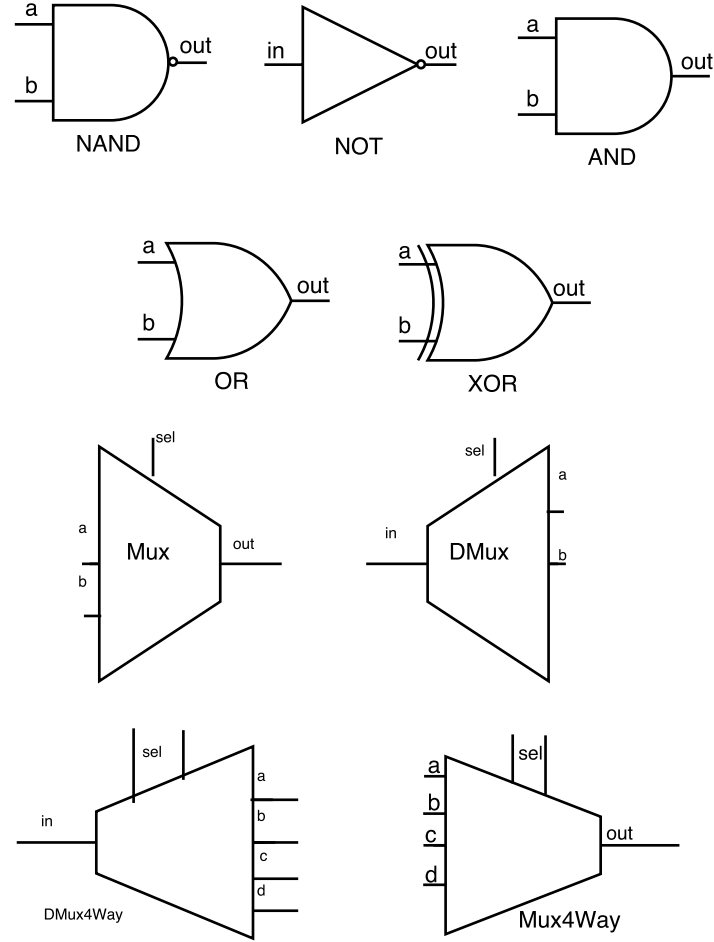


LEGEND:



