Atividade 1 - Busca, Ordenação e Árvores

Alunos: Antonni Guedes Alves de Moraes e Gedson Menezes Souza

1. a) Lista: 33, 40, 56, 58, 59, 72, 77, 92, 96, 99 Chave: 92

b) Lista: 9, 22, 37, 39, 52, 58, 61, 63, 66, 69, 76, 82, 88, 89 Chave: 9

c) Lista: 1, 2, 16, 17, 19, 20, 35, 42, 53, 57, 58, 59, 64, 67, 75, 82, 93, 94, 96, 99 Chave: 83

IMPLEMENTAÇÕES NO ARQUIVO .c

- 2. a) Ordem decrescente.
 - b) O elemento é o primeiro da lista.
 - c) O elemento é menor que o último item da lista.
- 3. https://resulta.do/20cbf4a448fa

Lista inicial: 13, 86, 37, 61, 82, 63, 77, 53

Bubble sort:

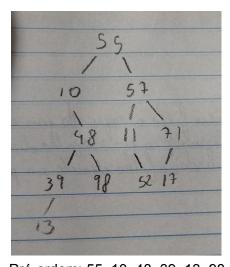
13, **86**, 37, 61, 82, 63, 77, 53 13, **86, 37**, 61, 82, 63, 77, 53 13, 37, **86, 61**, 82, 63, 77, 53 13, 37, 61, **86, 82**, 63, 77, 53 13, 37, 61, 82, **86, 63**, 77, 53 13, 37, 61, 82, 63, **86, 77**, 53 13, 37, 61, 82, 63, 77, **86, 53** 13, 37, 61, 82, 63, 77, 53, 86 **13, 37**, 61, 82, 63, 77, 53, 86 13, 37, 61, 82, 63, 77, 53, 86 13, 37, **61, 82,** 63, 77, 53, 86 13, 37, 61, **82, 63**, 77, 53, 86 13, 37, 61, 63, **82, 77**, 53, 86 13, 37, 61, 63, 77, **82, 53**, 86

13, 37, 61, 63, 77, 53, **82, 86 13, 37**, 61, 63, 77, 53, 82, 86 13, **37, 61**, 63, 77, 53, 82, 86 13, 37, **61, 63,** 77, 53, 82, 86 13, 37, 61, **63, 77,** 53, 82, 86 13, 37, 61, 63, **77, 53,** 82, 86 13, 37, 61, 63, 53, **77, 82**, 86 **13**, **37**, 61, 63, 53, 77, 82, 86 13, **37, 61,** 63, 53, 77, 82, 86 13, 37, **61, 63**, 53, 77, 82, 86 13, 37, 61, **63, 53,** 77, 82, 86 13, 37, 61, 53, **63, 77,** 82, 86 **13, 37,** 61, 53, 63, 77, 82, 86 13, **37, 61,** 53, 63, 77, 82, 86 13, 37, **61, 53**, 63, 77, 82, 86 13, 37, 53, 61, 63, 77, 82, 86 **13**, **37**, 53, 61, 63, 77, 82, 86 13, **37, 53,** 61, 63, 77, 82, 86 13, 37, **53, 61,** 63, 77, 82, 86 **13, 37,** 53, 61, 63, 77, 82, 86 13, **37, 53,** 61, 63, 77, 82, 86 **13**, **37**, 53, 61, 63, 77, 82, 86

Selection Sort:

13, 86, 37, 61, 82, 63, 77, 53 13, **86**, **37**, 61, 82, 63, 77, **53** 13, 37, **86**, 61, 82, 63, 77, **53** 13, 37, 53, **61**, 82, 63, 77, 86 13, 37, 53, 61, 63, **82**, **77**, 86 13, 37, 53, 61, 63, **77**, **86** 13, 37, 53, 61, 63, 77, **82**, 86

4.



Pré-ordem: 55, 10, 48, 39, 13, 98, 57, 11, 52, 71, 17 In-ordem: 10, 13, 39, 48, 98, 55, 11, 52, 57, 17, 71 Pós-ordem: 13, 39, 98, 48, 10, 52, 11, 17, 71, 57, 55