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| Option # | User-Friendly Feature | Internally Uses |
| 1 | Compare similarity **within a single class** | DP |
| 2 | Compare similarity **between two classes** | DP |
| 3 | View mutation details between two sequences | DP |
| 4 | Discover all common patterns (motifs) | All possible LCS (Backtracking) |
| 5 | Simulate DNA sequence assembly | Greedy: Overlap merging |
| 6 | Analyze common prefixes/suffixes | Trie-based search |
| 7 | Advanced: Efficient comparison  for long sequences | Divide and Conquer: LCS/LCP |
| 0 | Exit |  |