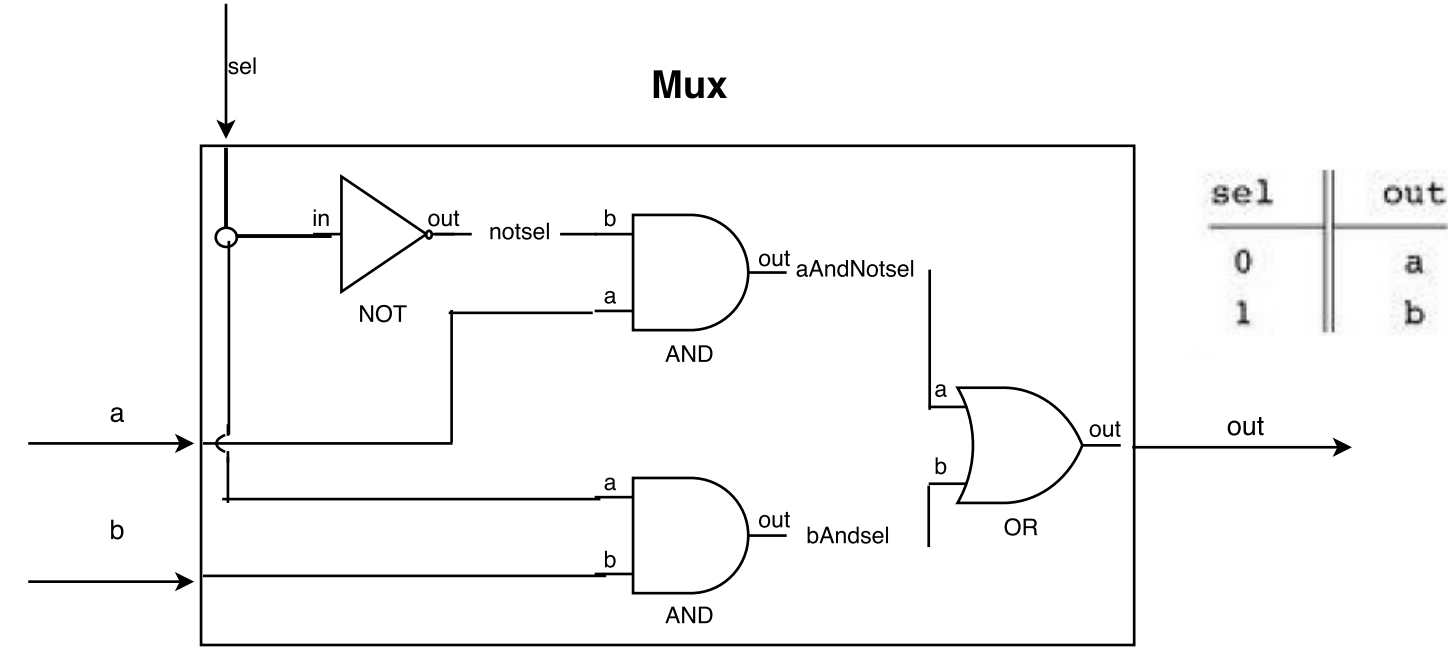
Homework #2

CS220 - Computer Architecture + Machine Language

