

Chapter 8

图灵机

1. [Exercise 8.2.2] Design Turing machines for the following languages:

a) The set of strings with an equal number of 0's and 1's.

不可判定

b) $\{ a^n b^n c^n \mid n \geq 1 \}$.

不可判定



c) $\{ ww^R \mid w \text{ is any string of 0's and 1's} \}$

不可判定

2. Design a Turing machine for the language $\{wcw \mid w \in \{a,b\}^*\}$.

可判定



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