

فاصلہ فرغ ۹۹۴۷۳۱۶۰

(الف)

$$PI_1 = \bar{a}c, \bar{a}bd, b\bar{c}d, \bar{b}c, a\bar{b}\bar{d}$$

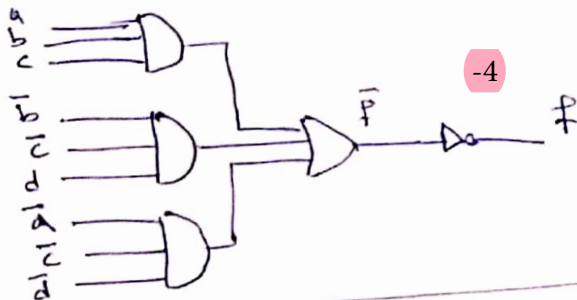
+6

-3

pos: ~~$\bar{a} + \bar{b} + \bar{c}$~~ , $(\bar{a} + \bar{b} + \bar{c})$, $(b + c + \bar{d})$, $(a + c + d)$
 $(a + b + c)$

NOR - NOR

-4

$$\overline{F} = abc + \overline{b}\overline{c}d + \overline{a}\overline{c}\overline{d}$$


~~8~~
 $\sqrt{4}$
 $\sqrt{1}$

 $\sqrt{4}$
 $\sqrt{9}$
 $\sqrt{16}$

 $\sqrt{25}$
 $\sqrt{36}$
 $\sqrt{49}$

 $\sqrt{64}$
 $\sqrt{81}$
 $\sqrt{100}$

$$\begin{aligned} & 4, 4', 4, V \quad (1, F) \\ & (4, 4', 10, 11) \quad (1, A) \end{aligned}$$

~~x, y, z, v (x, y)~~

~~$\gamma, 1, C, U \quad (\wedge, 1)$~~

$0010 \rightarrow \bar{a}c$
 $0011 \rightarrow \bar{b}c$
 $1000 \rightarrow a\bar{b}\bar{d}$
 $1001 \rightarrow a\bar{c}\bar{d}$
 $0101 \rightarrow \bar{a}bd$
 $0100 \rightarrow b\bar{c}d$
 $1100 \rightarrow ab\bar{c}$

+7

فرقی
۳۱۴۰

$\Sigma \Pi$	$\overset{\checkmark}{1}$	$\overset{\checkmark}{2}$	$\overset{\checkmark}{3}$	$\overset{\checkmark}{4}$	$\overset{\checkmark}{5}$	$\overset{\checkmark}{6}$	$\overset{\checkmark}{7}$	$\overset{\checkmark}{8}$	$\overset{\checkmark}{9}$	$\overset{\checkmark}{10}$	$\overset{\checkmark}{11}$	$\overset{\checkmark}{12}$	$\overset{\checkmark}{13}$	$\overset{\checkmark}{14}$
$\star \bar{a}c$	✓	✓		✓	✓									
$\star \bar{b}c$	✓	✓						✓	✓					
$a\bar{b}\bar{d}$						✓	✓							
$a\bar{c}\bar{d}$						✓						✓		
$\bar{a}bd$			✓		✓									
$\star b\bar{c}d$			✓										✓	
$\star ab\bar{c}$											✓	✓		
				✓			✓							

+2

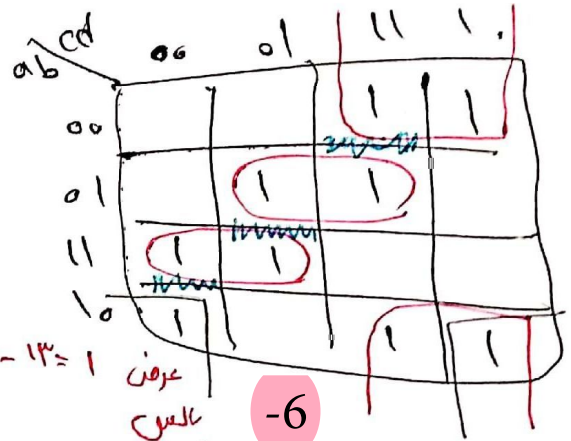
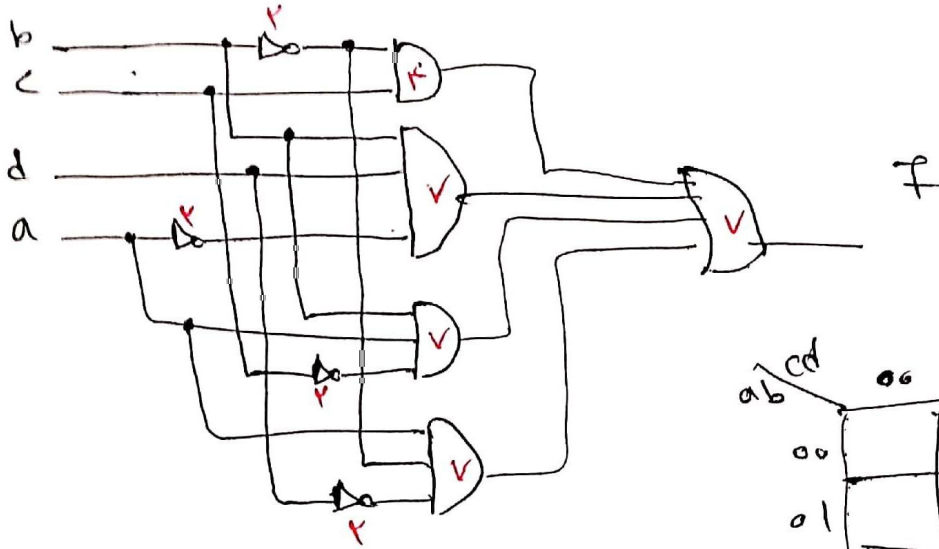
-1

-2

$$f = \bar{a}c + \bar{b}c + b\bar{c}d + ab\bar{c}$$

$$f = \bar{b}c + \bar{a}bd + ab\bar{c} + a\bar{b}\bar{d}$$

(۵) حرف



$14 \leftarrow 0001 \xrightarrow{\text{logical}} 0111 \rightarrow 14 \quad 14 - 13 = 1$ عروض
 $14 \leftarrow 0101 \xrightarrow{\text{logical}} 1101 \rightarrow 14 \quad 14 - 13 = 1$ عروض
 $14 \leftarrow 1000 \xrightarrow{\text{logical}} 1000 \rightarrow 14 \quad 14 - 13 = 1$ عروض

(۶) چون عروض بالس از تغییر بیت دوازدهم میرا شده و این سه در

-6