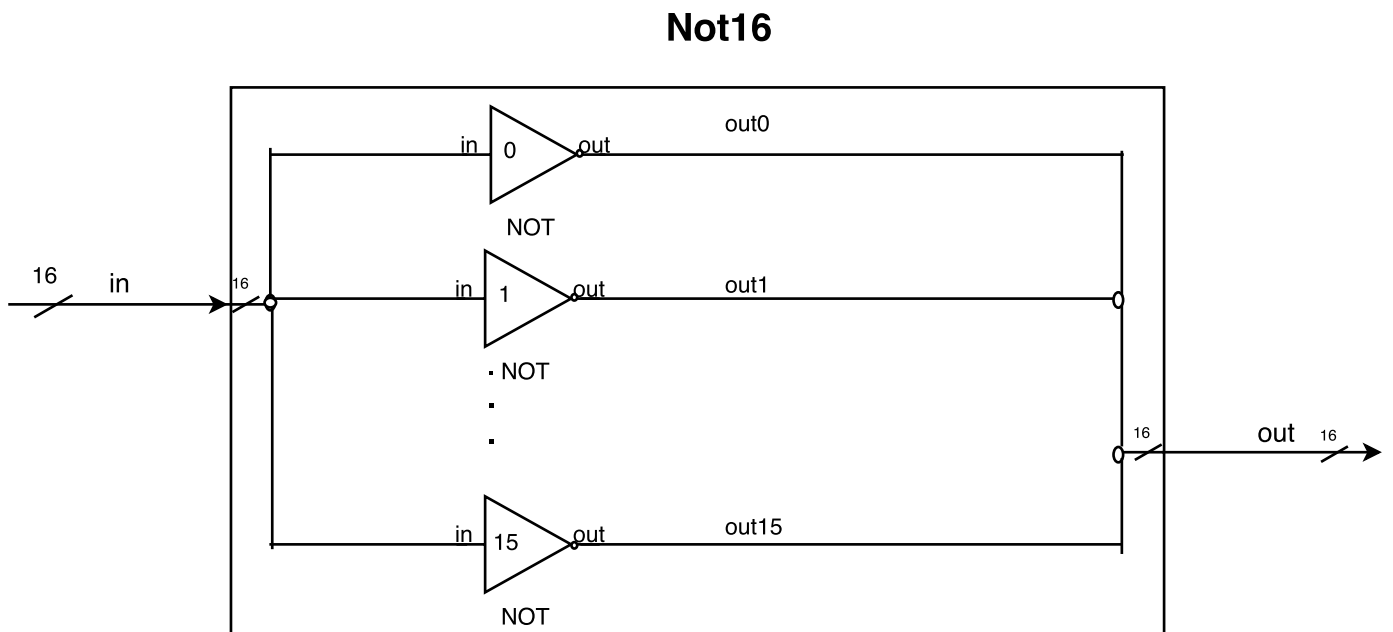
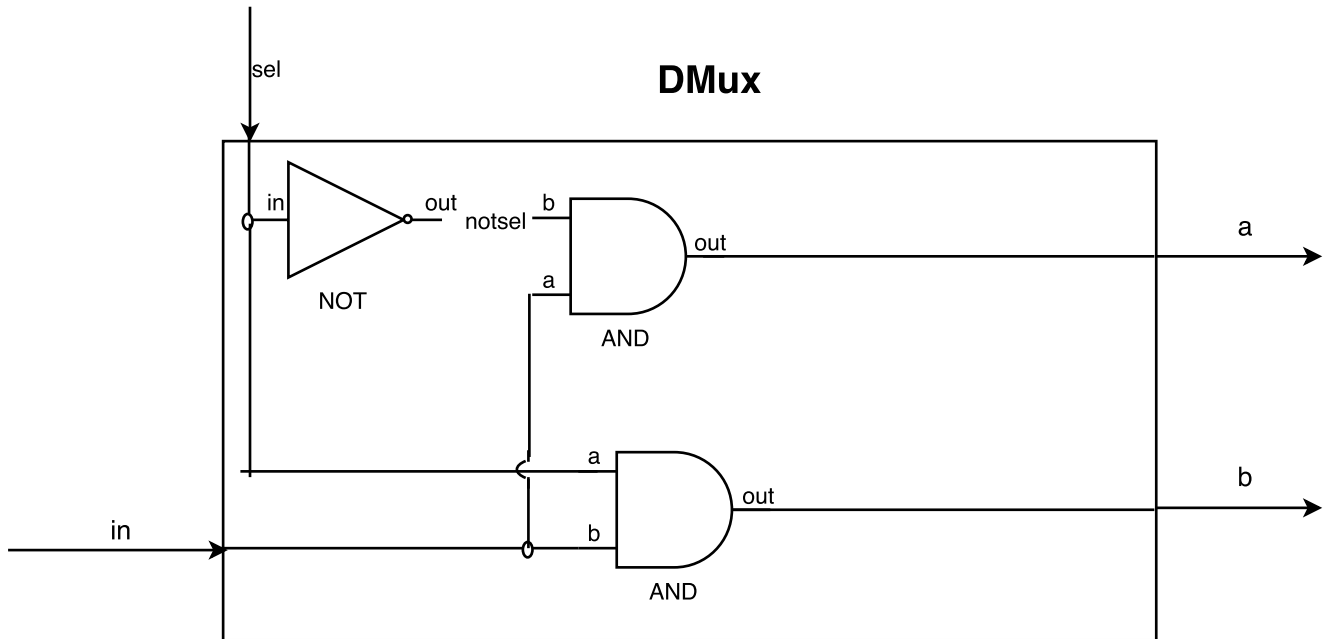
Author: Tina Taleb

