

In-class Practice 8: Distinguishable Strings

1. Let L_1 be the language of all binary strings that start with a 0 and end with a 1. Divide the following strings into equivalence classes with respect to L_1 . That is, which pairs are distinguishable and which pairs are indistinguishable?

0 1 10 01 0110 010101

2. Same question, but with the language L_2 of all binary strings with both an even number of 0s and an even number of 1s.
3. Same question, but with the language L_3 of all binary palindromes.