TFB2023: ALGORITHM AND DATA STRUCTURE

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TIMING TEST REPORT

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Machine 1

CPU: AMD RYZEN 9 5900HX
RAM: 16GB
GPU: NVIDIA GFORCE RTX 3050
Runtime:

NumDrones	AverageTime	BubbleSortTime	MinTime	MaxTime
100	0.001	0.066	0	0.001
200	0.002	0.298	0.002	0.002
300	0.003	0.596	0.002	0.003
400	0.004	1.049	0.003	0.005
500	0.006	1.692	0.003	0.006
600	0.007	2.318	0.004	0.007
700	0.007	3.21	0.005	0.008
800	0.009	4.165	0.007	0.01
900	0.011	5.276	0.007	0.011

Machine 2

CPU: 11th Gen Intel(R) Core (TM) i7-1195G7
RAM: 16GB
GPU: NVIDIA GFORCE MX450
Runtime:

NumDrones	AverageTime	BubbleSortTime	MinTime	MaxTime
100	0	0.033	0.001	0.001
200	0.001	0.12	0	0.001
300	0	0.268	0.001	0.001
400	0.001	0.52	0.003	0.004
500	0.006	1.599	0.003	0.004
600	0.004	1.552	0.002	0.004
700	0.002	1.423	0.002	0.003
800	0.002	2.22	0.003	0.004
900	0.003	2.266	0.002	0.004

Machine 3

CPU: 12th Gen Intel(R) Core (TM) i7-1255U
RAM: 32GB
GPU: NVIDIA GFORCE MX550
Runtime:

NumDrones	AverageTime	BubbleSortTime	MinTime	MaxTime
100	0	0.024	0	0
200	0	0.088	0	0.001
300	0.001	0.208	0	0.001
400	0.002	0.376	0.001	0.001
500	0.002	0.53	0	0.002
600	0.002	0.732	0.001	0.002
700	0.003	0.97	0.001	0.002
800	0.002	1.256	0.002	0.004
900	0.003	1.643	0.004	0.005