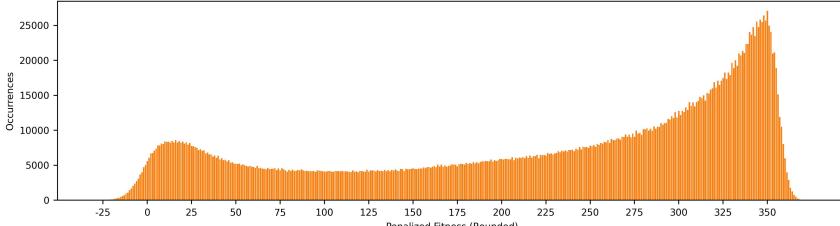
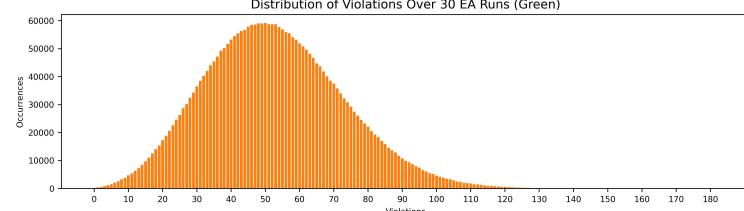


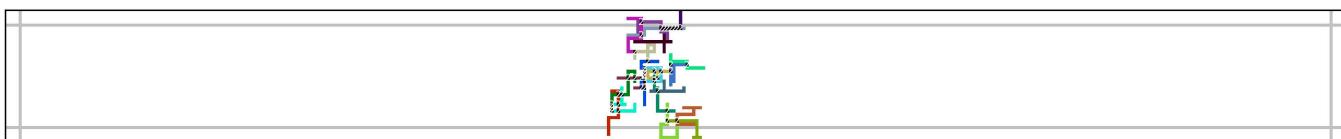
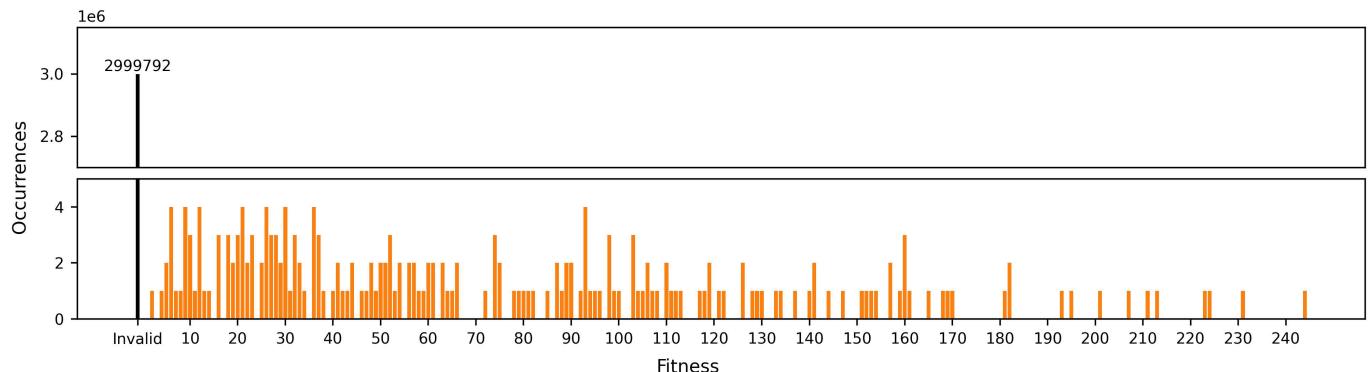
Distribution of Penalized Fitnesses Over 30 EA Runs (Green)



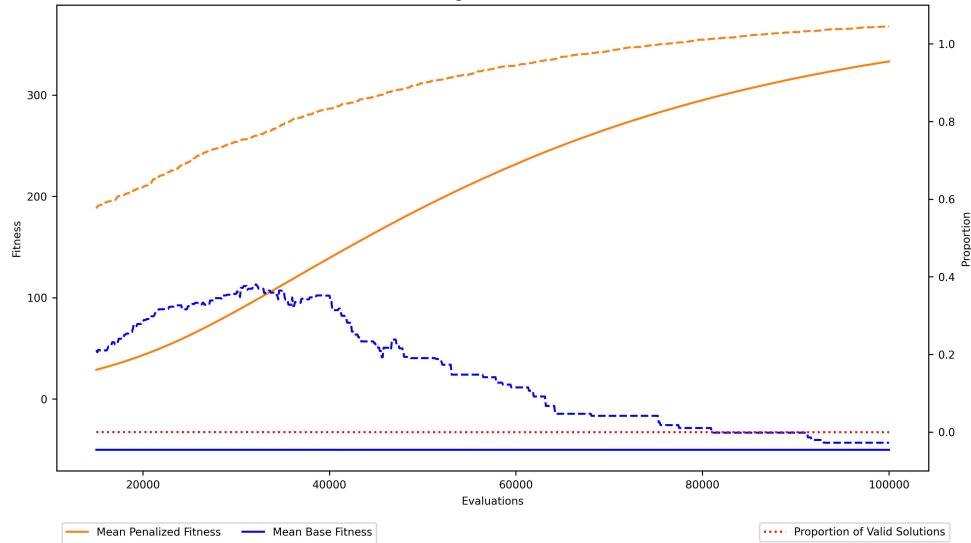
Distribution of Violations Over 30 EA Runs (Green)



Distribution of Base Fitnesses Over 30 EA Runs (Green)



Various Metrics Averaged Across 30 EA Runs (Green)



## Parameters

Run	mu	num_children	mutation_rate	parent_selection_kwarg	survival_selection_kwarg
1	10000	500	0.001	3	3
2	10000	500	0.001	3	3
3	99000	5000	0.001	5	5
4	15000	100	0.001	5	5
5	15000	100	0.001	5	10
6	15000	100	0.001	5	1
7	15000	100	0.001	10	1

## Statistical Analysis

```
Number of samples: 30
data/1c/green/best_per_run.txt mean: 367.8783854166667
data/1c/green/best_per_run.txt stdv: 2.9123207845965626
data/1b/easy_green/best_per_run.txt mean: 26.933333333333334
data/1b/easy_green/best_per_run.txt stdv: 1.6801751413906607
p-value: 2.588852977635439e-90
```