

DRONE SWARM REPORT

TEB1113 – Algorithm and Data Structure
Sept. 2024

Submitted by

24000182	NURUL HANIIZATI BINTI HAZLI
24000574	SARA EUDORA BINTI SAID
22006373	DANIA ADRIANA BINTI MOHD FAIZAL
24000918	ZULAIKHA BINTI MOHD AZHAR
24000227	NUR FATIAH BINTI MOHD NOOR

Submitted to

Dr M Nordin B Zakaria

CIS Department
Universiti Teknologi PETRONAS, Malaysia

Timing Test On 3 Machine

1. Model 1 :

Device name: MacBook Air

Processor: Apple M1 (8 cores: 4 performance, 4 efficiency)

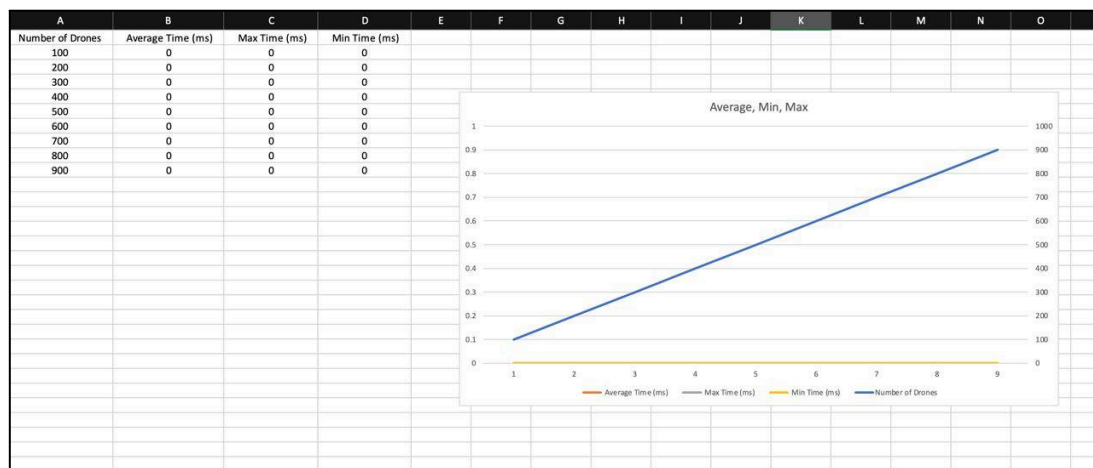
Installed RAM: 8 GB

Device ID: Not Available

Product ID: Not Available

System type: macOS (System Firmware Version: 10151.121.1, OS Loader Version: 10151.121.1)

