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Section: 5-B

RON NO: 19P-0061

Number = 100.875

Step 1

Converting Decimal to Binary

10)	1061
10	y6 f 0
+	/

21	100
2	50 - 0
2	25 -0
2	12 - 1
2	6-0
2	3 - 0
	1 - 1

$$(100)_{10} \rightarrow (1100100)_{2}$$

$$0.875 \times 2 = 1.75$$

 $0.75 \times 2 = 1.5$
 $0.5 \times 2 = 1$

Step 2
"Finding Exponent" 1100100.111 Exponent = 6 Biased Exponent = 6+127 -(133) 2 66-1 2 33-0 2 16-1 2 8-0 2 4-0 2 2 -0 $(133)_{10} = (10000101)_{2}$ Finding Manhissa Final