Section: 2653 M/W 3:30pm - 5:20pm

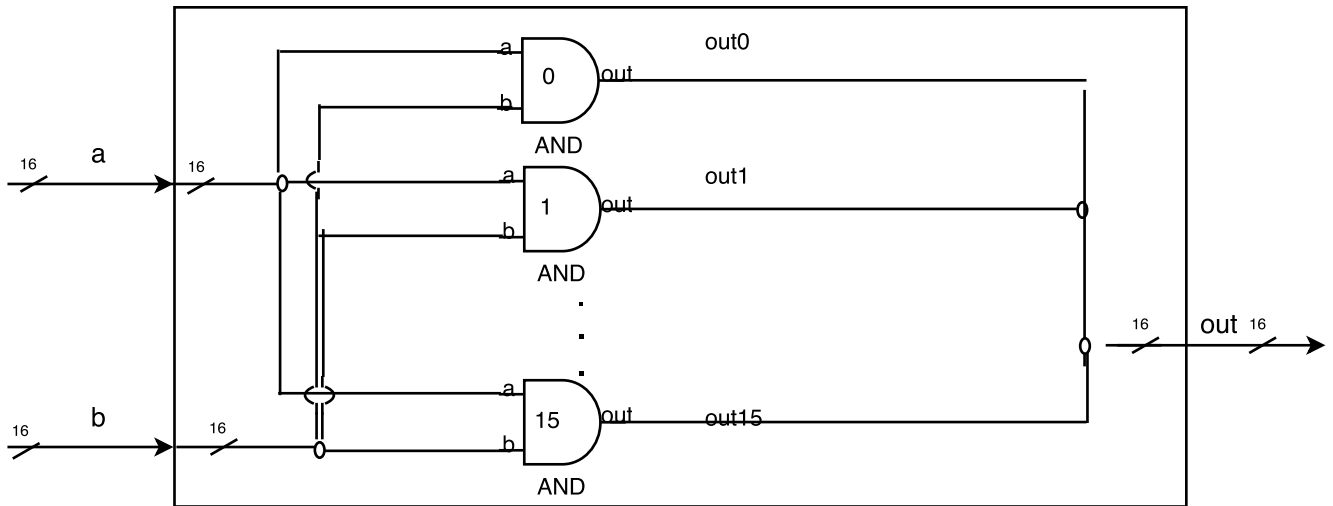
