Assignment 8: Encoding Programs as Strings

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1 Problem 1

Let L_i be defined as follows:

$$L_0 := \{1, \#1, 100, 001, 010, \#001, \#100, \#010\}$$
$$L_i := \{s_1 s_2 | s_1 \in L_{i-1}, s_2 \in \{11, 00, 1010, 0101, \#\}\}$$