

ACM SUMMER CHALLENGE 2020

RECURSION AND BASIC DYNAMIC PROGRAMMING

Recursion and Backtracking Tutorial

- <https://www.hackerearth.com/practice/basic-programming/recursion/recursion-and-backtracking/tutorial/>
- <https://www.topcoder.com/community/competitive-programming/tutorials/an-introduction-to-recursion-part-1/>
- <https://www.topcoder.com/community/competitive-programming/tutorials/an-introduction-to-recursion-part-2/>
- https://www.comp.nus.edu.sg/~stevenha/cs1020e/tutorials/T7_ans.pdf

Recursion and Backtracking Practice Problem

- <https://www.geeksforgeeks.org/backtracking-algorithms/>
- <https://www.hackerearth.com/practice/basic-programming/recursion/recursion-and-backtracking/practice-problems/algorithm/n-queensrecursion-tutorial/>

Basic Dynamic Programming

- <https://www.hackerearth.com/practice/algorithms/dynamic-programming/introduction-to-dynamic-programming-1/tutorial/> (one of the amazing article on DP)
- [Tabulation vs memoization](#)
- <https://www.geeksforgeeks.org/optimal-substructure-property-in-dynamic-programming-dp-2/>
- <https://www.geeksforgeeks.org/overlapping-subproblems-property-in-dynamic-programming-dp-1/>

Basic DP Practice Problem

- <https://www.geeksforgeeks.org/coin-change-dp-7/>
- https://atcoder.jp/contests/dp/tasks/dp_a
- https://atcoder.jp/contests/dp/tasks/dp_b
- <https://practice.geeksforgeeks.org/problems/0-1-knapsack-problem/0>
- <https://www.geeksforgeeks.org/dynamic-programming/#basicProblems>