

Task 4

In this case we need to convert a 4-bit number into its complement to two. A truth table is built first with four outputs corresponding to the four input bits of the number complemented, as shown below.

4-Bit Input				2-Complement Output			
d	c	b	a	$f(d)$	$f(c)$	$f(b)$	$f(a)$
0	0	0	0	0	0	0	0

Table 1: Outputs with complement to two.