

(۱۷)

$A=0$

DE \ BC	00	01	11	10
00	1	1	X	1
01	1	X	1	1
11	1	X	X	1
10	0	1	1	0

$A=1$

DE \ BC	00	01	11	10
00	1	1	0	1
01	X	1	0	1
11	1	X	0	0
10	0	1	0	0

SOP: $B'D' + C'D' + A'C + B'E + B'C + A'E$

POS: $(A' + B' + C')(A' + B' + D')(C + D' + E)$

$A=D$

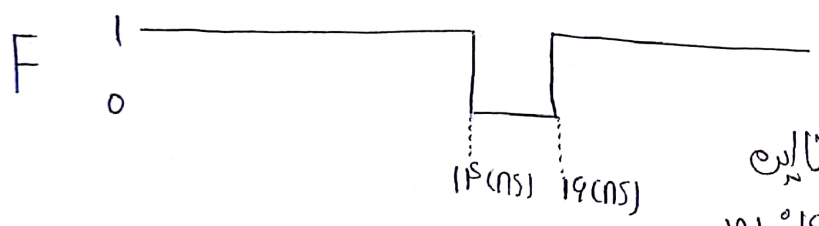
DE \ BC	00	01	11	10
00	0	1	1	X
01	1	0	0	1
11	0	1	1	0
10	0	1	0	1

$A=1$

DE \ BC	00	01	11	10
00	X	1	1	0
01	1	X	0	1
11	1	1	1	1
10	0	X	1	1

SOP: $CD'E' + C'D'E + CDE + C'DE' + ADE + ABD$

POS: $(C + D + E)(C + D + E')(B + C + D' + E)(A + C + D' + E')(A + B' + C' + D' + E)$



(۲۷)

در لحظه ns خروجی ۲ منفی است و نتایج ثانیه اولی است
تغییرات اچال سکود در لحظه ns خروجی منفی است و نتایج ثانیه اولی
دوباره خروجی ۱ می شود

A	B	C	D	f_1	f_2	f_3	f_4
0	0	0	0	0	0	0	1
0	0	0	1	0	0	0	0
0	0	1	0	0	0	0	1
0	0	1	1	0	0	0	0
0	1	0	0	0	0	0	1
0	1	0	1	0	0	0	0
0	1	1	0	0	0	0	1
0	1	1	1	0	0	0	0
1	0	0	0	0	0	0	0
1	0	0	1	0	0	0	1
1	0	1	0	0	0	0	0
1	0	1	1	0	0	0	1
1	1	0	0	0	0	0	0
1	1	0	1	0	0	0	1
1	1	1	0	0	0	0	0
1	1	1	1	0	0	0	1

(۳۷)

f_1

CD \ AB	00	01	11	10
00	0	0	1	0
01	0	0	1	1
11	0	1	1	1
10	0	0	1	1

SOP: $AB + AC + AD + BCD$
POS: $(A + C)(A + B)(A + D)(B + C + D)$

f_2

CD \ AB	00	01	11	10
00	0	1	0	1
01	0	1	1	0
11	1	0	1	0
10	0	1	1	0

SOP: $AB'C'D' + A'B'CD + A'B'C' + BCD' + ABD$
POS: $(A' + B + C')(B + C + D')(A + B + D)(A' + B' + C + D)(A + B' + C' + D')$

