

No. of points	Cases	Route Length (meters)			Computation Time (seconds)			Field Time (seconds)			Energy Expenditure (units)		
		Behavioral	Graph search	Baseline	Behavioral	Graph search	Baseline	Behavioral	Graph search	Baseline	Behavioral	Graph search	Baseline
		Approach	Approach	(Lawnmover)	Approach	Approach	(Lawnmover)	Approach	Approach	(Lawnmover)	Approach	Approach	(Lawnmover)
250	(case 1)	4652.945	2288.31	9896.291776	0.858553886	4.435761562	0.601133347	6282.400938	1741.022767	13910.92722	5783.34459	3632.750509	13593.64178
	(case 2)	3769.005	2083.73	8253.784905	0.775789261	4.341929366	0.587094307	5125.168209	1576.077269	11632.10613	4734.555207	3447.362011	11409.4849
	(case 3)	3985.978	2092.1	7564.831982	0.788151503	4.599930199	0.590665579	5413.822753	1572.229368	10819.97748	5022.177564	3613.97386	10838.28198
	(case 4)	4620.695	2061.77	8564.113438	0.825942278	4.318975639	0.613069534	6216.01818	1546.992294	12186.8293	5656.894864	3598.218862	12120.16344
500	(case 1)	7027.363	3710.8	17071.30153	1.842700005	8.956043648	0.758333683	9520.140257	2806.494905	23468.43942	8793.612844	6143.002153	22181.65153
	(case 2)	6788.619	3248.08	11616.47502	1.696401358	8.61580853	0.695278645	9151.211911	2442.859621	16679.34377	8366.468569	5582.217349	16797.47502
	(case 3)	6336.544	3304.11	12034.99812	1.940592766	8.740781215	0.669975042	8589.717644	2469.994472	16947.37264	7914.394434	5903.641572	16603.69812
	(case 4)	7250.2	3215.45	11852.70452	1.609200478	9.350487668	0.683098078	9761.624722	2396.719655	16945.19315	8898.700417	5850.162864	16963.05452
2000	(case 1)	16189.858	655.67	28265.5625	9.04812026	40.44517501	1.046939611	21751.64778	6456.38521	37873.39062	19816.55759	15678.01424	34365.0125
	(case 2)	16650.701	7850.07	25402.09418	8.591621161	36.87743123	1.091753483	22226.37676	5819.37001	34519.74273	20041.90077	14760.4663	32043.19418
	(case 3)	13728.721	7257.3	21144.39368	7.65038085	34.6019571	0.995180845	18446.73883	5373.163304	29256.4921	16813.77138	13747.4777	27926.79368
	(case 4)	15547.469	7828.97	23561.53673	8.155776024	36.02791135	1.016644001	20839.67217	5806.381665	32091.48341	18820.91894	14680.92948	29896.48673
4000	(case 1)	24191.259	13033.92	31436.1282	24.18394971	80.41146149	1.38740325	32301.69933	9654.118538	41846.41025	29136.75914	24629.20129	37559.1282
	(case 2)	22356.011	11583.92	28932.5249	20.85941482	71.84240132	1.366778374	29871.08874	8577.056512	39050.53112	27018.91147	21935.23424	35856.2249
	(case 3)	20620.054	10643.04	26886.435	18.23963118	66.78159156	1.275558949	27659.4681	7849.986297	36257.41874	25141.65448	20609.80285	33244.935
	(case 4)	22222.31	11076.75	28340.7056	19.22349644	68.28330584	1.293629885	29701.58872	8162.427239	38310.757	26932.31049	21561.45279	35264.4056
6000	(case 1)	29777.382	16816.83	33040.58685	45.23673987	286.3729786	1.66720438	39851.80224	12440.13841	43851.98356	35947.48179	32016.74242	39163.58685
	(case 2)	26039.854	14100.83	30366.86311	33.23154497	246.6400248	1.570202589	34821.16749	10412.05816	40500.01639	31597.65399	27130.02134	36466.31311
	(case 3)	26223.169	13599	31659.26981	30.80121374	237.7119713	1.675028086	35035.83592	9984.599781	42135.14976	31639.66906	27018.06546	37805.81981
	(case 4)	26570.832	14609.54	32148.11261	32.34737062	244.7778758	1.63052392	35496.36509	10738.4984	43227.01576	31893.13207	28846.61331	39448.61261
10000	(case 1)	38128.675	21623.33	35598.33764	122.6808474	490.2239986	2.21295166	50681.89334	15947.4934	47049.17205	45382.07468	41890.90133	41721.33764
	(case 2)	34118.252	18820.21	36001.3554	74.37674475	411.4919939	2.168357611	45367.87779	13852.97698	48288.88175	40641.60223	36868.19144	43890.6054
	(case 3)	31650.696	17269.61	33119.52466	65.54510021	376.7545004	2.029067278	42291.24514	12686.21149	44245.03083	38197.59611	34211.77633	39949.02466
	(case 4)	32154.031	17527.4	34293.53829	62.76576424	375.6292722	2.238646507	42801.16425	12876.94731	45859.73536	38606.73138	34702.42134	41476.28829