**Name:**

**Student Number:**

**Class Group:**

**Lab 9 – Latches and Memory**

1. Describe, using your own words, a D Latch. Illustrate how it is implemented below and confirm its operation using the simulator. Draw its truth table.

**Description:**

**Truth Table:**

**Circuit:**

1. Show a circuit which can be used to write to a 5x4 memory. Illustrate how it is implemented below and confirm its operation using the simulator. (You may use the blackbox decoder in Logisim).

**Description:**

**Circuit:**