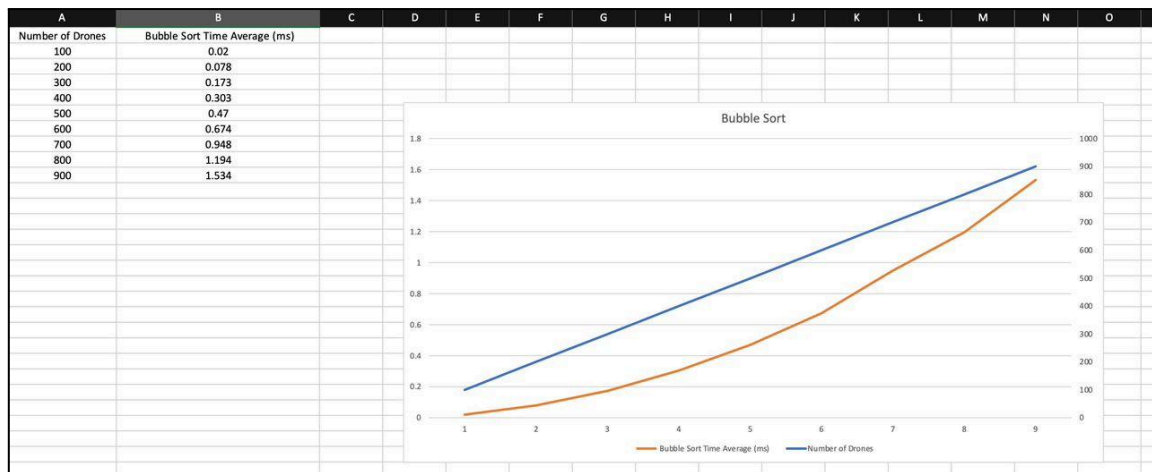
Pen and touch: Not applicable



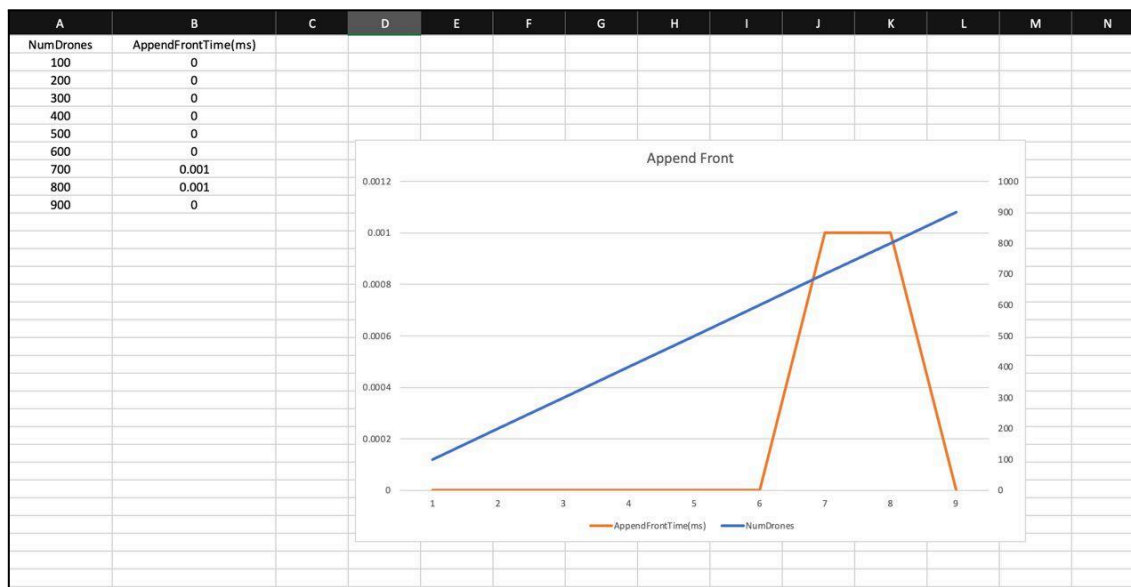
Result for Average(), Max(), Min()



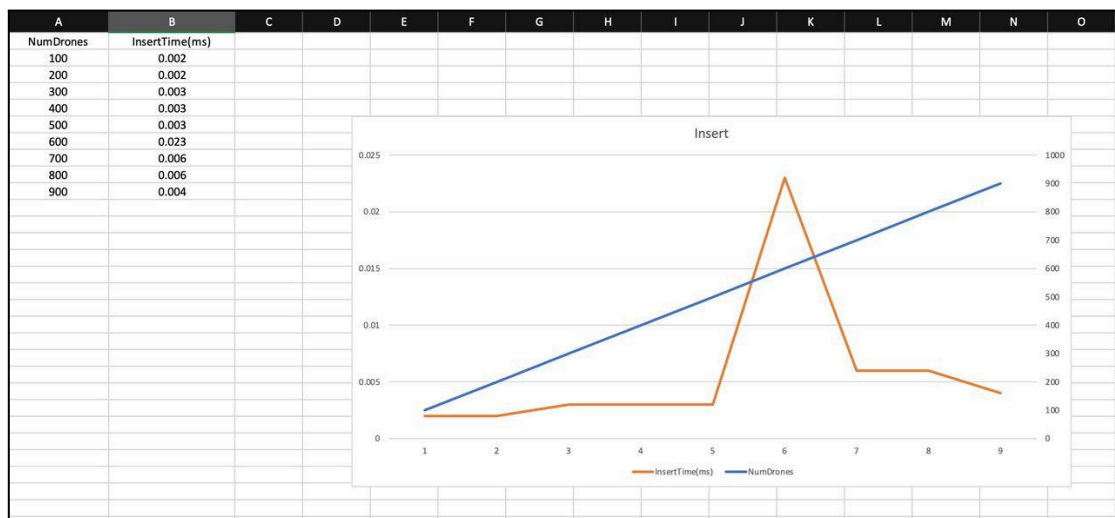
Result of Average Time for Insertionsort()



