

问题1、

+0.10110110 : 原码: $[x]_{\text{原}} = |x| = 0.10110110$

补码: $[x]_{\text{补}} = x = 0.10110110$

反码: $[x]_{\text{反}} = x = 0.10110110$

-0.10000010 : 原码: $[x]_{\text{原}} = 1 + |x| = 1.10110110$

补码: $[x]_{\text{补}} = 2 - |x| = 1.01111110$

反码: $[x]_{\text{反}} = 1.01111101$

问题2、

0.11010011 + -0.00110101 : $[a + b]_{\text{补}} = [a]_{\text{补}} + [b]_{\text{补}} = 0.10011110$

$[a + b]_{\text{原}} = [a + b]_{\text{补}} = 0.10011110$

+0.10000001 + 0.00101111 : $[a + b]_{\text{补}} = [a]_{\text{补}} + [b]_{\text{补}} = 0.10110000$

$[a + b]_{\text{原}} = [a + b]_{\text{补}} = 0.10110000$