Order Crossover vs PMX with Penalty Function - Input 2   Order Cros PMX

F-Test Two-Sample for Variances

	Variable 1	Variable 2
Mean	-194.421	-194.458
Variance	16767.67	20564.91
Observations	240	240
df	239	239
F	0.815353	
P(F<=f) one-tail	0.057639	
F Critical one-tail	0.80798	

M(1) > M(2) and F > F Critical => Unequal

t-Test: Two-Sample Assuming Unequal Variances

	Variable 1	Variable 2
Mean	-194.421	-194.458
Variance	16767.67	20564.91
Observations	240	240
Hypothesized Mean Difference	0	
df	473	
t Stat	0.003007	
P(T<=t) one-tail	0.498801	
t Critical one-tail	1.648081	
P(T<=t) two-tail	0.997602	
t Critical two-tail	1.964992	
t Critical two-tail	1.964939	

t Stat < t Critical => No significant difference