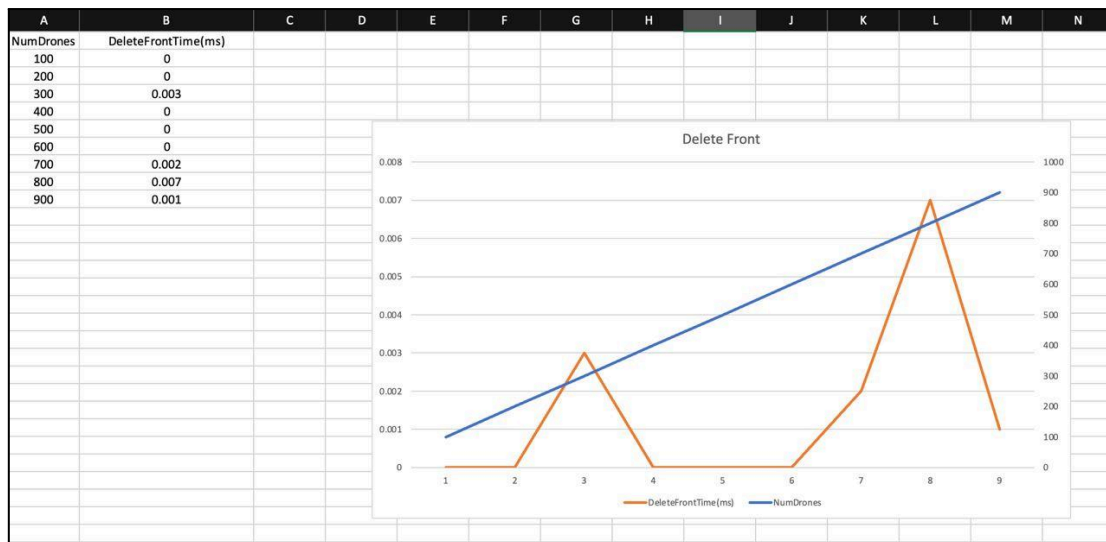
Result of Average Time for BubbleSort()



Result of Average Time for AppendFront()



Result of Average Time for Insert(Drone val, int index)



Result of Average Time for DeleteFront()

2. Model 2:

Device name: Zulaikha

Processor: AMD Ryzen 5 5500U with Radeon Graphics 2.10 GHz

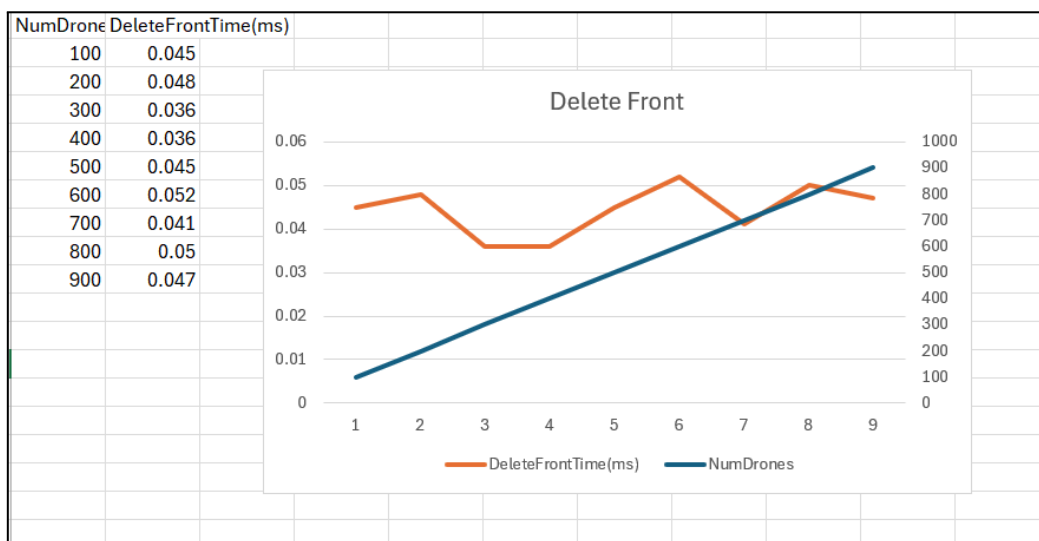
Installed RAM: 12.0 GB (11.3 GB usable)

