Table 1-3: Sign and Magnitude Binary Numbers

Sign	22	21	20	Decimal
O	1	1	1	+7
0	1	1	0	+6
0	1	0	1	+5
0	1	0	0	+4
0	0	1	1	+3
0	0	1	0	+2
0	0	0	1	+1
0	0	0	0	+0
1	0	0	0	-0
1	0	0	1	-1
1	0	1	0	-2
1	0	1	1	-3
1	1	0	0	-4
1	1	0	1	-5
1	1	1	0	-6
1	1	1	1	-7

Let's say that we want to add +1 to -1. We'd expecsign and magnitude representation we get a different Figure 1-10.

Figure 1-10: Sign and magnitude addition