9846315 3 : شماره دانشجویی

نام و نام خانوادگی : محمد عقیلی

سوال 3

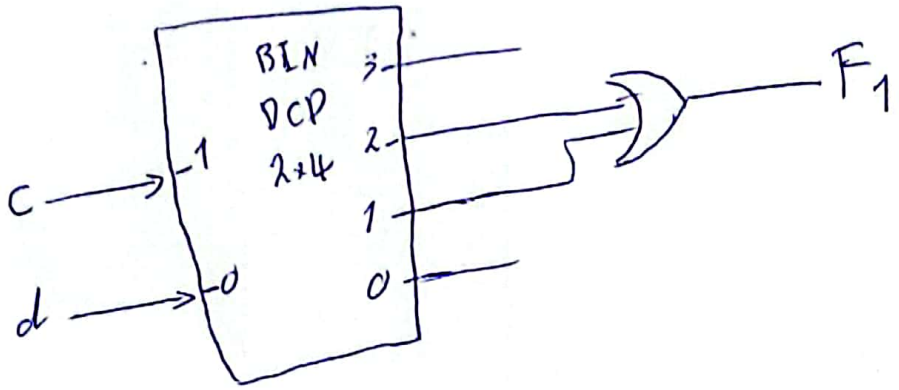
الف)

