EIC0022 | THEORY OF COMPUTATION | 2019/2020 - 1st Semester

## Challenge Activity 9 – Turing Machine

- 1. Consider the following language:
  - $L = \{ww \mid w \in \{0,1\}^*\}$
  - a) Describe a strategy to implement a TM for this language;
  - b) Draw a TM that uses the above strategy to solve the problem;
  - c) Present the trace of computation when the input string is "0101".