f_w

CD \ AB	00	01	11	10
00	0	0	1	1
01	1	1	0	0
11	0	0	1	1
10	1	1	0	0

f_{ps}

CD \ AB	00	01	11	10
00	1	1	1	1
01	0	0	0	0
11	0	0	0	0
10	1	1	1	1

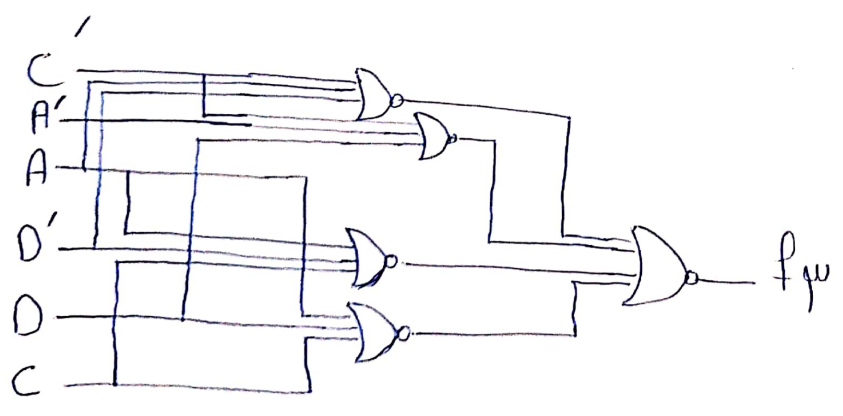
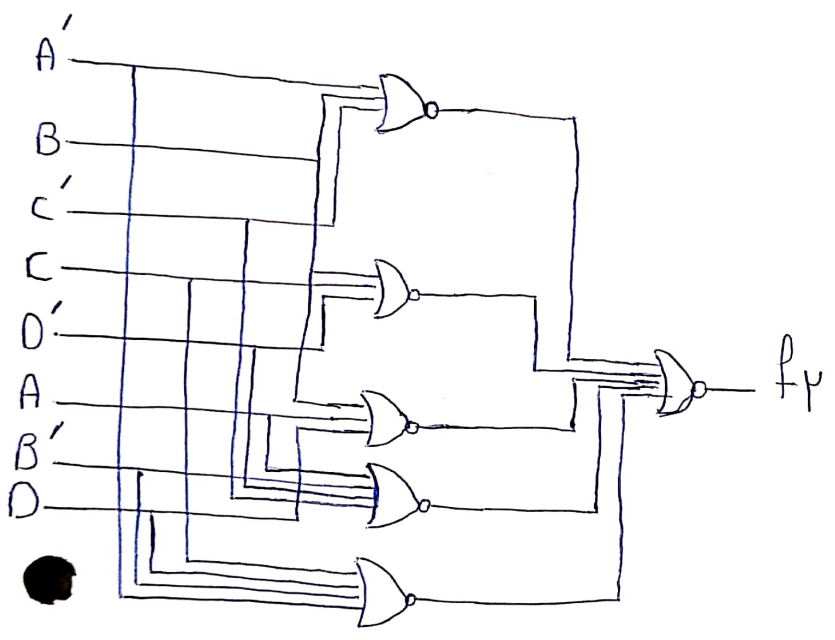
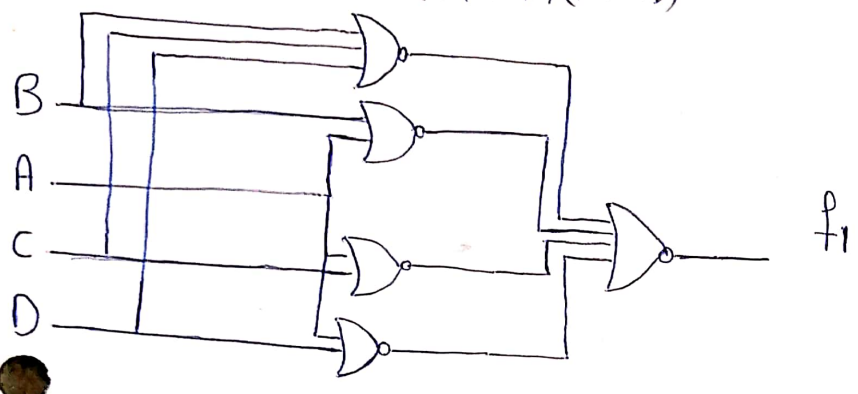
4VPM015

