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Chapter 1

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1.1 Longest Palindromic Substring

I solved this using dynamic programming.
Basic solution is that:

1. If str[i]==str[j], check whether str[i+1,j-1] is also palindrome.
2. If not, the longest palindrome could be in str[i+1,j] or str[i,j+1].

If bottom-up, each cell dp[i][j] indicates whether str[i,j] is a palindrome. Deciding whether str[i,j] is palindrome needs deciding whether str[i+1,j+1] is palindrome first.

1.2 Container With most Water

Given an array of height.
Find min(height[i],height[j])*(j-i) such that is maximum.