Input 1 - Length - Move vs Flip Mutation

F-Test Two-Sample for Variances Move Flip

| | *Variable 1* | *Variable 2* |
|---|---|---|
| Mean | -26.0015 | -33.7084 |
| Variance | 0.768971 | 13.13069 |
| Observations | 199 | 199 |
| df | 198 | 198 |
| F | 0.058563 | |
| P(F<=f) one-tail | 0 | |
| F Critical one-tail | 0.791084 | |

M(v1) > M(v2) and F < F-Critical => Equal Variance

t-Test: Two-Sample Assuming Equal Variances

| | *Variable 1* | *Variable 2* |
|---|---|---|
| Mean | -26.0015 | -33.7084 |
| Variance | 0.768971 | 13.13069 |
| Observations | 199 | 199 |
| Pooled Variance | 6.949832 | |
| Hypothesized Mean Difference | 0 | |
| df | 396 | |
| t Stat | 29.16099 | |
| P(T<=t) one-tail | 6.2E-101 | |
| t Critical one-tail | 1.648711 | |
| P(T<=t) two-tail | 1.2E-100 | |
| t Critical two-tail | 1.965973 | |

t > t Critical => Move is better