$\frac{1}{\alpha} \left(1011011.001 \right)_{2} = 1.2^{6} + 0.2^{5} + 1.2^{4} + 1.2^{3} + 0.2^{7} + 1.$... + 1 2 + 1 2 + 0 2 + 0 2 ... (64+16+8+2+1+0.125)10