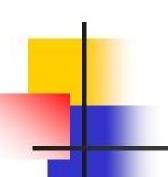
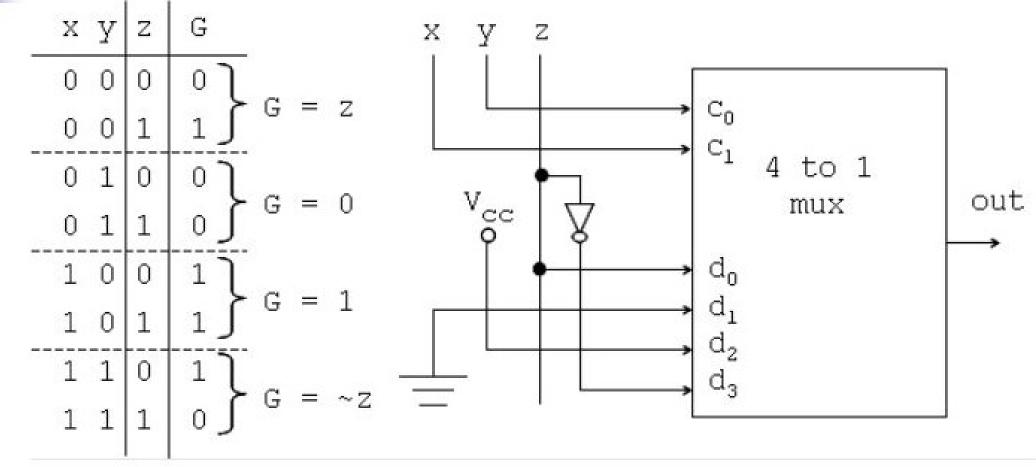
KARMA NOTLAR

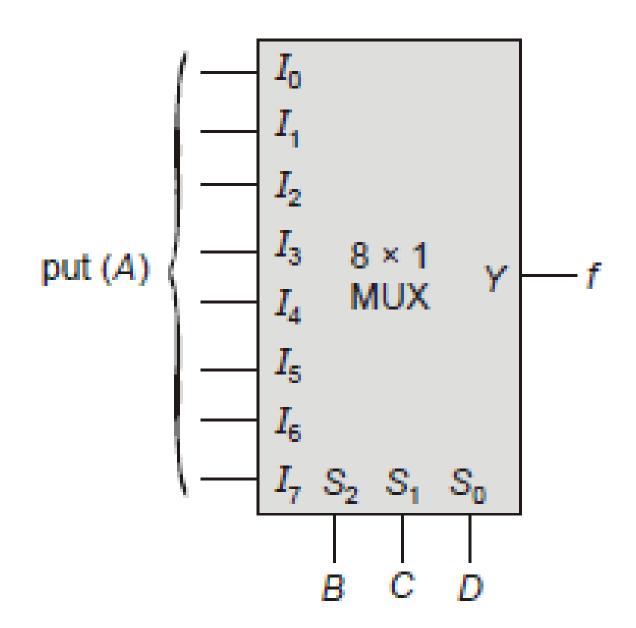
A	В	C	D	AB	CD	Y
0	0	0	0	0	0	0
0	0	0	1	0	0	0
0	0	1	0	0	0	0
0	0	1	1	0	1	1
0	1	0	0	0	0	0
0	1	0	1	0	0	0
0	1	1	0	0	0	0
0	1	1	1	0	1	1
1	0	0	0	0	0	0
1	0	0	1	0	0	0
1	0	1	0	0	0	0
1	0	1	1	0	1	1
1	1	0	0	1	0	1

Y=AB+CD



G(x,y,z) = m(1, 4, 5, 6)



