ANOVA:

①	②	③
51	23	56
45	43	
33		76
	23	
45	43	74
67		87
	45	
		56

1) Set the hypothesis first $H_0 = \mu_1 = \mu_2 = \mu_3$

Alternative hypothesis $\mu_1 \neq \mu_2 \neq \mu_3$

2) $\alpha = .05$

3) Degree of freedom between groups $k-1 = 3-1 = 2$

degree of freedom within equals to $= N - k = 15 - 3 = 12$

df ~~= 8 (6+2)~~ 14 (12+2).

face = 3.89 (F) (Critical value).

4) Calculate f statistic $= \frac{S_{01}}{S_{02}} =$

Variance ~~Statistic~~ calculation.

mean group 1: 48.2 Mean group 2 = 35.4 group 3 = 69.8

Variance is 153.2 Group 2: 128.8 Group 3 = 183.2

~~Grand~~ Mean: ~~Avg. within group is~~ (G1 mean + G2 mean + G3 mean)/3

= ~~155.06~~.

Group mean = 767/15 = 51.13.

SSum whole $= \sum (x - \bar{x})^2 = (51.13 - 51)^2 + (45 - 51.13)^2 + (51.13 - 33)^2$

+ ....

$= (-+13)^2 + (-6.13)^2 + \ldots$

$= 4883.735$.