O Ho There is No Significent difference in The various of The
Policien and Sample

H, Thore is a Significent difference in The various of Population
and Sample

-					1
TV,	I V, L	V2	V,	V ₃	V3
27	729	63	3969	52	3600
43	1849	43	1849	37	1369
64	4096	58	3364	40	1600
62	3744	54	2916	23	529
34	1936	50	2580	55	3025
54	3249	65	4225	52	2704
49	2401	53	2809	43	1849
31	4761	149	2401	440	20422
500	26742	530	28586	L-++-	_

C2 = $\frac{2(21)^{2}}{N}$ = $\frac{500 + 530 + 446}{30}$

Sem of squeun of Total

389 = 2x2 - 6x = 26742 + 28586 +2042

[37 2 3720]

+1, There is a Significan deffor en

Finance				
2	1 22			
1076	115-7			
5-05	226.50			
7.01	289.34			
5.07	25-7			
19.5	380.26			
8-16	66-58			
10.38	107.74			
6.75	45.56			
72-62	1257.47			

Energy				
[I	x2			
12.72	161 - 79			
13.91	193-48			
6-43	41-34			
11.19	125.21			
13-79	353-06			
20.73	429-73			
9.6	92-16			
17.4	302 -7			
110-77	1699-56			

CHILITER				
7_	2 4			
11.88	141-13			
5. 86	34.33			
13-46	131-17			
9.9	98-01			
3-95	15-60			
3-44	11.83			
7.11	50-66			
15.7	246-49			
71.3	779,13			

Correction Thorn
$$C_{2} = \frac{4}{5} \frac{(2.88 + 110.77 + 71.3)^{2}}{N} = \frac{3145.31}{24}$$

Sum of Squar of Total SST.

$$2x^2 - Cx = 1257 - 46 + 1699.56 + 779.13$$

$$-3145-31$$

$$\boxed{357} = 590.35$$

San of Square among group SSA:

$$= \frac{(\xi x^{2})}{N} - Cx$$

$$= \frac{99.68}{10} + \frac{110 - 77^{2}}{10} + \frac{71.3^{2}}{10} - 3145.31$$

$$= \frac{7452.6}{10}$$

mean of 89 use aroung $\sqrt{16}$ 90 only $M_{23}A$. $M_{53}A = \frac{38 \, \text{H}}{N-1} = \frac{590.85}{8-1} = 84.4$ $M_{35}u = \frac{59u}{7674k-K} = \frac{7452.63}{24-3} = 354.9$

Sown of Varian	1 df	1 199	M sg	Brake /
Among ground	8-1=7	7452-7	84.40	4-204
willin group	24-3-24	6861-83	354-89	Pion

to & Resulul and to 4 accepted

So, to is accepted

4) Ho = N = 100 H, : N = 100

mean x = 100.83

5 (S.D) = 1.7573 , n= 10, V= 10-1=9

14 Loud 95%, a = 0.05, \$\frac{1}{2} = 0.025

2- En-1, 0/2 5 1 L / L 2 + tn-15 5

100.83 - 2.262 * 1.7573 & H & 100.83 + 2.262 X (17573)

100.23 - 1.279 5 X H 5 100.23+1,2 77

99.5 £ M £ 102.1

The mean is 100 and 90%, of confident, awards speed botch of lary blu 9.9.5 and 102-1 mpl.

DATH'S

$$n = 169$$

$$2 = \frac{15 \cdot 5 - 13}{13 / \sqrt{169}} = 2.15$$

2 >1-96 Null Hypothing Resected