







































Two's Complement for N=32	
0000 0000 0000 0000 0000 _{bwo} = 0000 0000 0000 0000 0001 _{bwo} =	0 _{ten} 1 _{ten}
0000 0000 0000 0000 0010 _{two} =	2 _{ten} 2,147,483,645 _{ten}
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2,147,483,646 ^{ten} 2,147,483,647 ^{ten} -2,147,483,648 ^{ten} -2,147,483,648 ^{ten}
1000 0000 0000 0000 0010 _{two} =	-2,147,483,646 _{ten} -2,147,483,646 _{ten}
	-Ž ^{ten} -1 _{ten}
 One zero; 1st bit called sign bit 1 "extra" negative:no positive 2,147,483,648_{len} 	
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