Device ID: 63B92341-33DE-4DD6-9034-7DDB926B28B8

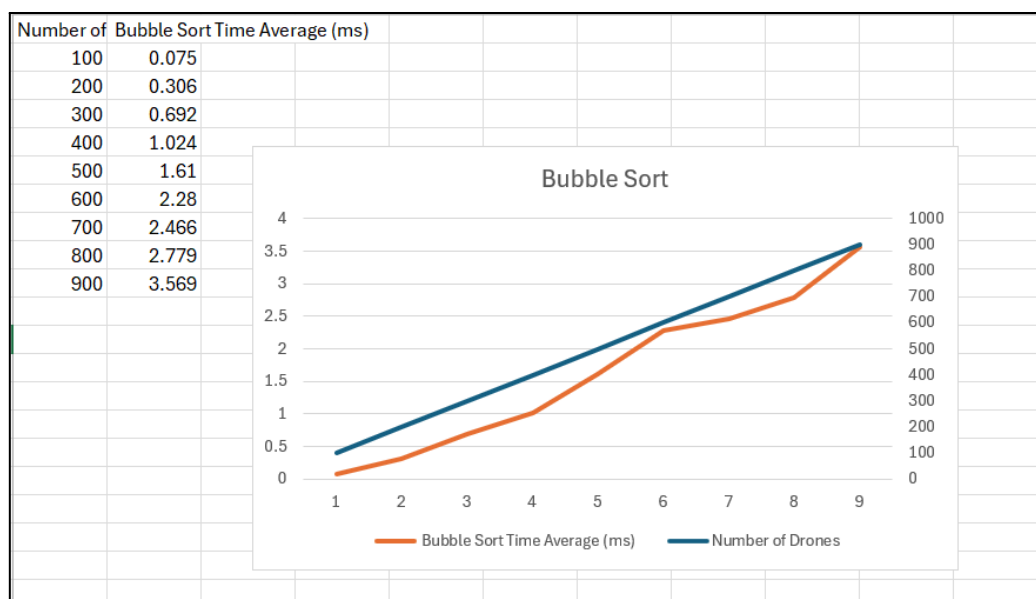
Product ID: 00356-24562-60827-AAOEM

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

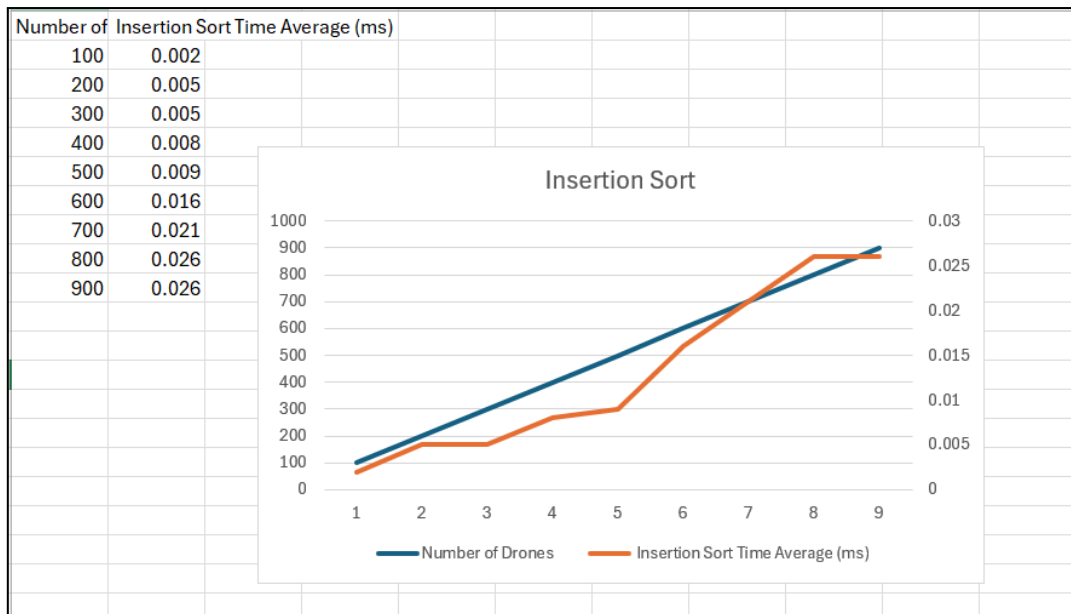
Pen and touch: No pen or touch input is available for this display



