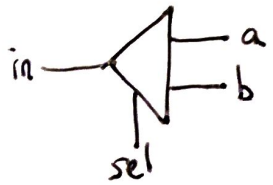
Chip Name: DMux

Inputs: in, sel

Outputs: a, b

Function: If sel = 0 then (a = in, b = 0)
else (a = 0, b = in)



in	sel	a	b	
0	0	0	0	✓
0	1	0	0	✓
1	0	1	0	in·¬sel
1	1	0	1	in·sel

DMux(in, sel) = (And(in, Not(sel)), And(in, sel))