Perfect Solutions Found – Constant Evaluations

| | Smallest | | Median | | For Loop Index | | Grade | | Compare String Lengths | |
|---|---|---|---|---|---|---|---|---|---|---|
| **100%** | | | | | | | | | | |
| Standard | 0.616 | 0.776 | 0.660 | 0.892 | 0.436 | 0.448 | 0.276 | 0.280 | 0.164 | 0.372 |
| Reduced | 0.620 | 0.740 | 0.780 | 0.920 | 0.460 | 0.480 | 0.240 | 0.280 | 0.240 | 0.480 |
| Down-sampled | 0.600 | 0.800 | 0.740 | 0.920 | 0.500 | 0.500 | 0.160 | 0.160 | 0.200 | 0.400 |
| Cohort | 0.560 | 0.740 | 0.700 | 0.860 | 0.440 | 0.460 | 0.320 | 0.320 | 0.120 | 0.220 |
| **50%** | | | | | | | | | | |
| Reduced | 0.700 | 0.740 | 0.720 | 0.780 | 0.580 | 0.580 | 0.460 | 0.500 | 0.020 | 0.040 |
| Down-sampled | 0.740 | 0.880 | 0.780 | 0.980 | 0.560 | 0.560 | 0.720 | 0.720 | 0.320 | 0.580 |
| Cohort | 0.820 | 0.960 | 0.700 | 0.920 | 0.580 | 0.580 | 0.720 | 0.740 | 0.240 | 0.380 |
| **25%** | | | | | | | | | | |
| Reduced | 0.280 | 0.300 | 0.380 | 0.460 | 0.660 | 0.660 | 0.580 | 0.600 | 0.020 | 0.020 |
| Down-sampled | 0.820 | 0.860 | 0.860 | 0.980 | 0.600 | 0.600 | 0.880 | 0.900 | 0.360 | 0.600 |
| Cohort | 0.760 | 0.940 | 0.820 | 0.960 | 0.600 | 0.600 | 0.820 | 0.840 | 0.180 | 0.380 |
| **10%** | | | | | | | | | | |
| Reduced | 0.200 | 0.220 | 0.100 | 0.100 | 0.680 | 0.680 | 0.060 | 0.060 | 0.000 | 0.000 |
| Down-sampled | 0.960 | 0.980 | 0.940 | 0.980 | 0.800 | 0.800 | 0.940 | 0.940 | 0.560 | 0.600 |
| Cohort | 0.920 | 1.000 | 0.900 | 0.960 | 0.660 | 0.660 | 0.920 | 0.960 | 0.300 | 0.400 |
| **5%** | | | | | | | | | | |
| Reduced | 0.060 | 0.060 | 0.000 | 0.000 | 0.460 | 0.460 | 0.020 | 0.020 | 0.000 | 0.000 |
| Down-sampled | 1.000 | 1.000 | 0.960 | 0.980 | 0.880 | 0.880 | 0.960 | 0.980 | 0.440 | 0.520 |
| Cohort | 0.960 | 0.980 | 0.920 | 0.940 | 0.800 | 0.800 | 1.000 | 1.000 | 0.180 | 0.240 |

Subsampling Level

Percentage of Runs that Found Perfect Solutions

Lexicase Selection Variant — Standard — Reduced — Down-sampled — Cohort