s1 = "ATTCCGGAC" and s2 = "TTACGG"

We wish to find the longest common substring between these two strings.

- The longest common substring is of length 4: "TTGG"
- ☐ The longest common substring is of length 5: "ATCGG"
- The longest common substring is of length 5: "TTCGG"

✓ Correct

Correct. The only longer possibility is "TTACG" which is not a substring of s1

Suppose we have committed to matching the second character "T" in s1 to the first character s2, the remaining decision is to optimally find the LCS for the suffix: **TCCGGAC** and **TACGG**

✓ CorrectCorrect

??1=0

⊘ Correct

??2 = 1

✓ Correct

 $2.73 = \max(0, 0) = 0$

??3 = 1

Correct
Correct

??4 =max(??3, ??2)

Correct Correct

??4 = ??1 + 1

??6 = ??3 + 1

??7 = ??4 + 1

⊘ Correct

Correct: the characters corr. to the cell labeled ??7 are the same.

??7 = 2