**Backtracking**

Whenever we have a problem where we need to generate all combinations/permutations of some group of letters/numbers, the first thought should be backtracking.

1. Backtracking often keeps the space complexity linear with the input size;
2. Backtracking is often implemented in the form of recursion.

**Letter Combinations of a Phone Number** (**17**)

1. **Problem**: Given digits string, return all possible letter combinations;
2. **Solution**:
   1. Dictionary, mapping digit string to letters;