Homework#1
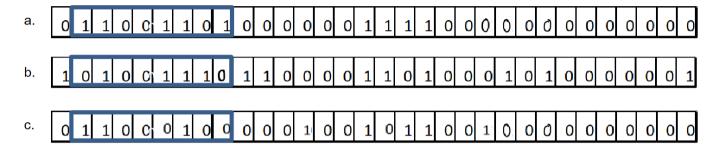
Floating point number

1. Find the decimal equivalent of the following IEEE-32 bits floating point machine number.

a.
0	1	1	0	0	1	1	0	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0

b.
1	0	1	0	0	1	1	1	0	1	1	0	0	0	0	1	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	1

c.
0	1	1	0	0	0	1	0	0	0	0	0	1	0	0	1	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0

2. Find the IEEE-32 bits floating point machine number equivalent to the given decimal number.
   a. 36.589
   b. -1.2798
   c. 0.0000458