

## Assignment - Day 3: Backtracking

### Assignment Problems:

1. Move Brackets (Codeforces 1374C)

Link: <https://codeforces.com/problemset/problem/1374/C>

2. Palindrome Partitioning (LeetCode 131)

Link: <https://leetcode.com/problems/palindrome-partitioning/>

3. N-Queens II (LeetCode 52)

Link: <https://leetcode.com/problems/n-queens-ii/>

4. Permutations II (LeetCode 47)

Link: <https://leetcode.com/problems/permutations-ii/description/>

### Submission Instructions:

- Solve and submit all required problems (1–4).
- Submit code files through the Google Form link shared separately.
- Deadline: 08 November 2025 (11:59 pm).

### Note:

Backtracking is about building and undoing choices — always ensure you understand when and why the state is reverted after a recursive call.