Problem 1. DPV 5.6

Solution:
  • Proof:

  • Collaboration (if any):
Problem 2

Solution:

- Algorithm:

- Pseudocode:
• Proof of Correctness:

• Time Complexity:

• Collaboration (if any):
Problem 3

Solution:
  • Algorithm:

  • Pseudocode:
• Proof of Correctness:

• Time Complexity:

• Collaboration (if any):
Problem 4

Solution:

- Algorithm:

- Pseudocode:
• Proof of Correctness:

• Time Complexity:

• Collaboration (if any):
Problem 5 (Extra Credit)

Solution:

- Algorithm:

- Pseudocode:
• Proof of Correctness:

• Time Complexity:

• Collaboration (if any):