12: Treatment x	Treatment y	(ルーズ)	2 (4-4)2
13.5	10.1	10.96	86.27
23.0	27.6	38.36	67.43
13.2	13.8	13.04	31.23
12.7 22.1 17.5	13·1 25·6 26·7	27.98	38-59 53.46 90.47
20.1	28.9 30.1 25.4	10.82 32.37 4.79	114.74
19.0 21.9 13.2	21.9	25.90 13.04 33.76	6·31 53·12 35·86
11.0	13.4	16.08	50·24 3 5 6 ·6 7 3 9 7 ·91
11.6 23.0 13.2	22. 2 12.3 22.2	27·15 38·31 13·04 37·08	7.91
22.9		13.77	3

$$n_1 = 19$$
 $n_2 = 17$ $\Xi(x-\bar{x})$ $\Xi(y-\bar{y})$ $\bar{\chi} = 16.81$ $\bar{y} = 19.39$ 387.54 825.54

Variance
$$5x^2 = \frac{2(x-x)^2}{n-1} = \frac{387.54}{18} = 21.53$$

$$Sy^2 = \frac{2(y-y)^2}{n-1} = \frac{825.54}{16} = 51.60$$

$$f_{stat} = \frac{\text{High } S^2}{1000} = \frac{51.60}{21.53} = \frac{2.40}{21.53}$$

$$t = \frac{(\pi - \overline{y})}{\sqrt{\left(\frac{Sn^2}{n_1} + \frac{Sy^2}{n_2}\right)}} = \frac{16.81 - 19.39}{\sqrt{\frac{21.53}{19} + \frac{51.60}{17}}}$$

$$t = \frac{-2.58}{\sqrt{1.13+3.04}} = \frac{-2.58}{2.04} = -1.26$$

$$D0F = \frac{\left(\frac{Sx^{2}}{n_{1}} + \frac{Sy^{2}}{n_{2}}\right)^{2}}{\left(\frac{Sx^{2}}{n_{1}}\right)^{2}} + \frac{\left(\frac{Sy^{2}}{n_{2}}\right)^{2}}{\left(\frac{N}{n_{1}}\right)^{2}} + \frac{\left(\frac{Sy^{2}}{n_{2}}\right)^{2}}{n_{2}-1}$$

$$=\frac{\left(1.13+3.04\right)^{2}}{\frac{\left(1.13\right)^{2}+\left(3.04\right)^{2}}{18}}$$

$$DOF = \frac{17.39}{0.07 + 0.58} = 26.75 = 27$$

: fail to reject Ho.