

Table 9.2 Alternative Representations for 4-Bit Integers

Decimal Representation	Sign-Magnitude Representation	Twos Complement Representation	Biased Representation
+8	—	—	1111
+7	0111	0111	1110
+6	0110	0110	1101
+5	0101	0101	1100
+4	0100	0100	1011
+3	0011	0011	1010
+2	0010	0010	1001
+1	0001	0001	1000
+0	0000	0000	0111
−0	1000	—	—
−1	1001	1111	0110
−2	1010	1110	0101
−3	1011	1101	0100
−4	1100	1100	0011
−5	1101	1011	0010
−6	1110	1010	0001
−7	1111	1001	0000
−8	—	1000	—