```
"/Users/brady/Library/Mobile Documents/com~apple~CloudDocs/Github/
Algorithms And Discrete Structures/module 5/project 5/.venv/bin/python" /Users/brady/
Library/Mobile Documents/com~apple~CloudDocs/Github/
Algorithms And Discrete Structures/module 5/project 5/BubbleSort.pv
++++++++ Array-1 ++++++++
Iteration Kth = 1
[44, 63, 17, 20, 77, 84, 6, 39, 52, 99]
Comparisons: 9
Swaps:6
Iteration Kth = 2
[44, 17, 20, 63, 77, 6, 39, 52, 84, 99]
Comparisons: 8
Swaps:5
Iteration Kth = 3
[17, 20, 44, 63, 6, 39, 52, 77, 84, 99]
Comparisons: 7
Swaps:5
Iteration Kth = 4
[17, 20, 44, 6, 39, 52, 63, 77, 84, 99]
Comparisons: 6
Swaps:3
Iteration Kth = 5
[17, 20, 6, 39, 44, 52, 63, 77, 84, 99]
Comparisons: 5
Swaps:2
Iteration Kth = 6
[17, 6, 20, 39, 44, 52, 63, 77, 84, 99]
Comparisons: 4
Swaps:1
Iteration Kth = 7
[6, 17, 20, 39, 44, 52, 63, 77, 84, 99]
Comparisons: 3
Swaps:1
Returned early on Iteration Kth = 8
Array: [6, 17, 20, 39, 44, 52, 63, 77, 84, 99]
Total comparisons: 44
Total swaps: 23
++++++++ Array-2 ++++++++
Iteration Kth = 1
[52, 6, 39, 20, 77, 17, 84, 44, 63, 99]
Comparisons: 9
Swaps:7
Iteration Kth = 2
[6, 39, 20, 52, 17, 77, 44, 63, 84, 99]
Comparisons: 8
Swaps:6
Iteration Kth = 3
[6, 20, 39, 17, 52, 44, 63, 77, 84, 99]
Comparisons: 7
Swaps:4
Iteration Kth = 4
[6, 20, 17, 39, 44, 52, 63, 77, 84, 99]
```

Comparisons: 6 Swaps:2

Iteration Kth = 5

[6, 17, 20, 39, 44, 52, 63, 77, 84, 99]

Comparisons: 5

Swaps:1

Returned early on Iteration Kth = 6

Array: [6, 17, 20, 39, 44, 52, 63, 77, 84, 99]

Total comparisons: 39

Total swaps: 20

++++++++ Array-3 ++++++++ _____

Returned early on Iteration Kth = 1

Array: [6, 17, 20, 39, 44, 52, 63, 77, 84, 99] Total comparisons: 9

Total swaps: 0

Process finished with exit code 0