Count	and	Lay
		7

This problem requires building each term of the sequence by describing the previous term using sein-length encoding.

Key Elea:

- 1. Bare cox: count And Tay (1) = 4,4
- 2. Recurnive / Ilerative step:

Generate the next term by counting consecutive identical digits in the current term.

3. Run-Length Encoding logic:
For string "332251" - sertput "23321511":

- · [22] 32
- · 5 45
- $A \rightarrow A$

1 Iterative Polition (Optimal)

Algorithm: 1. Start with "1"

2. Reseat n-1 times:

· Scan the current string.

- · Exemt consecutive characters,
- Append count + char to next string.
- 3. Return the final string

Complexity:

Time: O(nxm) (where m is length of texm, grows roughly 1.3x cochistes).

Trace: O(m) (string building each stys).