$F_1 = \sum m(4,6,7,8,10,11), d = \sum m(5,9)$

cd \ ab	00	01	11	10
00				
01	1	–	1	1
11				
10	1	–	1	1

$F_1 = c\bar{d} + \bar{c}d$

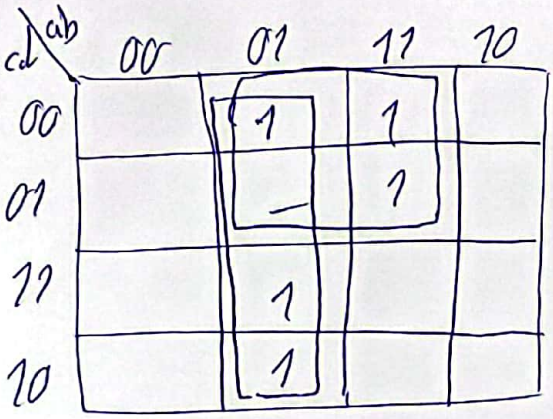
+7



نام و نام خانوادگی: محمد خدایی شماره دانشجویی: 98463753

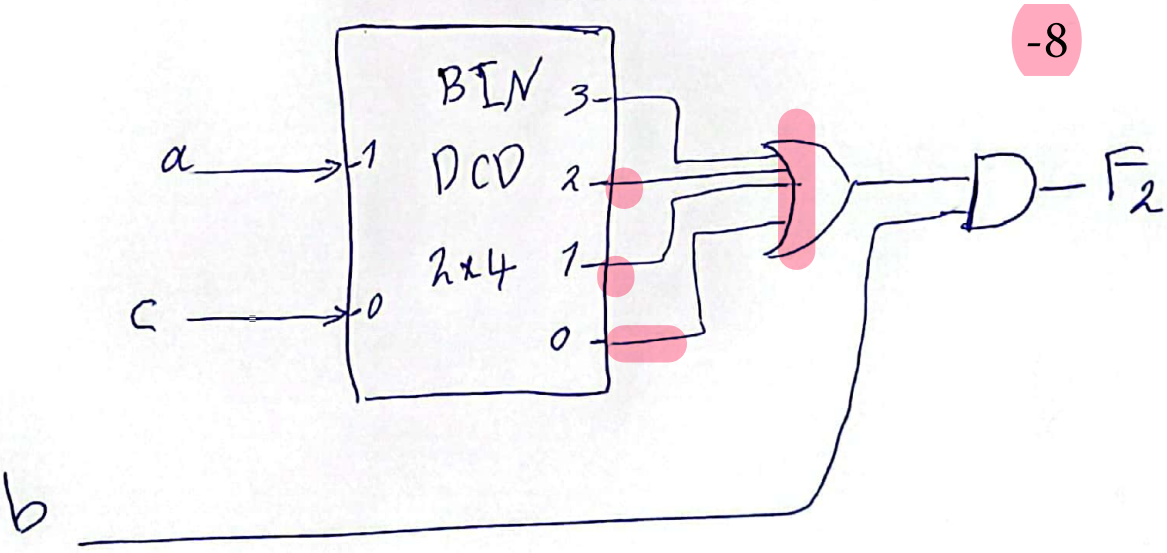
ادامه سوال 3

$$F_2 = \sum m(1,3,7,13),\ d = \sum m(5,9)$$



$$F_2 = b\bar{c} + \bar{a}b$$
$$= b(\bar{a} + \bar{c})$$

-8

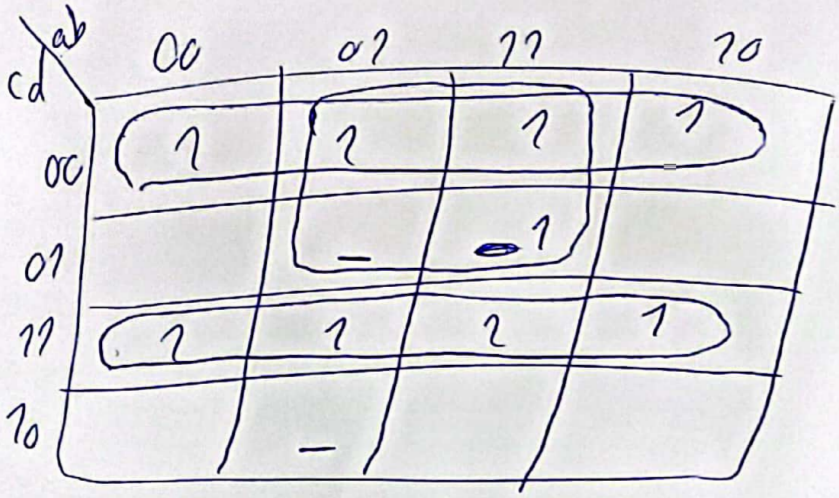


نام و نام خانوادگی: محمد خدایی شماره دانشجویی: 98463153

(ب) راه حل سوال 3

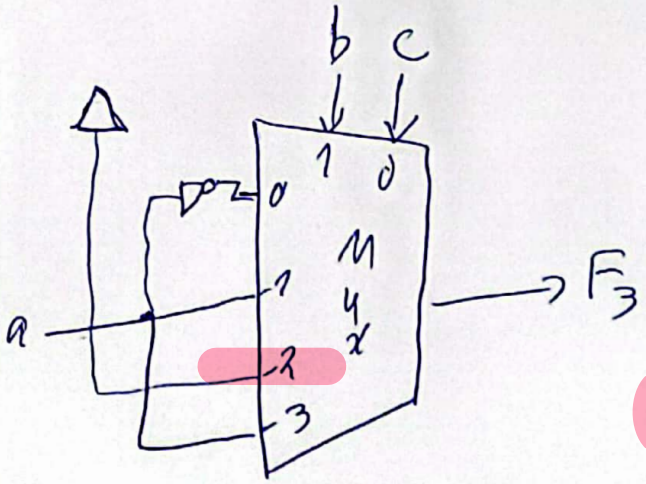
$F_3 = \sum m(0,1,2,3,7,12,13,14,15)$

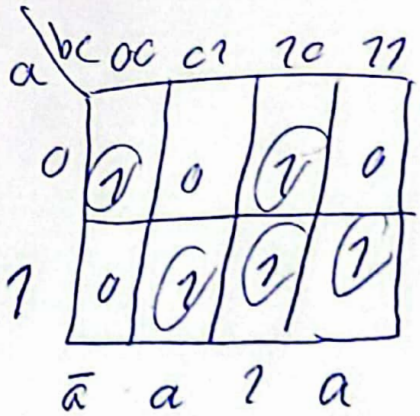
$, d = \sum m(5,9)$



$F_3 = \bar{c}\bar{d} + cd + b\bar{c}$

راه حل رسم مالتی پلکس:





-10