

Overall Performance Comparison

Combination	Avg Fitness	Avg Time (s)	Avg Gap to BKS (%)
Baseline	1442.3	35.77	2.36%
LS_Set2_Ranking	1459.8	38.21	3.70%
LS_Set5_Ranking	1509.8	51.99	7.75%
No_LocalSearch	1511.7	39.70	7.98%
No_Mutation	1587.7	28.00	7.02%
LS_Set5_OneShot	1634.6	50.91	14.76%
LS_Set2_OneShot	2118.0	47.45	40.72%