Assignment2
279/377
2022 winter

1. Use divide-and-conquer technique to calculate sum of an integer array.
    Use two different ways to define subproblems. For each way:

    a. write the pseudocode of the algorithm
    b. give the running time recurrence (recursive equation)
    c. calculate the running time in Θ notation

2. Use divide-and-conquer technique to search a number in the sorted list of n numbers.

    a. Write the pseudocode of the algorithm.
    b. Write the recursive running time equation (recurrence)
    c. Guess the result of this recurrence