

Placement Algorithm - Input 2
F-Test Two-Sample for Variances

Repair Penalty

	<i>Variable 1</i>	<i>Variable 2</i>
Mean	-57.7542	-193.39
Variance	65.93109	18764.77
Observations	480	960
df	479	959
F	0.003514	
P(F<=f) one-tail	0	
F Critical one-tail	0.876431	

$M(1) > M(2)$ and $F < F \text{ Critical} \Rightarrow \text{Equal}$

t-Test: Two-Sample Assuming Equal Variances

	<i>Variable 1</i>	<i>Variable 2</i>
Mean	-57.7542	-193.39
Variance	65.93109	18764.77
Observations	480	960
Pooled Variance	12536.16	
Hypothesized Mean Difference	0	
df	1438	
t Stat	21.67035	
P(T<=t) one-tail	1.21E-90	
t Critical one-tail	1.645914	
P(T<=t) two-tail	2.42E-90	
t Critical two-tail	1.961615	

$t \text{ Stat} > t \text{ Critical} \Rightarrow \text{Repair is better}$