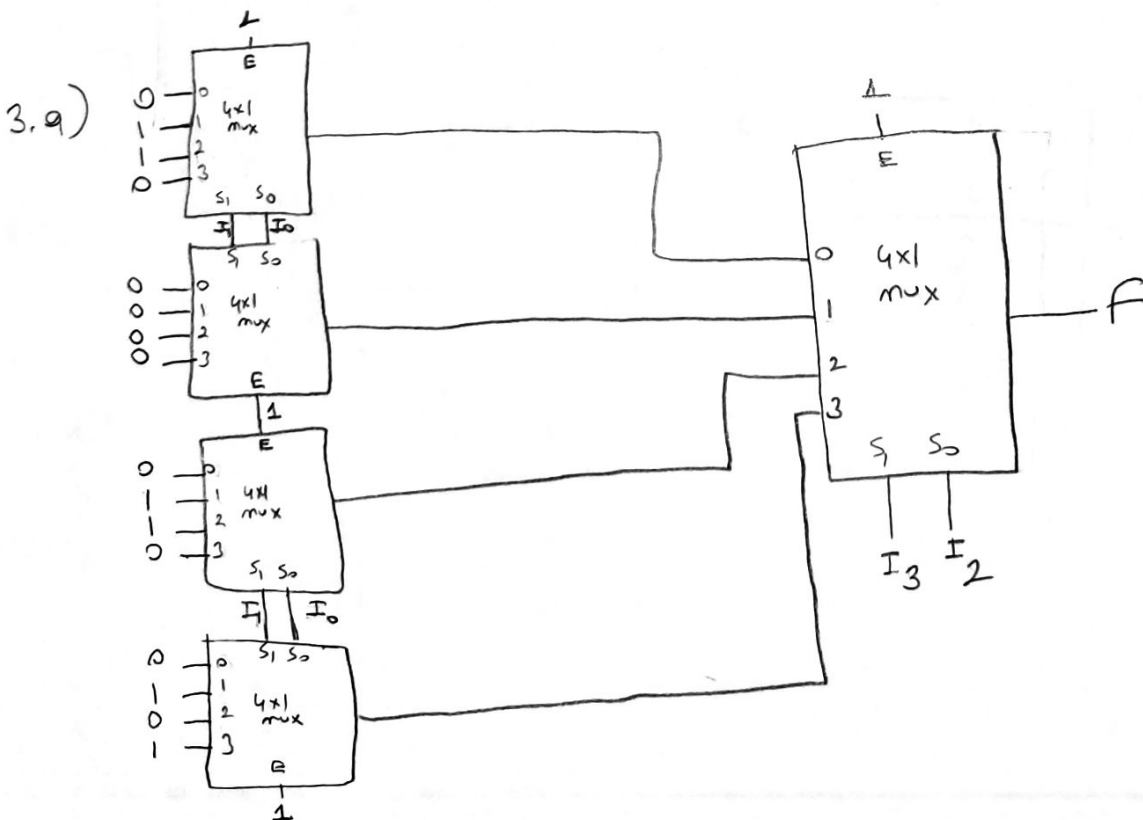
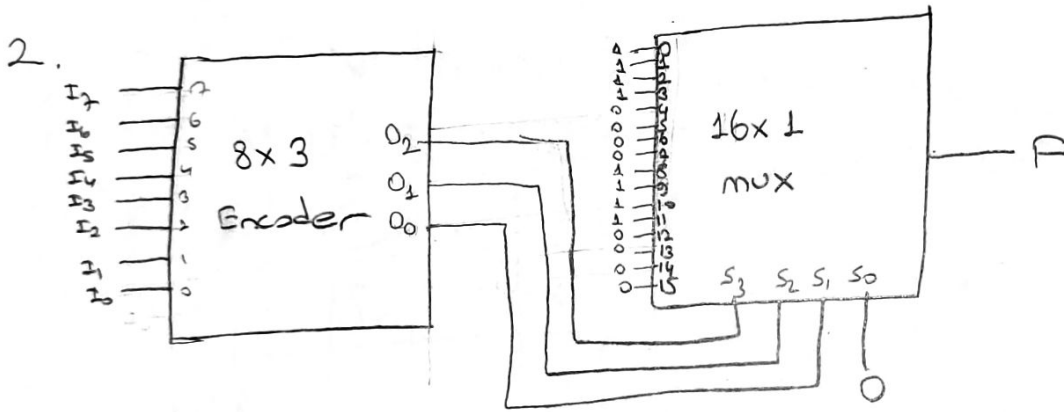
