$$\bar{x} = 10.52$$

$$d = 1 - Confidence level$$

$$d = 1 - 0.99 = 0.01$$

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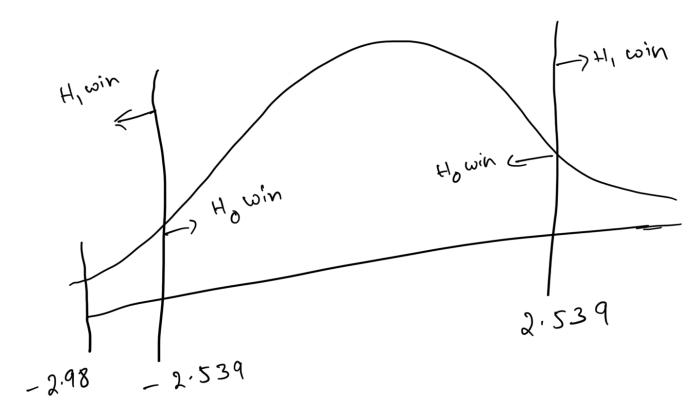
$$d = \frac{1 - 0.99}{1 - 0.99} = 0.01$$

$$H_0: \mathcal{H} = 11.5^2$$

$$dl = n - 1 = 2.539$$
Critical value = 2.539

ritical value =
$$2.539$$

 $t = \frac{10.52 - 11.52}{5/\sqrt{5}} = -2.98$



a)
$$N = 10$$
 $df = 9$ $d = 0.01$
 $X = 10.52$ $S = 1.5$ $M = 11.52$
 $Coitical value = 2.821$
 $Coitical value = 10.52 - 11.52 = 2.821$
 $Coitical value = 10.52 - 11.52 = 1.5110$

