
Q.2:



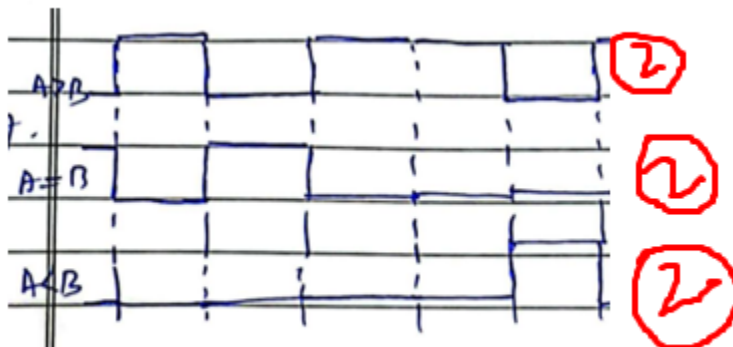
Q.3:



Q.4:



Q5:



Q.6:

$1Pin - D_4$
 $5Pin - D_8$

output will be $D_8(1000)$

\bar{A}_3	\bar{A}_2	\bar{A}_1	\bar{A}_0
0	1	1	1