Count	and	Lay
		7/

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

	Key	Idea:
-	V	

- 1. Bare cox: count And Tay (1) = 4,4
- 2. Recurnire / Ilérature 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"
- · 5 454
- $\mathcal{A} \to \mathcal{A} \mathcal{A}$

1 Iterative Polition (Optimal)

Algrithm: 1. Start with "1"

2. Reseat n-1 times:

· Scan the current string.

· Exint 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 cochstep).

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