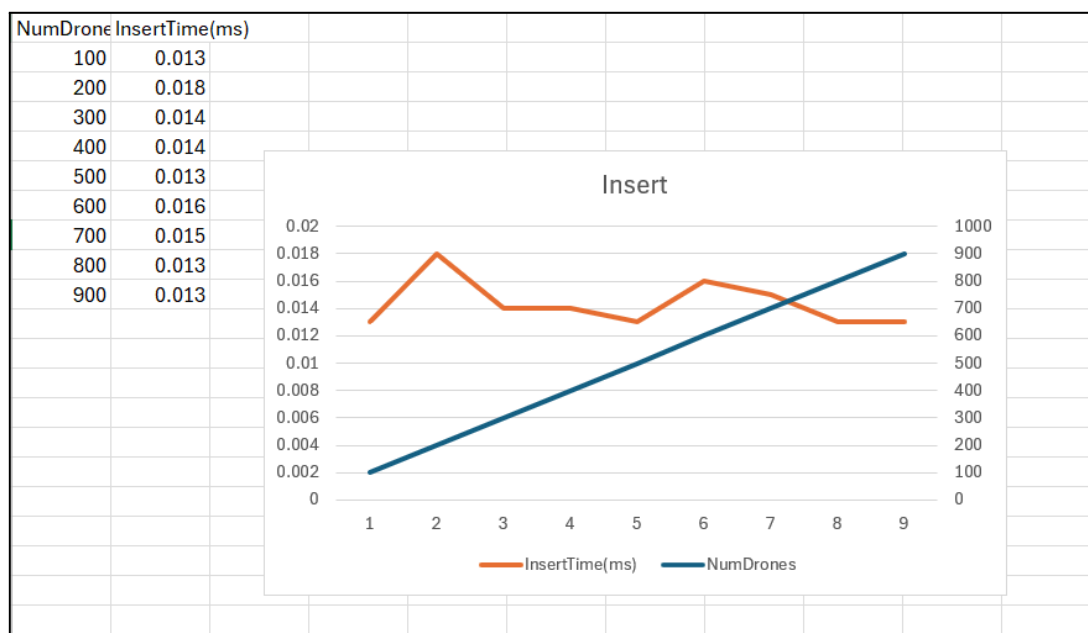
Results for deleteFront()



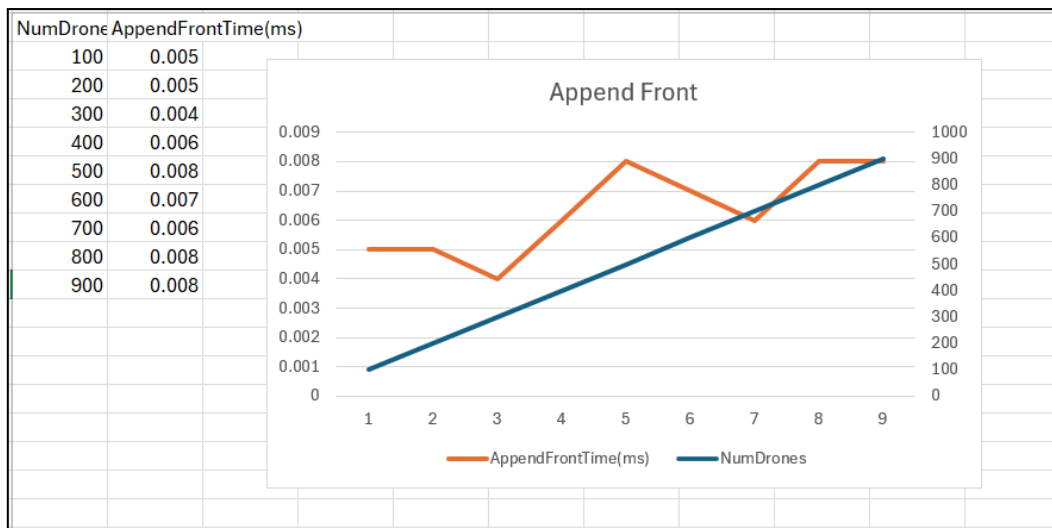
Results for bubbleSort()



