def longest\_palindromic\_substring(s):

n = len(s)

if n == 0:

return "”

dp = [[False] \* n for \_ in range(n)]

start, max\_length = 0, 1

for i in range(n):

dp[i][i] = True

for i in range(n - 1):

if s[i] == s[i + 1]:

dp[i][i + 1] = True

start = i

max\_length = 2

for length in range(3, n + 1):

for i in range(n - length + 1):

j = i + length - 1 # Ending index

if s[i] == s[j] and dp[i + 1][j - 1]:

dp[i][j] = True

start = i

max\_length = length

return s[start:start + max\_length]

print(longest\_palindromic\_substring("babad")) # Output: "bab" or "aba"

print(longest\_palindromic\_substring("cbbd")) # Output: "bb"