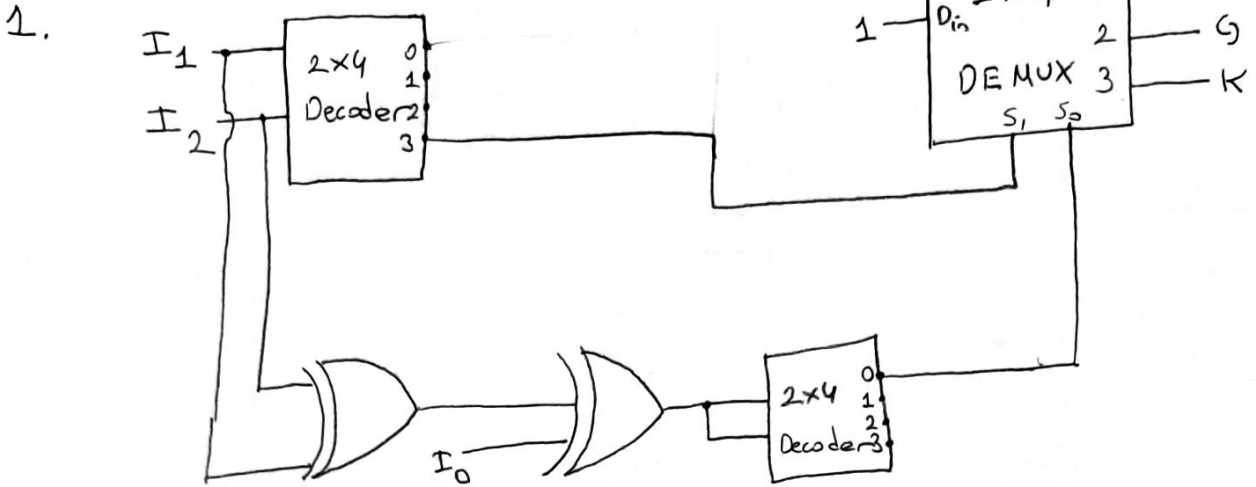
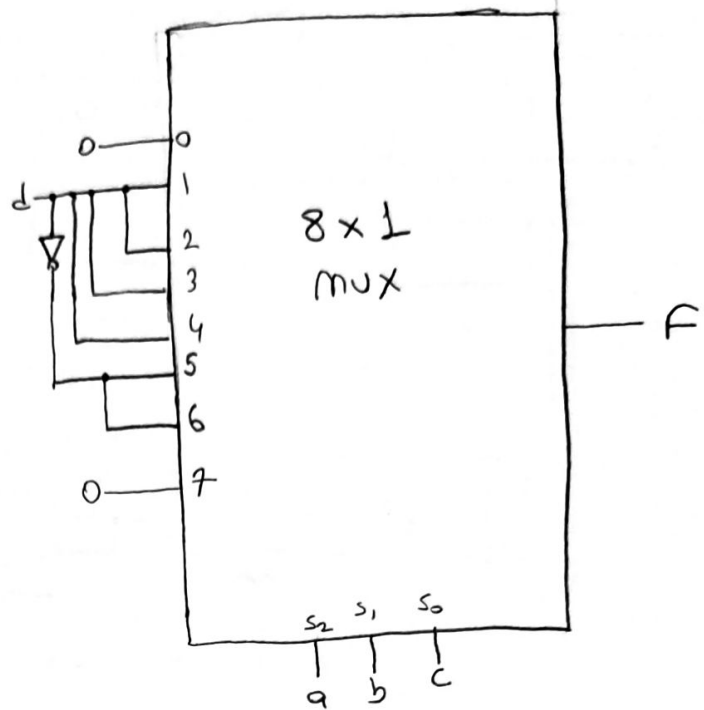


