

Normal Deter Cycling

F-Test Two-Sample for Variances

	<i>Variable 1</i>	<i>Variable 2</i>
Mean	4.2	4.838709677
Variance	3.26E-30	0.806451613
Observations	30	31
df	29	30
F	4.05E-30	
P(F<=f) one-tail	0	
F Critical one-tail	0.539289	

$M(1) < M(2) \wedge F < F\text{-Critical} \Rightarrow \text{Unequal Variance}$

t-Test: Two-Sample Assuming Unequal Variances

	<i>Variable 1</i>	<i>Variable 2</i>
Mean	4.2	4.838709677
Variance	3.26E-30	0.806451613
Observations	30	31
Hypothesized Mean Difference	0	
df	30	
t Stat	-3.96	
P(T<=t) one-tail	0.000213	
t Critical one-tail	1.697261	
P(T<=t) two-tail	0.000426	
t Critical two-tail	2.042272	

$t \text{ stat} < t \text{ Critical} \Rightarrow \text{Same}$