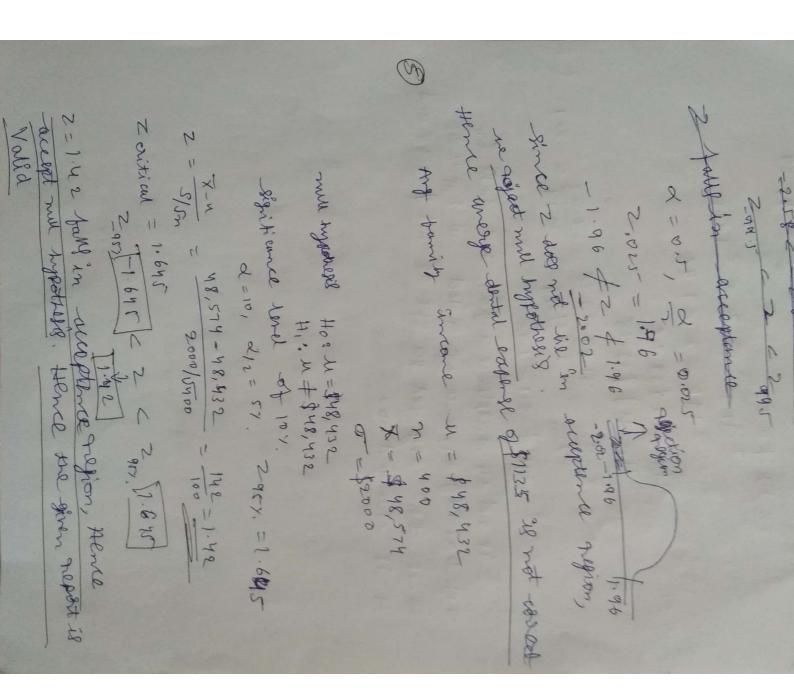


M=34 ppm chemical pollutarit mean 0=8pm level of Eignificance = 1% Ho. U= 34

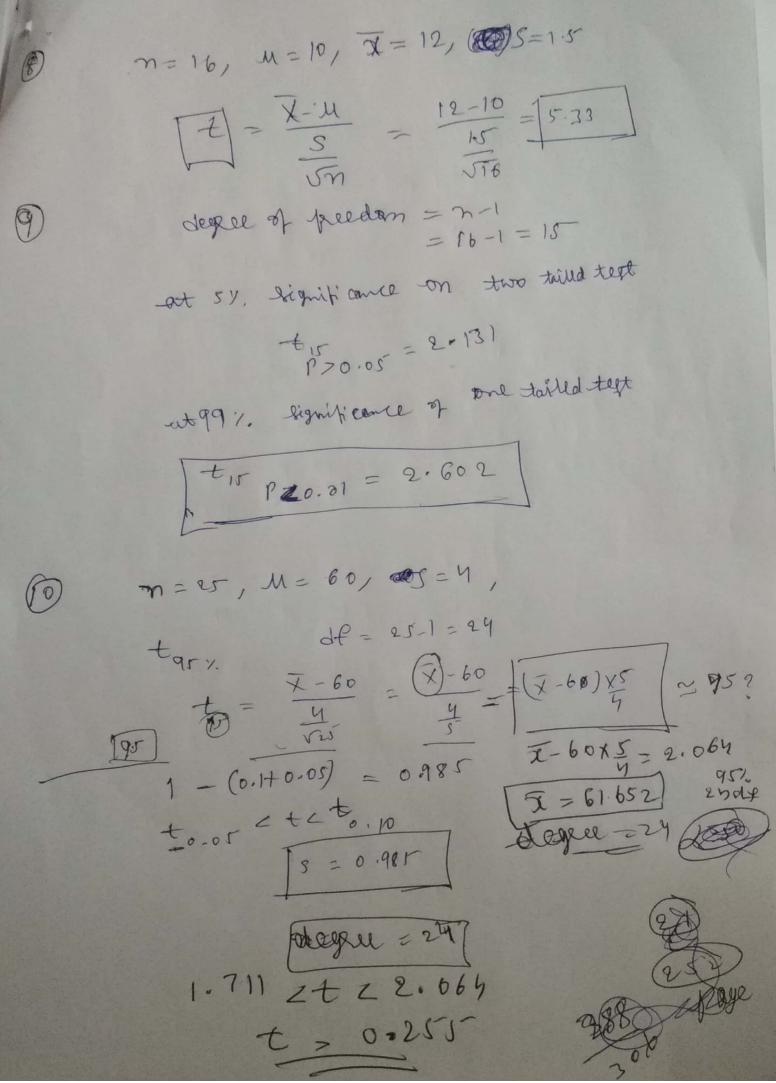
Ho. U= 34

Hi. M 734 storedard deviation (3) Sample size n=50 Sample mean X = 32.5 PP m  $2 = \frac{\sqrt{2} - 1}{\sqrt{5}} = \frac{325 - 34}{\sqrt{5}} = \frac{-1.5}{\sqrt{5}} = \frac{-1.33}{\sqrt{5}} = -1.33$ Exiticed value of z with 1%. Significance is -2.58 < 2 < 2 < 2.58 -258 \( -i.33 \) since z fall in the given runge, we write zon Hence wasangs claim of lowering pollution is torul. Any dotal expenditure u = 1135\$ n = 22 m not familief of size 4 1008, B12, 1117, 1323, 1308, 1415, 831, 1021, 1287, 851, 930, 22 familie expenditue & = 0:5 730, 899, 872, 913, 944, 954, 987, 1695, 995, 1003, Ho: # = 7135 H1: M 7 1135 994 Average of 22 familial with nostors = 22,869 = 1037.32 20.995 = 2.58  $S = \sqrt{\frac{(209-103)\cdot 2}{32}} = \sqrt{\frac{(812-103)\cdot 2)^2}{92-1}}$ 4(994-)017-2)2 244.37

Any workhouse tost per St u = \$32.28 X = \$31.67 5%. Significant 291.5 < 2 < 2 +97.5 -196 CZ C].96 Ho: 24 7\$32.28 Hi: M= \$32.28  $Z = \overline{X} - \frac{1}{2} = \frac{31.67 - 32.28}{1.291519} = \frac{-0.61}{0.29} = -2.7$ -1.96 t-2.1 < 1.96 Zis not in acceptance orlgion, i.e falls in Aljection Refirm, Pence we gréget mu hypothésis Hence the eng lot per 8/4 is not \$32.28 tend it is changed now



And weekings cost per St 11 = \$32.28 X X= \$31.67 = \$1.29 5% significant 291.5 = 2 = 2 +97.5 -196 CZ C1.96 Ho: 21 7\$32.28 H1: M= \$32.28  $2 = \overline{\chi} - 4 = 31.67 - 32.28 = -0.61 = -2.7$ -1.96 \$-2.1 < 1.96 Zis not in acceptance origion, i.e falls in rejection region, sence ne réject mu hypothesis Hence the eng cost per 8/t is not \$32.28 and It is changed now



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