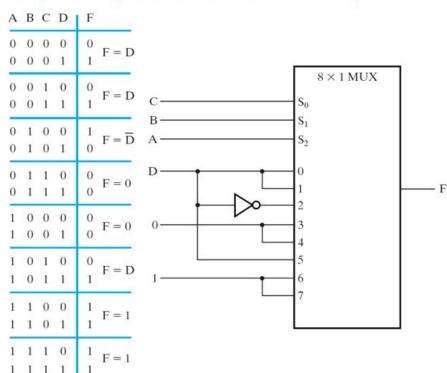


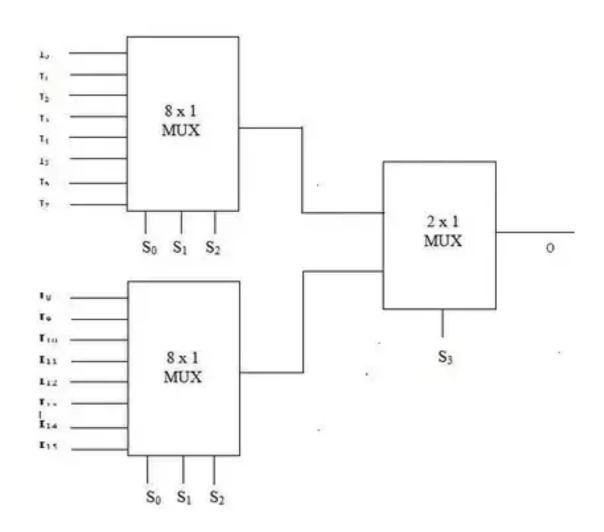
Implementing Functions using Multiplexers

❖ Example: F (A,B,C,D) = Σ m(1,3,4,11,12,13,14,15)

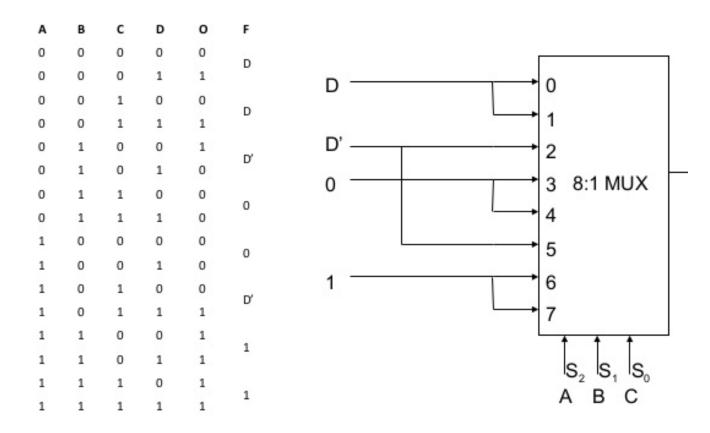
→ 16-to-1 MUX (conventional approach)

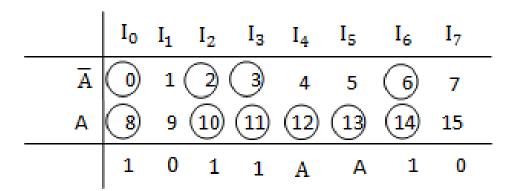
→But using the efficient approach ... will use only an 8-to-1 MUX + 1 inverter

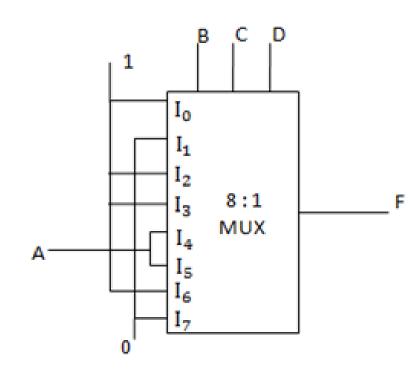


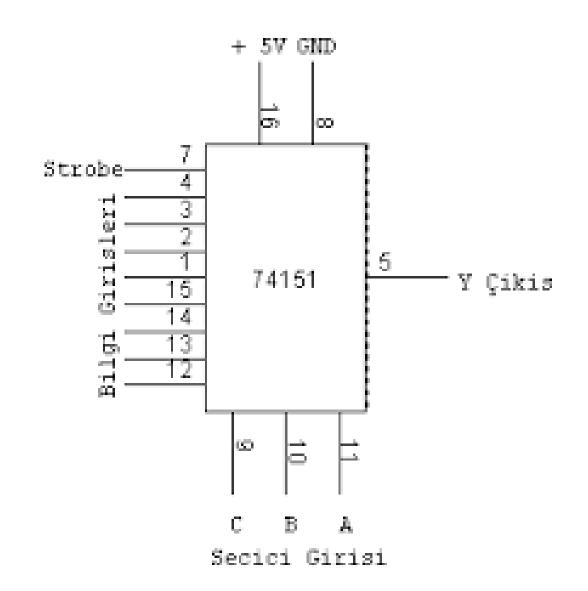


f(a, b, c) = F=A'B'C'D + A'B'CD + A'BC'D' + AB'CD + ABC'D' + ABC'D + ABCD' +









74151 Bacak Bağlantısı