

Runtime Report

Names:

1. Veebhaker Kalai Selvan 22007032
2. Siti Nur Fatihah bt Imran 22007814
3. Nurul Afiqah bt Rosli 22007301
4. Muhammad Khairy Anwar bin Mohd Fariz 22006361
5. Mohd Izzudin bin Abdul Rahim 22003651

Device used:

Processor AMD Ryzen 7 7730U with Radeon Graphics 2.00 GHz

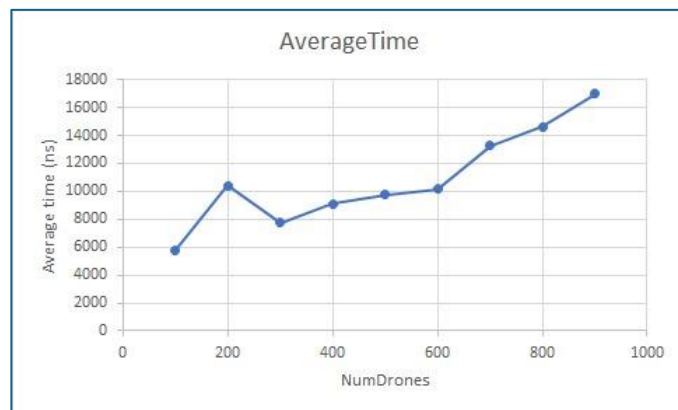
Installed RAM 16.0 GB (15.4 GB usable)

System type 64-bit operating system, x64-based processor

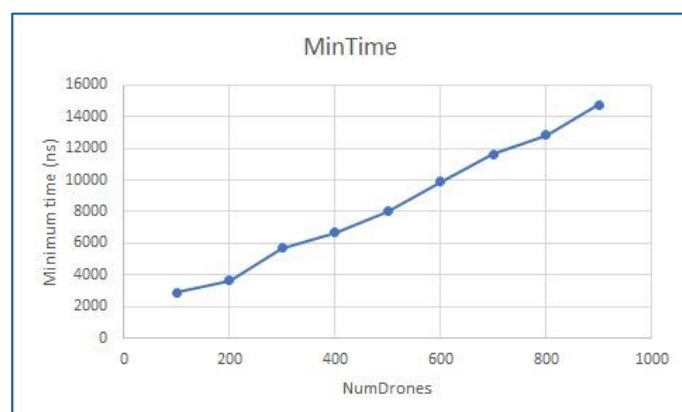
Plotted Graph :

Below are the average time taken of 100 runs of each function we have completed. Starting with average(), min(), max(), print() and finally bubblesort(). The time taken is in nanosecond.

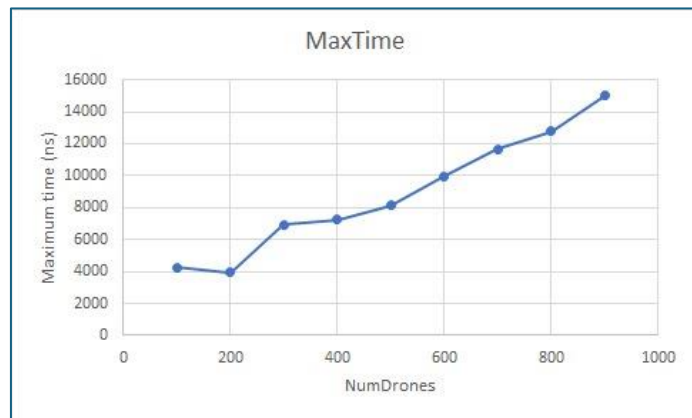
NumDrones	AverageTime
100	5789
200	10404
300	7757
400	9104
500	9770
600	10186
700	13259
800	14639.999
900	16968



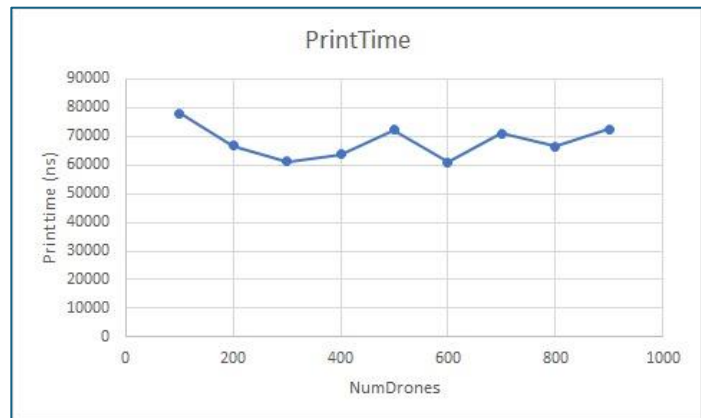
NumDrones	MinTime
100	2890
200	3668
300	5683
400	6696
500	8008
600	9894
700	11651
800	12831
900	14739



NumDrones	MaxTime
100	4240
200	3950.9998
300	6931
400	7248.0005
500	8154
600	9976
700	11642
800	12794
900	15012



NumDrones	PrintTime
100	78114
200	66874
300	61184.996
400	63736
500	72243
600	61064
700	71024
800	66423
900	72577



NumDrones	BubbleSortTime
100	250889.98
200	939508
300	2035459
400	3301477
500	5513574
600	8393957
700	10525095
800	14665230
900	18070272

