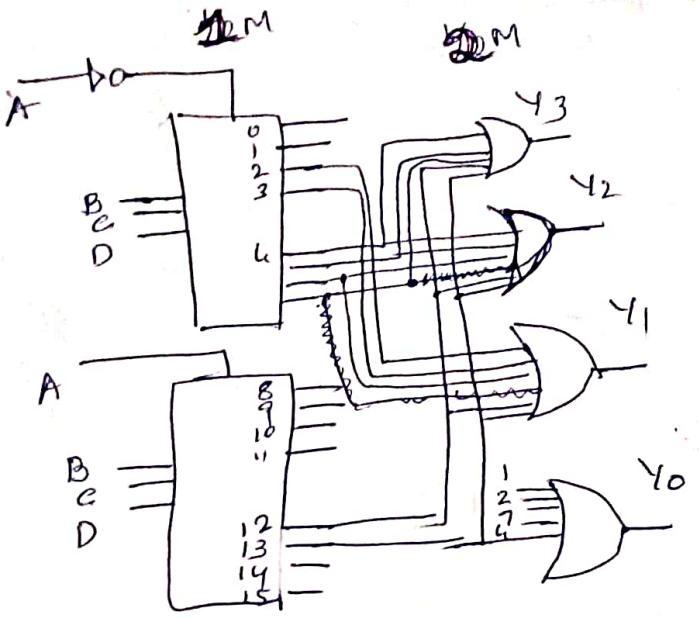
⑥ 1/2M

Gray code				4221 code			
A	B	C	D	Y_3	Y_2	Y_1	Y_0
0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	1
0	0	1	1	0	0	1	0
0	0	1	0	0	0	1	1
0	1	1	0	0	1	0	0
0	1	1	1	0	1	0	1
0	1	0	1	0	1	1	0
0	1	0	0	0	1	1	1
1	1	0	0	1	0	0	0
1	1	0	1	1	0	0	1

1M



$Y_3 = \Sigma m(4,5,12,13) = \pi M(0,1,2,3,6,7)$

$Y_2 = \Sigma m(4,5,6,12,13)$

$Y_1 = \Sigma m(2,3,6,12,13)$

$Y_0 = \Sigma m(1,2,7,4,13)$

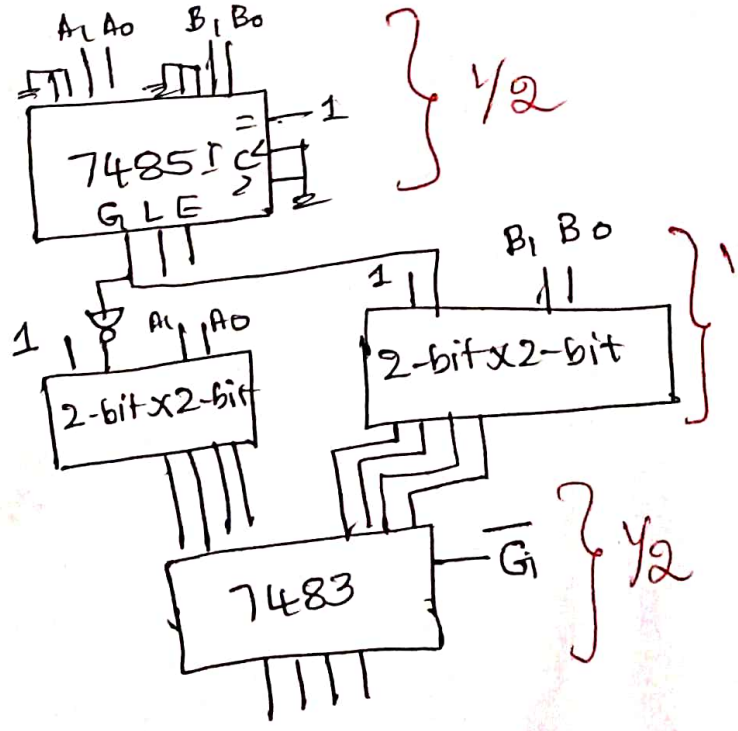
1M

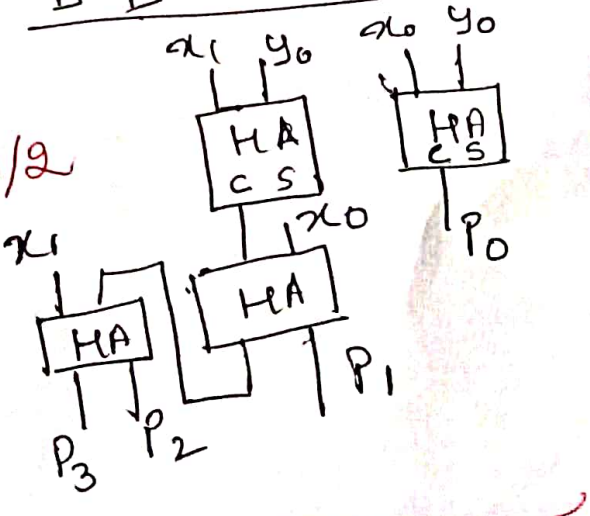
① If A>B, F = 2A+3B

else F = 3A−2B

2-bit x 2-bit · 2-10, 3-11, S_0

$x_1 x_0 \; y_1 y_0$ · if $S_1 = 1$





1 1/2