

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

Random Repair

	<i>Variable 1</i>	<i>Variable 2</i>
Mean	-55.0167	-57.7542
Variance	31.23981	65.93109
Observations	480	480
df	479	479
F	0.473825	
P(F<=f) one-tail	3.33E-16	
F Critical one-tail	0.860312	

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

t-Test: Two-Sample Assuming Equal Variances

	<i>Variable 1</i>	<i>Variable 2</i>
Mean	-55.0167	-57.7542
Variance	31.23981	65.93109
Observations	480	480
Pooled Variance	48.58545	
Hypothesized Mean Difference	0	
df	958	
t Stat	6.084244	
P(T<=t) one-tail	8.45E-10	
t Critical one-tail	1.646446	
P(T<=t) two-tail	1.69E-09	
t Critical two-tail	1.962443	

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