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- Recursion
 - Sedgewick 5.1, 5.2
 - Deitel 5.14, 5.15
- Solving recurrence equations
 - Cormen 4.2
- Divide and conquer
 - Sedgewick 5.2
 - Cormen 1.3.1



- Mergesort and Bottom-up mergesort
 - Sedgewick 8.3 e 8.5
 - Cormen 1.3
- Quicksort
 - Sedgewick 7.1 e 7.2
 - Cormen 8.1, 8.2



- Karatsuba's algorithm
 - Crescenzi, Gambosi, Grossi 2.5.2
- Laplace's algorithm
 - Cormen 31.1
- Function calling
 - Deitel 5.7
- Dynamic programming
 - Cormen 16



- Backtracking
 - Bertossi 16
- Permutations and subsets
 - Bertossi 16.3