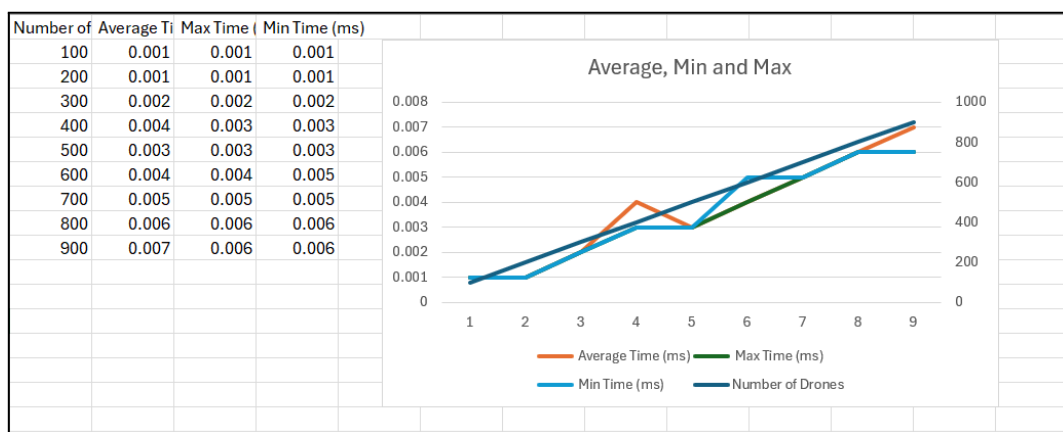
Results for insertionSort()



Results for insert()



Results for appendFront()



Results for average(), min(), max()

3. Model 3:

Device name : DESKTOP-7PLB3UO

Processor : Intel(R) Celeron(R) N4020 CPU @ 1.10GHz 1.10 GHz

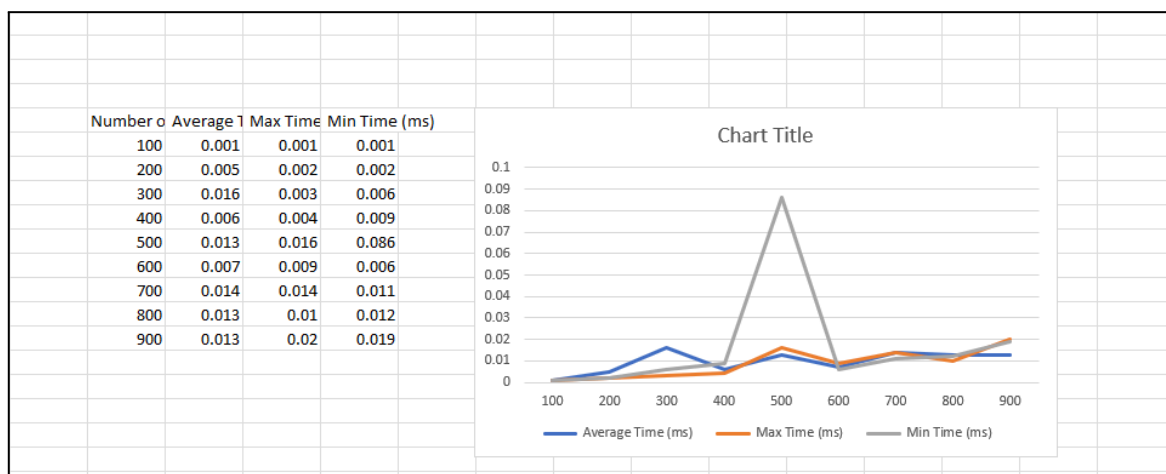
Installed RAM: 8.00 GB (7.83 GB usable)

