

In-class Practice 9: Regular Languages

Consider the language M of all binary strings with equal numbers of 0's and 1's.

(a) Provide an infinite set of strings that are pairwise distinguishable with respect to M .

(b) Provide an infinite set of strings that are pairwise indistinguishable with respect to M .

(c) Is the complement of M regular or not? Justify your answer.