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

Random Penalty

	Variable 1	Variable 2
Mean	-55.0167	-193.39
Variance	31.23981	18764.77
Observations	480	960
df	479	959
F	0.001665	
P(F<=f) one-tail	0	
F Critical one-tail	0.876431	

M(1) > M(2) and F < F Critical => Equal

t-Test: Two-Sample Assuming Equal Variances

	Variable 1	Variable 2
Mean	-55.0167	-193.39
Variance	31.23981	18764.77
Observations	480	960
Pooled Variance	12524.6	
Hypothesized Mean Difference	0	
df	1438	
t Stat	22.11791	
P(T<=t) one-tail	7.67E-94	
t Critical one-tail	1.645914	
P(T<=t) two-tail	1.53E-93	
t Critical two-tail	1.961615	

t Stat > t Critical => Random is better