Last Modified: 2/5/17



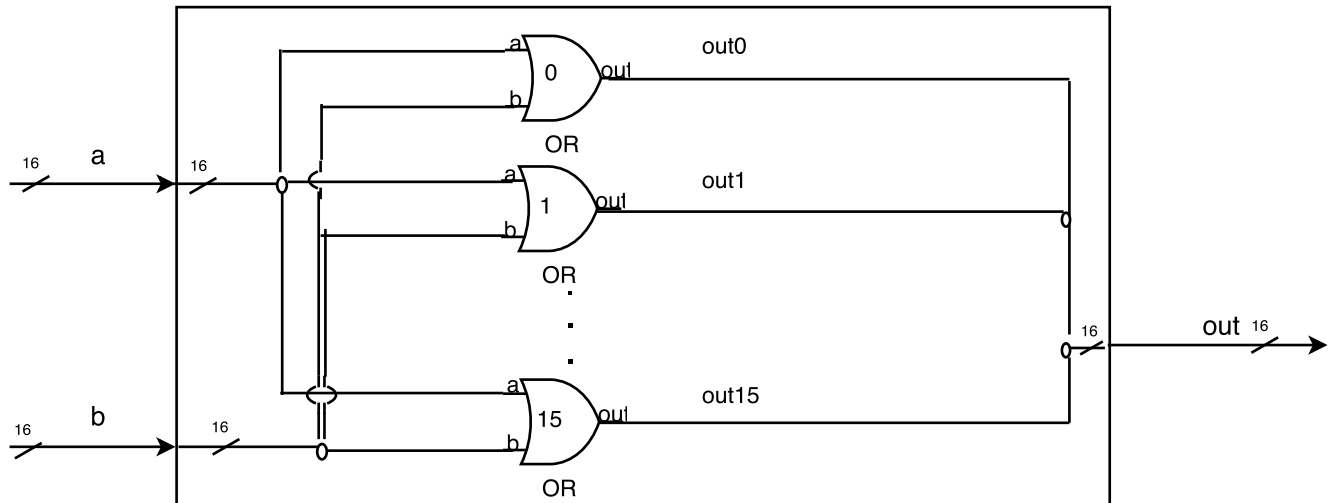
sel	a	b
0	in	0
1	0	in

