

# COM1003 Assignment 3

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## 0.1 Algorithm

1. Initialise I/O
2. While !ended:
  - 2.1. blackDetected?
    - 2.1.1. reachedLine = true
    - 2.1.2. turnedLast = false
    - 2.1.3. goForward
  - 2.2. else
    - 2.2.1. reachedLine?
      - 2.2.1.1. !turnedLast?
        - 2.2.1.1.1. turnedLast = true
        - 2.2.1.1.2. leftTurn = !leftTurn
      - 2.2.1.2. leftTurn?
        - 2.2.1.2.1. goLeft
      - 2.2.1.3. else
        - 2.2.1.3.1. goRight
  - 2.3. ended?
    - 2.3.1. stop movement