مشتولی

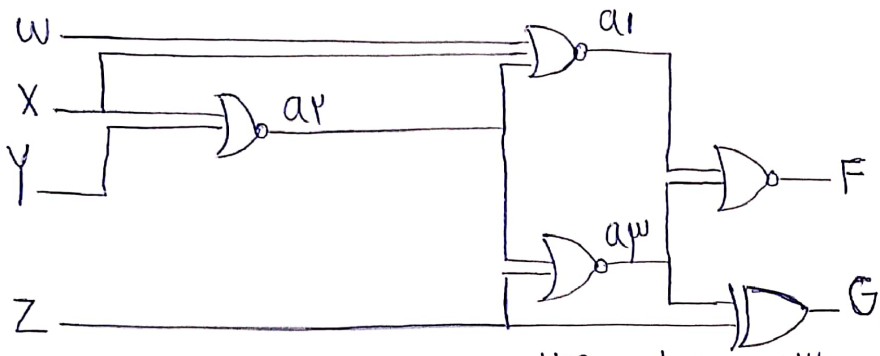
SOP: $AC'D + A'C'D + ACD + A'CD'$

SOP: D' POS: D

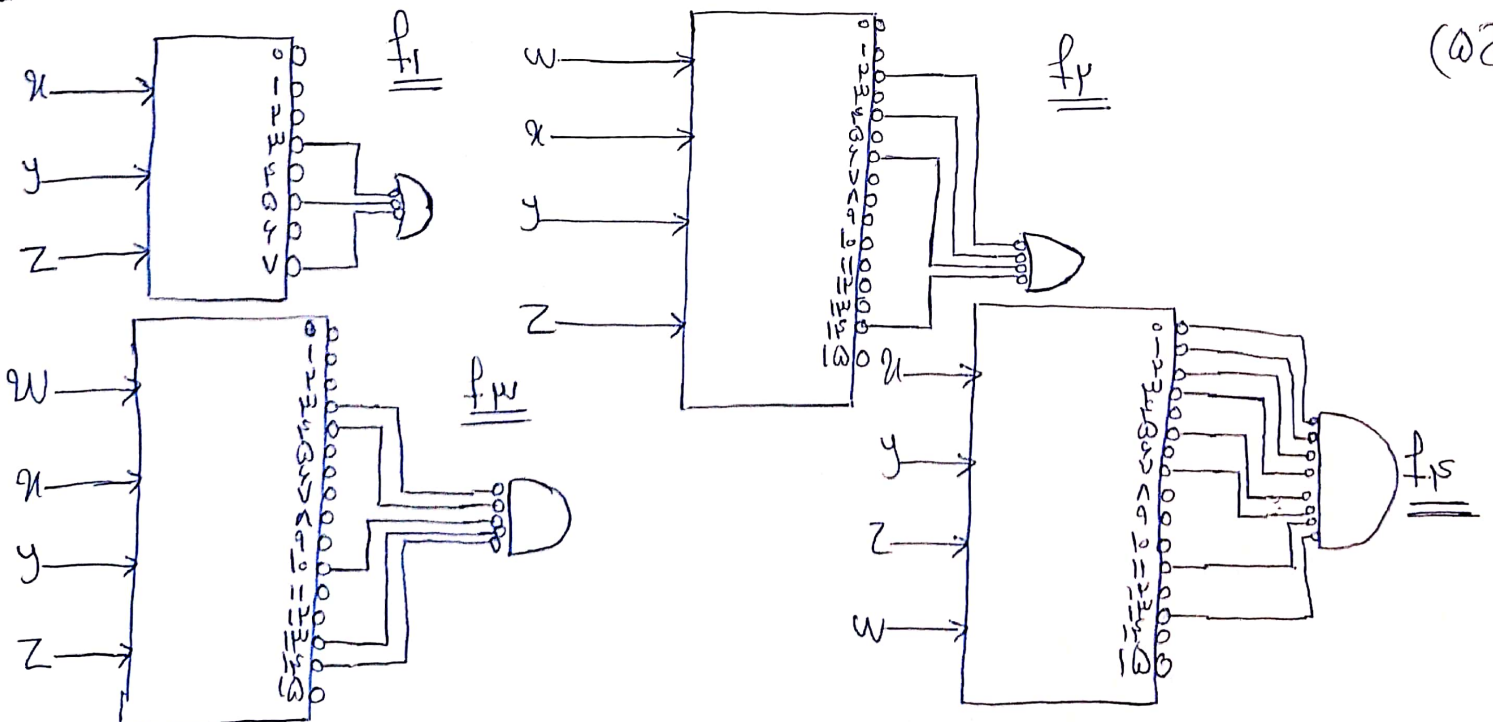
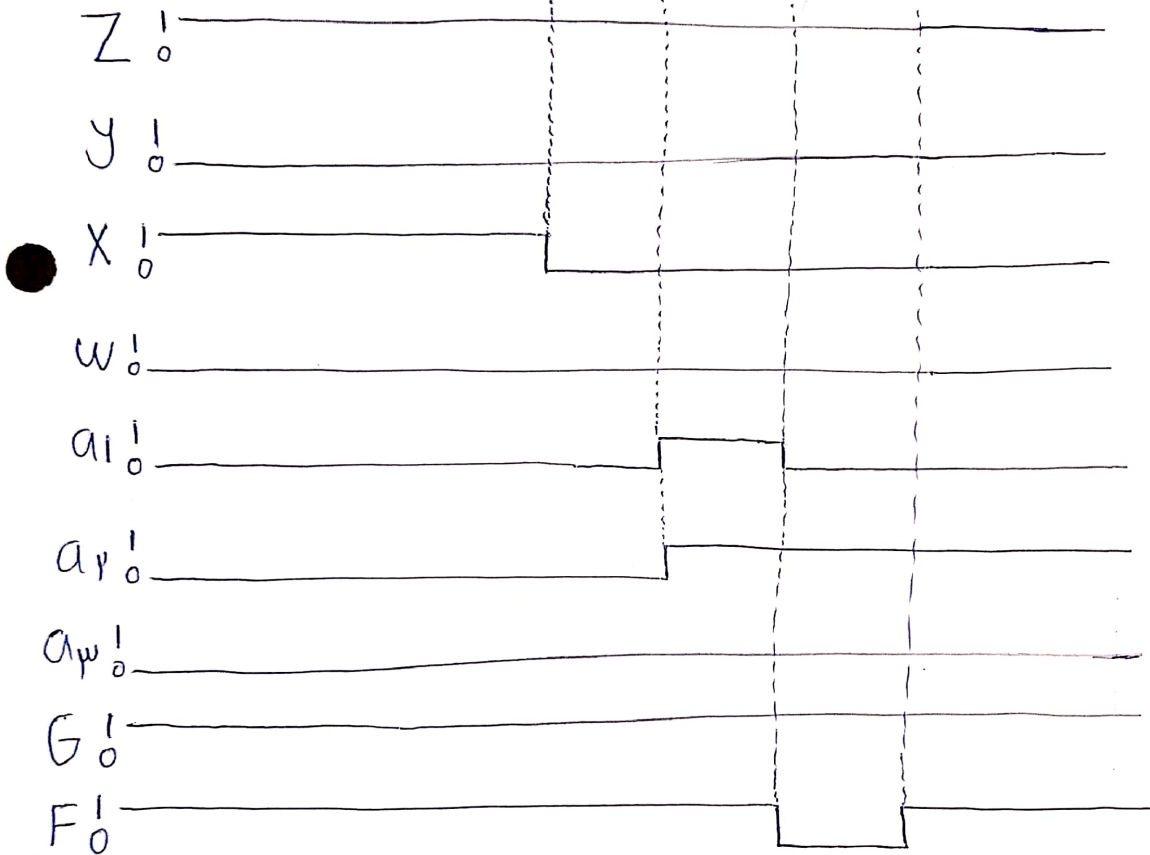
POS: $(A+C+D)(A+C+D')(A+C'+D)(A'+C'+D)$



$D \rightarrow f_{ps}$



Vns 10ns 14ns 14ns



CD \ AB	00	01	11	10
00	1	0	0	1
01	1	0	0	1
11	0	1	0	0
10	1	0	0	0

$$f_1 = B'C' + A'B'D' + A'BCD$$

CD \ AB	00	01	11	10
00	1	0	0	1
01	0	0	1	1
11	0	1	1	0
10	1	1	0	1

$$f_2 = BCD + AC'D + B'D' + A'BC$$

CD \ AB	00	01	11	10
00	1	0	0	1
01	0	0	0	0
11	0	1	0	0
10	1	1	0	1

$$f_3 = A'BC + B'D'$$