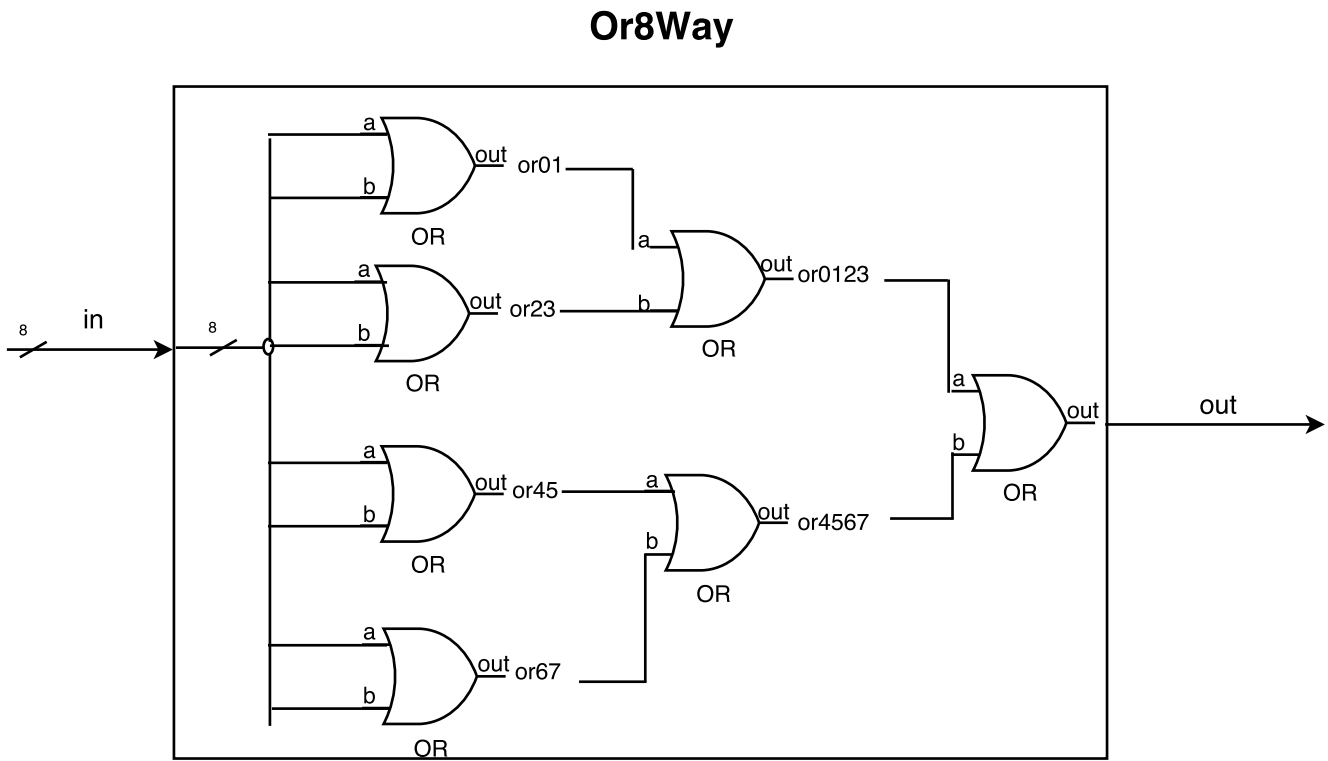
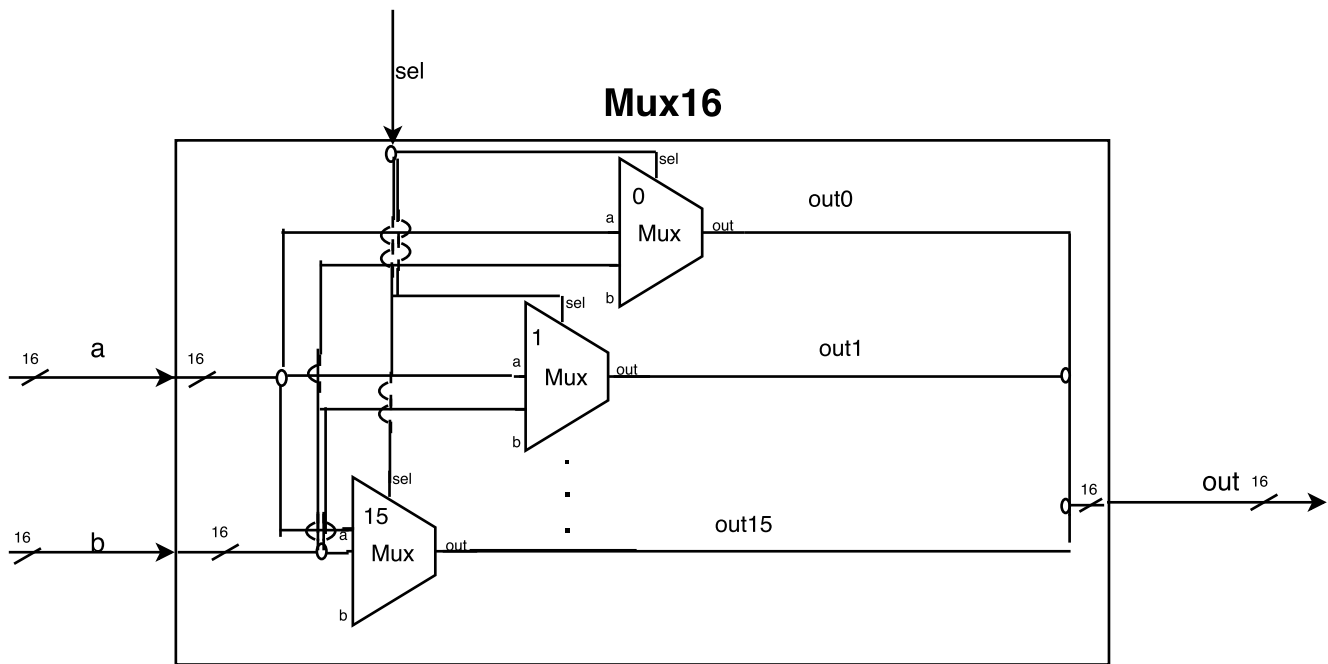


