

- 1 General description of the framework and algorithms
- 2 Results
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Table 1: Computed values using the greedy algorithm, nearest neighbour strategy

Problem	Stamina	Time	Stam k=10	Time
sastp10	36.9904	0.000317	43.2979	0.000118
sastp20	67.2554	0.000634	67.2554	0.000188
sastp50	161.933	0.002232	172.778	0.000422
sastp100	374.093	0.001538	375.028	0.000964
sastp200	793.968	0.007724	796.596	0.000937
sastp500	2014.63	0.043226	2029.89	0.005059
sastp1000	4264.6	0.43013	4300.32	0.041532

Table 2: Computed values using the greedy algorithm, insertion neighbour strategy

Problem	Stamina	Time	Stam k=10	Time
sastp10	36.5321	0.000156	43.2979	0.000116
sastp20	68.8606	0.000246	67.2554	0.000185
sastp50	171.584	0.000454	172.778	0.000631
sastp100	412.13	0.00029	375.028	0.000936
sastp200	827.737	0.000566	796.596	0.00097
sastp500	2376.64	0.001372	2029.89	0.005208
sastp1000	4672.09	0.002952	4300.32	0.041532

Table 3: Computed values using the local search algorithm, using SpotOneOpt

Problem	St,Next	Time	St,Best	Time	Rand,k5	dev	Rand,k10	dev
sastp10	43.2979	0.000112	43.2979	0.000349	37.20065	0	43.2979	0
sastp20	67.2554	0.002365	67.2554	0.002294	67.2554	0	67.2554	0
sastp50	178.564	0.013751	175.745	0.0127	161.933	0	172.778	0
sastp100	384.874	0.02014	402.286	0.030447	374.093	0	375.88233	1.142008
sastp200	857.64	0.078691	833.037	0.101778	793.968	0	796.596	0
sastp500	2213.13	0.655143	2200.94	1.55123	2016.26933	1.813267	2020.42533	0.715993476
sastp1000	4551.06	4.05179	4495.62	5.62041	4265.61733	1.596358	4300.358	0.115948859

Table 4: Computed values using the local search algorithm, using Edge Two Opt

Problem	St,Next	Time	St,Best	Time	Rand,k5	dev	Rand,k10	dev
sastp10	43.2979	0.000242	43.2979	0.000241	36.9904	0	43.2979	0
sastp20	67.9204	0.000463	70.4877	0.000687	67.9204	0	67.92	0
sastp50	172.784	0.001767	172.784	0.001669	162.585	0	172.784	0
sastp100	377.885	0.008368	378.099	0.008394	379.2828	0.40659	377.885	0
sastp200	802.199	0.011204	803.431	0.015102	799.1285	0.0147	802.181833	0.22553
sastp500	2041.32	0.0768	2040.74	0.132284	2026.952667	0.81686	2041.67633	0.70401059
sastp1000	4311.8	0.322069	4313.89	0.862252	4281.740667	1.11036	4313.327667	1.2200499

Table 5: Computed values using the local search algorithm, using Method Two Opt

Problem	St,Next	Time	Rand,k5	dev	Rand,k10	dev
sastp10	43.2979	0.000809	36.9904	0	43.2979	0
sastp20	69.2554	0.001723	69.2554	0	69.2554	0
sastp50	176.778	0.009348	162.933	0	177.778	0
sastp100	378.028	0.018937	375.693	0.813676	376.028	0
sastp200	800.596	0.055929	794.968	0	798.596	0
sastp500	2039.89	0.319632	2015.196669	0.504	2030.35666	0.507416
sastp1000	4323.32	1.52362	4265.4	0.8469	4300.38666	0.253708132