Tik Tok

1. Waiting in line in a queue in a restaurant. What is the minimum number of move-to-back operations needed to that the queue is sorted by ascending height?

(the main() method was fucked up, had to change it. When the input parsing is incorrect in the main, FIX IT YOURSELF USING .strip().split() and PARSE IT YOURSELF !!!!!!!)

1. Variation of house robber. What is the maximum amount of candy that can be taken from houses, such that no two consecutive houses are taken from? (Incorrectly put dp\_arr[0] = nums[0]; dp\_arr[1] = nums[1] WHEN IT SHOULD HAVE BEEN dp\_arr[0] = nums[0]; dp\_arr[1] = max(nums[0], nums[1]);
2. Optimization problem: You are given an advertising budget (N), and the cost of various types of advertisements, and the respective number of users the advertisement reaches (given as a 2D array of length M). Each type of advertisement can only be used once. What is the maximum number of people reached with the budget? (Time complexity must be O(N \* M), not O(2 ^ M) brute force solution)