And16

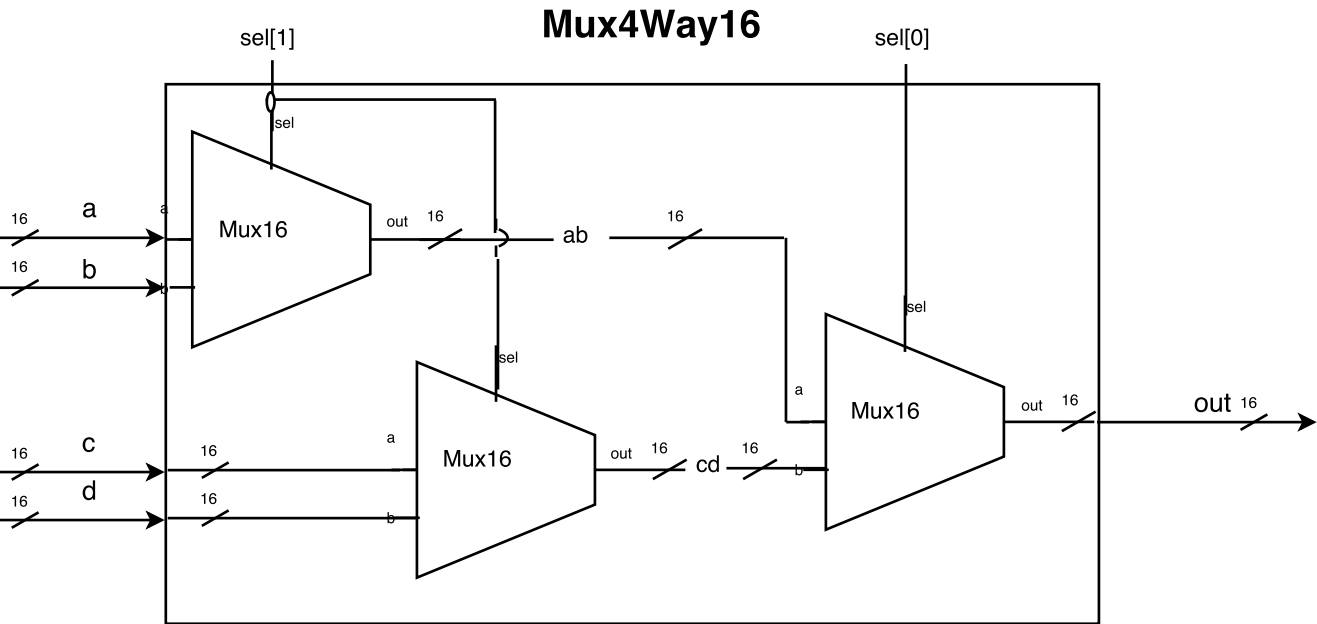


Or16

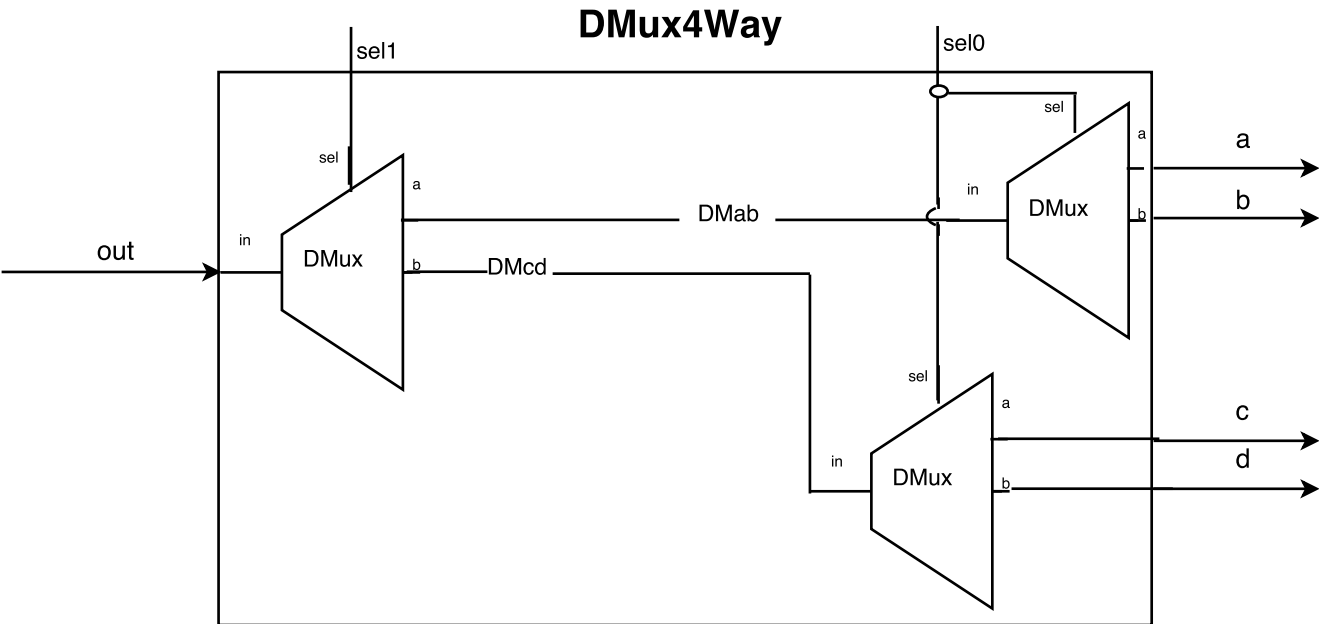




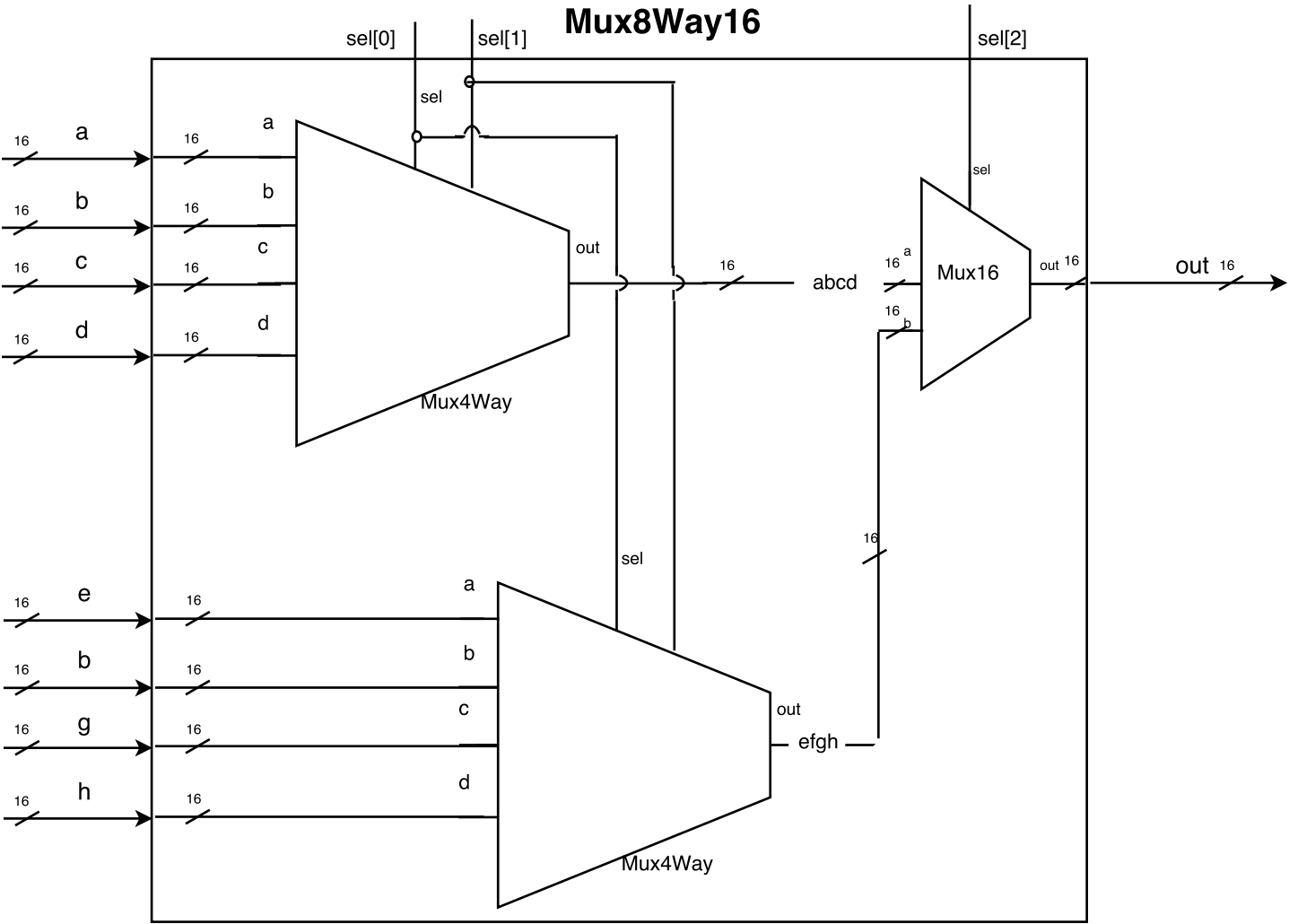
sel[1]	sel[0]	out
0	0	a
0	1	b
1	0	c
1	1	d



sel[1]	sel[0]	a	b	c	d
0	0	in	0	0	0
0	1	0	in	0	0
1	0	0	0	in	0
1	1	0	0	0	in



<u>sel[2]</u>	<u>sel[1]</u>	<u>sel[0]</u>	out
0	0	0	a
0	0	1	b
0	1	0	c
0	1	1	d
1	0	0	e
1	0	1	f
1	1	0	g
1	1	1	h



<u>sel[2]</u>	<u>sel[1]</u>	<u>sel[0]</u>	a	b	c	d	e	f	g	h
0	0	0	in	0	0	0	0	0	0	0
0	0	1	0	in	0	0	0	0	0	0
0	1	0	0	0	in	0	0	0	0	0
0	1	1	0	0	0	in	0	0	0	0
1	0	0	0	0	0	0	in	0	0	0
1	0	1	0	0	0	0	0	in	0	0
1	1	0	0	0	0	0	0	0	in	0
1	1	1	0	0	0	0	0	0	0	in