Device ID : E3B4C069-016B-45AC-9A14-BB23FC6ED5FD

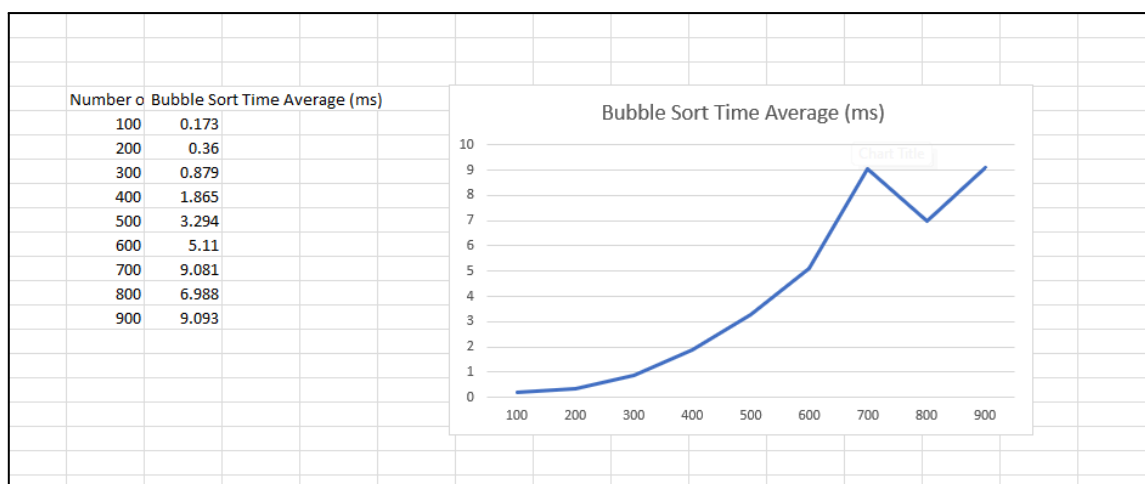
Product ID : 00327-60000-00000-AA470

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

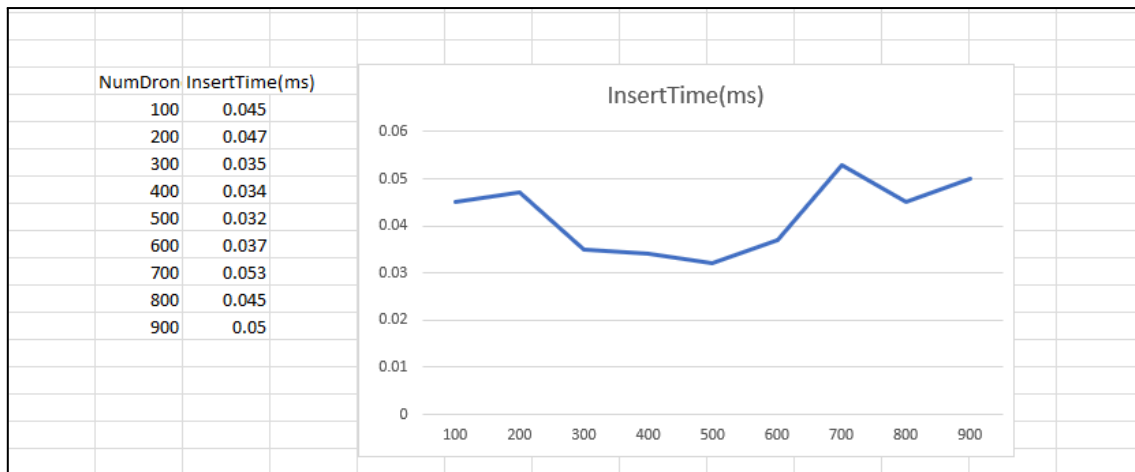
Pen and touch : No pen or touch input is available for this display



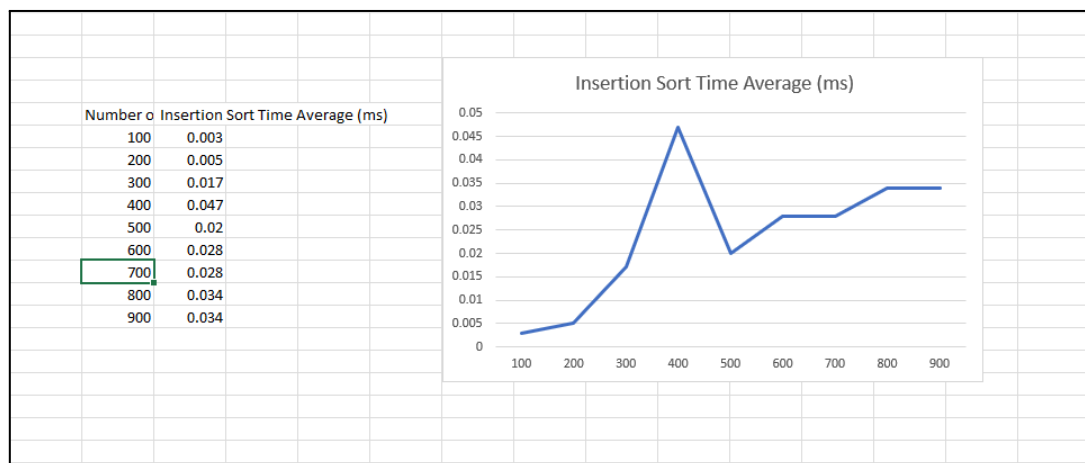
Results Time Taken for average(), min(), max()



