



Ad



Dynamic Programming

↓
Video-62



Note :- This playlist is only for explanation of Qns & solutions.

See my DP Concepts & Qns playlist for understanding DP from scratch...



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Leetcode
-2707

~~Medium~~

→ Easy

Simple Recursion + Memoization

Extra Characters in a String

Company :- { I will update soon in the }
Description

2707. Extra Characters in a String

Medium 524 33 Add to List Share

You are given a **0-indexed** string `s` and a dictionary of words `dictionary`. You have to break `s` into one or more **non-overlapping** substrings such that each substring is present in `dictionary`. There may be some **extra characters** in `s` which are not present in any of the substrings.

Return the **minimum** number of extra characters left over if you break up `s` optimally.

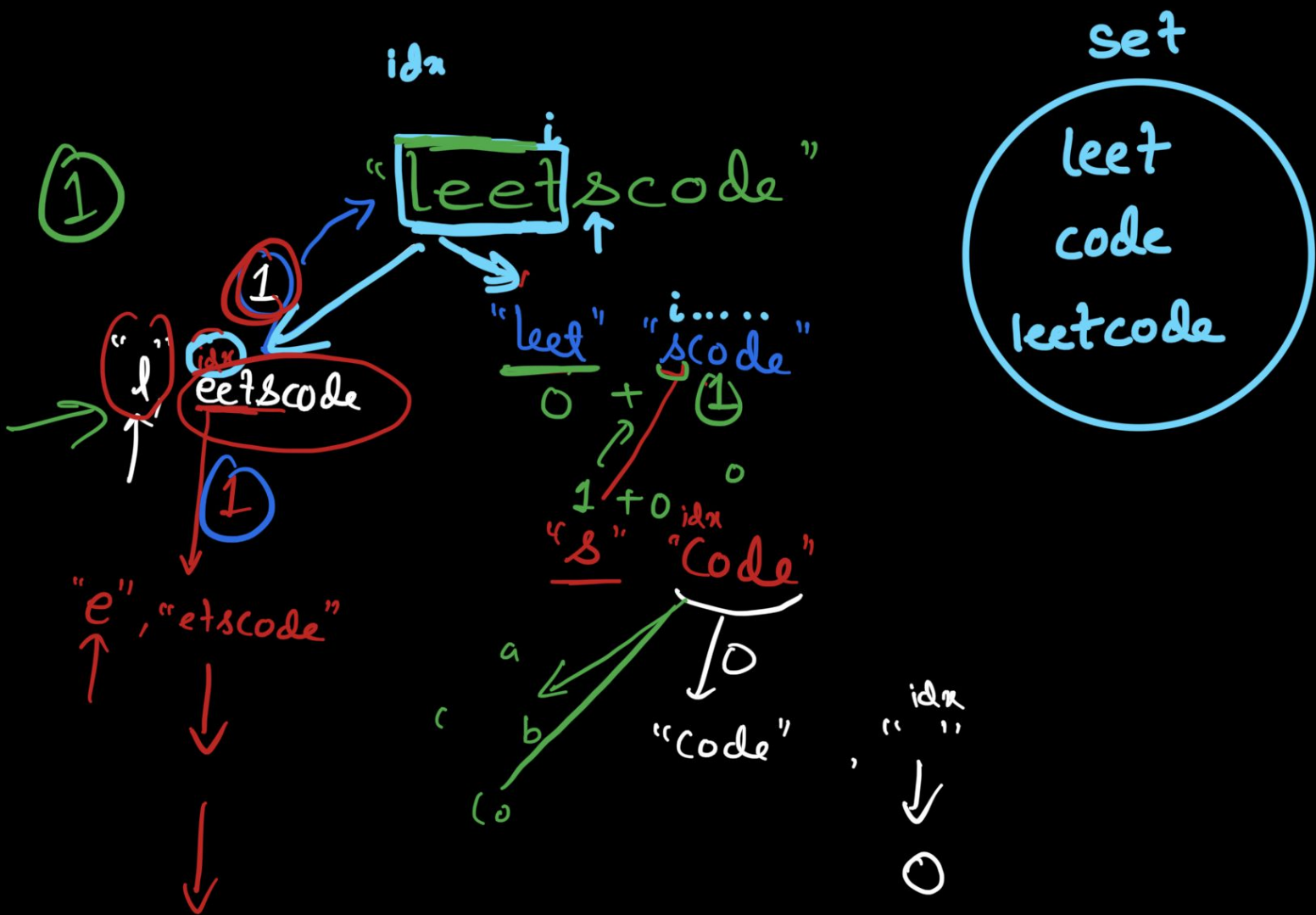
Example:- `s = "leetcode"`

`dictionary = ["leet", "code", "leetcode"]`

`output = 1`

output = 1

~~DP~~



Solve (idx) {

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if (idx >= n)

return 0;

minExtra = n;

curString = "";

for (int i = idx; i < n; i++) {

curString.push_back(s[i]); // ^{0 1}le e

if (st.find(curSubstr) == st.end()) {

curExtra = curSubstr.length();

}

int remainExtra = solve(i+1);

total = curExtra + remain;

minExtra = min(minExtra, totalExtra);

}

}

Mc mix Extra;

Time Complexity :-

