

[문제 1]

(1)

$$\begin{array}{r}
 -89 \quad = 1010 \ 0111 \\
 +(-45) \quad = \underline{1}101 \ 0011 \\
 + \\
 \hline
 0111 \ 1010 \text{ (Sign bit = 0 indicates overflow)}
 \end{array}$$

(2)

$$\begin{array}{r}
 +89 \quad = 0101 \ 1001 \\
 -(-45) \text{ i.e. } +45 \quad = 0010 \ 1101 \\
 + \\
 \hline
 1000 \ 0110 \text{ (Sign bit = 1 indicates overflow)}
 \end{array}$$

[문제 2]

(1) 0001 0010 0010 0010 (BCD)

(2) 1000 0010 1001 (BCD)

[문제 3]

(1) 십진수 119

(2) 십진수 +119

[문제 4]

(1) 0EFE (2) 229

[문제 5]

S E M

1	01111010	000000000000000000000000
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[문제 6]

(1) 0.110101×2^{-3}

(2) 0.110010×2^{19}

[문제 7]

R1=01000101