Transform Magic

Rules:

1. Plagiarism is forbidden.
2. Write your program with C++.

Problem Definition:

- ✓ 2 strings will be provided (source & target).
- ✓ You need to return the minimum number of operations you need to transform source to target.
- ✓ You can only use the following operations:
  - ■ Insert any character into source (ex: hor → hsor)
  - ■ Replace any character with another character (ex: hor → hos)
  - ■ Delete any character from source (ex: hor → or)
- ✓ You need to use "Dynamic Programming Concept" in your code.

I/O Format:

Example 1:

Input:

The first string is the source.

The second string is the target.

Output:

3

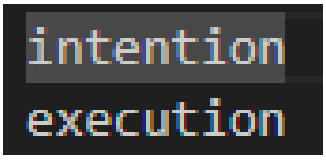
Explanation:

- ✧ First, horse → rorse (replace “h” with “r”)
- ✧ Second, rorse → rose (delete “r”)
- ✧ Third, rose → ros (delete “e”)

So, you should output : 3

Example 2:

Input:



Output:

5

Explanation:

- ✧ intention → entention
- ✧ entention → etention
- ✧ etention → exention
- ✧ exention → exection
- ✧ exection → execution

So you should output: 5

Constraints:

- ✓ $1 \leq$ source.length, target.length ≤ 500