

## Cover Page

Logic Design Lab Lab 2

Group ID: 4

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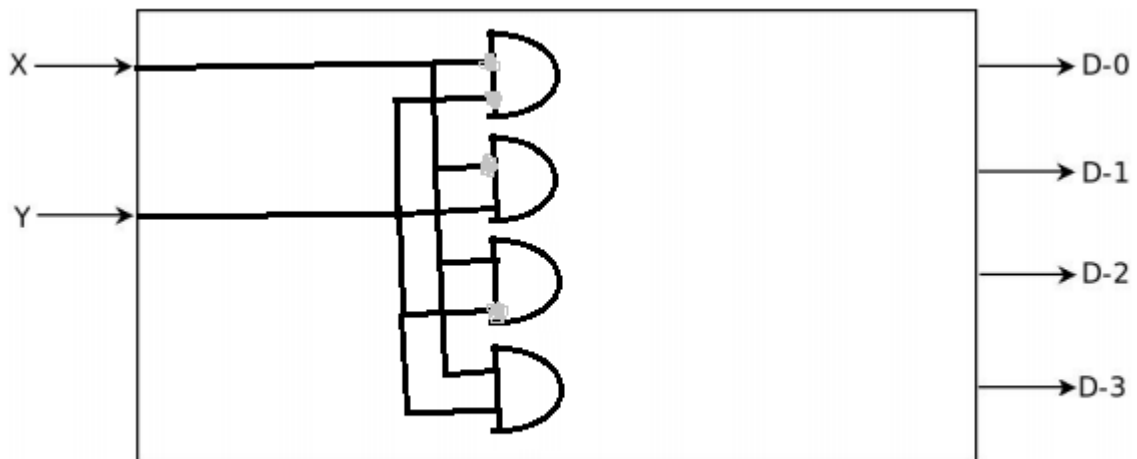
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## Problem description

Soruda verilen decoder ve multiplexer'i istenilen şekilde tasarladık ve doğruluk tablolarını oluşturduk. Daha sonra 5. Soruda istenen fonksiyonu decoder ve multiplexer ile gerçekleştirdik.

1

X	Y	D0	D1	D2	D3
0	0	1	0	0	0
0	1	0	1	0	0
1	0	0	0	1	0
1	1	0	0	0	1

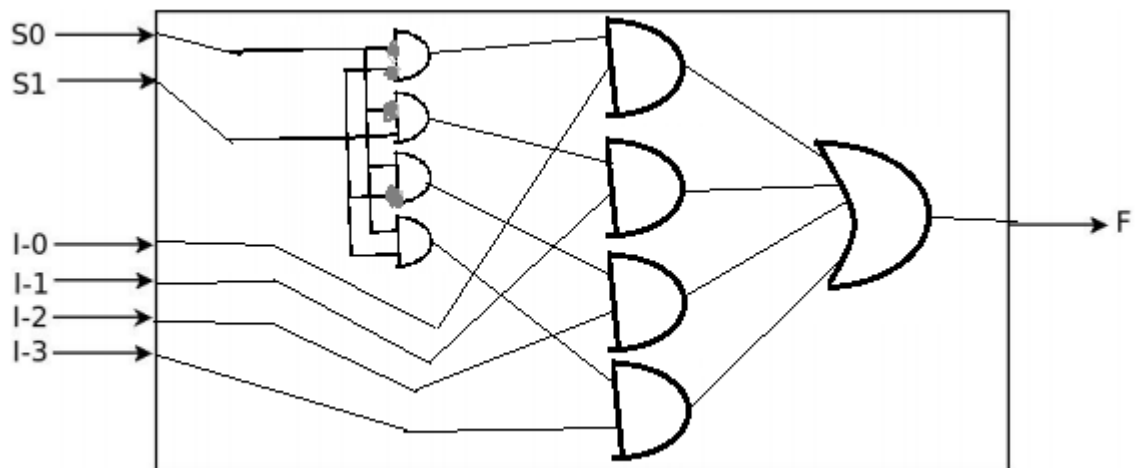


2

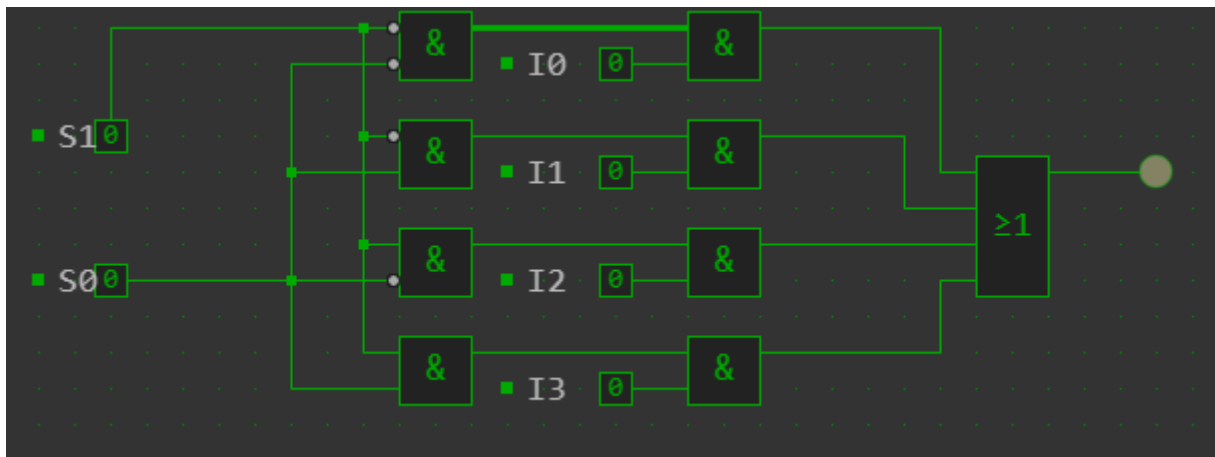


3

S1	S0	I
0	0	I0
0	1	I1
1	0	I2
1	1	I3



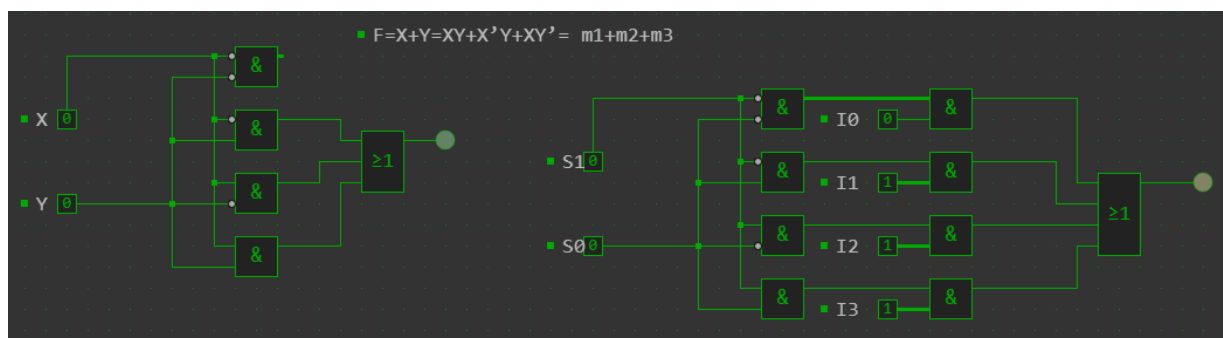
4



5

$$F = X + Y = XY + X'Y + XY'$$

$$F = \sum(1,2,3)$$



Link: <https://simulator.io/board/5wrYZkvrAF/1>

Video, Egeders'e eklendi.