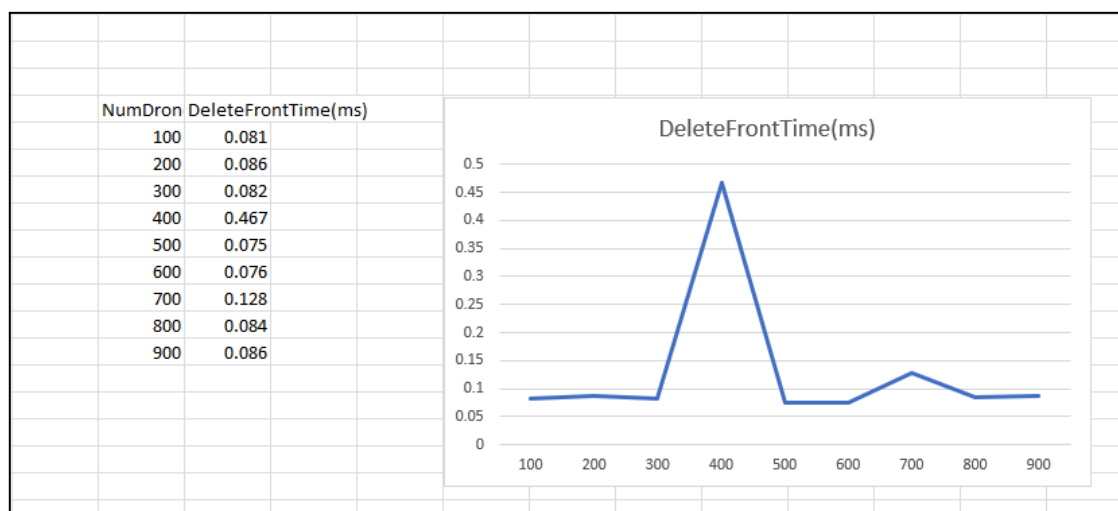
Results for bubbleSort()



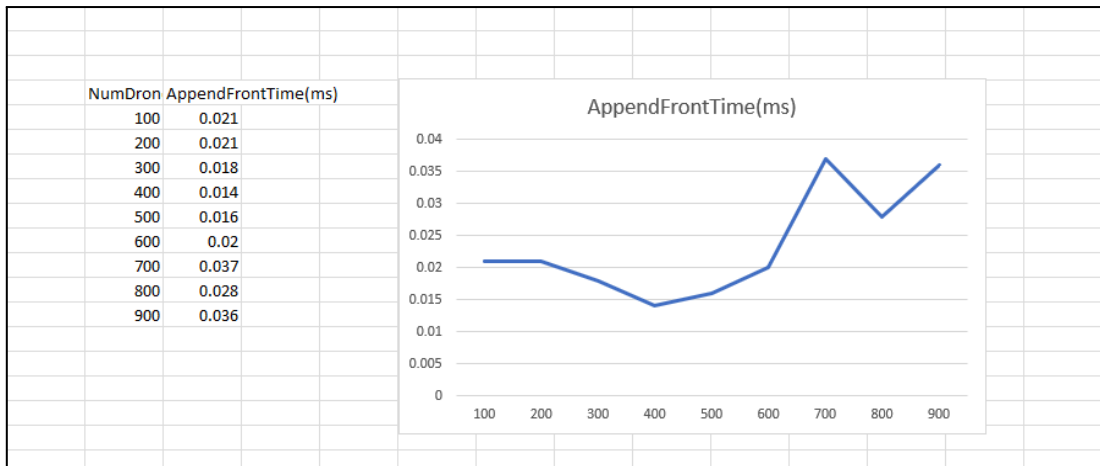
Results Time Taken for insert()



Results Time Taken for insertionSort()



Results Time Taken for deleteFront()



Results Time Taken for appendFront()