BİL 264 HW 5
191101010
murat şahin



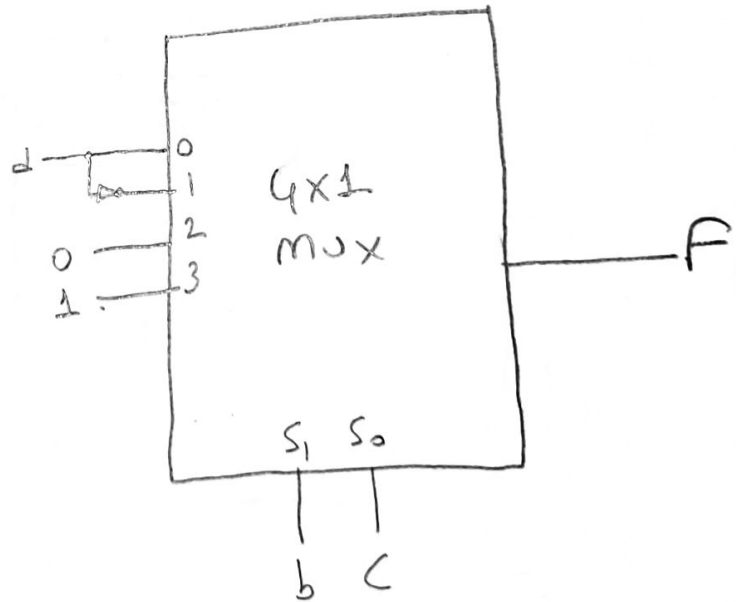
3.b)

a	b	c	d	F
0	0	0	0	0
0	0	0	1	0
0	0	1	0	0
0	0	1	1	1
0	1	0	0	0
0	1	0	1	1
0	1	1	0	0
0	1	1	1	1
1	0	0	0	0
1	0	0	1	1
1	0	1	0	1
1	0	1	1	0
1	1	0	0	1
1	1	0	1	0
1	1	1	0	0
1	1	1	1	0



3.c) $A'B'C'D \vee AB'C'D \vee A'B'C'D' \vee AB'C'D' \vee A'BC \vee ABC$
 $\overline{\overline{B'C'D(A'+A)}} \vee \overline{\overline{B'C'D'(A'+A)}} \vee \overline{\overline{BC(A'+A)}} \xrightarrow{(x.1=x)} \overline{\overline{B'C'D}} \vee \overline{\overline{B'C'D'}} \vee \overline{\overline{BC}}$
 (Ponter) $\overline{\overline{B'C'D}} \vee \overline{\overline{B'C'D'}} \vee \overline{\overline{BC}}$
 A'dan bağımsız olduğu görülüyor.

b	c	d	F
0	0	0	0
0	0	1	1
0	1	0	1
0	1	1	0
1	0	0	0
1	0	1	0
1	1	0	1
1	1	1	1



4

a)

Out 1

			s_3	
$s_1 s_2$	00	01	11	10
s_2	00	1	1	1
01	1	1	1	1
11	0	0	0	0
10	0	0	0	0
	s_4			s_1

$$F = s_1' \cdot s_7$$

Hiz 10 km/h aşmalı

Out 2

Önde aram tespit edildiğinde fren yapacağı için

$$F = s_1 \cdot s_7$$

Hiz 10 km/h aşmalı

Out 3

			s_3	
$s_1 s_2$	00	01	11	10
s_2	00	1	0	0
01	0	1	0	0
11	0	0	0	0
10	0	0	0	0
	s_4			s_1

$$F = s_1' \cdot s_3' \cdot s_4 \cdot s_7$$

Hiz 10 km/h aşmalı

Out 4

			s_3	
$s_1 s_2$	00	01	11	10
s_2	00	0	0	1
01	0	0	0	1
11	0	0	0	0
10	0	0	0	0
	s_4			s_1

$$F = s_1' \cdot s_3' \cdot s_4 \cdot s_7$$

Hiz 10 km/h aşmalı

out 5

$$F = S_5 \rightarrow \text{carpisma olursa}$$

out 6

$$F = S_6 \rightarrow \text{yağmur yağınca}$$

b)

