



(a) Logic diagram of the selective inverter.

Invert = 1	
<i>a</i>	<i>x</i>
0	1
1	0

(b) Truth table with the inverter turned on.

Invert = 0	
<i>a</i>	<i>x</i>
0	0
1	1

(c) Truth table with the inverter turned off.