

Week 4 LIVE ((-))

Backtracking Problems LIVE - 2

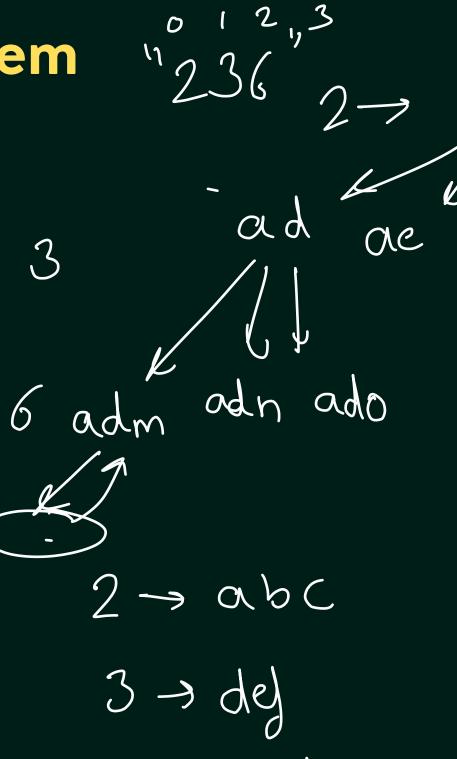
In This Lecture

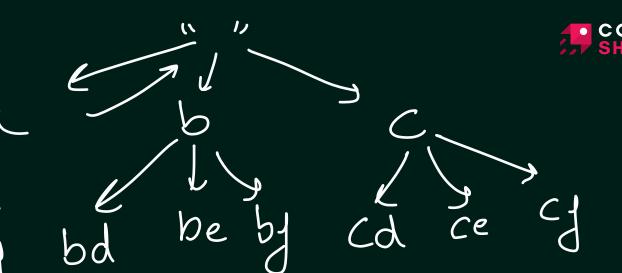


- 1. Smart Keypad Problem
- 2. Palindromic Partitioning Problem

Smart Keypad Problem





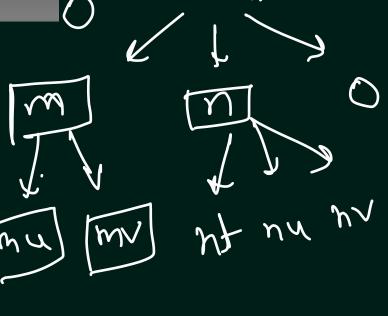


Smart Keypad Problem





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Palindromic Partitioning Problem

Shiy s = "abbaca"

[abbaca] abl

```
abbada)
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```
static void palindromicHelper(String s, List<List<String>> ans,
                                 int index, List<String> cur) {
    if(index == s.length()) {
        List<String> copyCur = new ArrayList<>(cur);
        ans.add(copyCur);
        return;
    for(int \underline{i} = index; \underline{i}<s.length(); \underline{i}++) {
        if(isPalindrome(s, index, i)) {
             cur.add(s.substring(index, <u>i</u>+1));
             palindromicHelper(s, ans, index: i+1, cur);
             cur.remove( index: cur.size()-1);
```

Palindromic Partitioning Problem



Sudo Ku