How the Line Follower Robot Works

The basic operation follows this principle:

- When a line sensor detects the black line:
    - It sends a 1 signal to its corresponding pin (IO69 or IO68).
    - This signal is used as the select input in the demux2 blocks.

- The demux2 block receives the constant 1 on its in input, and depending on the select value, it routes the signal to one of the outputs:
    - **select = 0:** The activation signal 1 is routed to outa.
    - **select = 1:** The activation signal 1 is routed to outb.

Example Behavior:

- **If the left sensor (IO69) detects the line:**
    - The demux controlling the left motor sends the signal to outb (for example, turning the motor to correct the path).

- **If the right sensor (IO68) detects the line:**
    - The demux controlling the right motor sends the signal to outb.

The robot adjusts the motor movements to follow the line detected by the sensors.