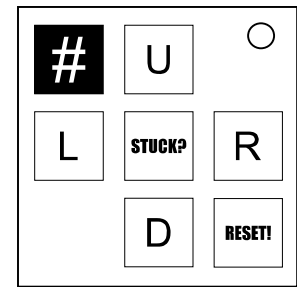# On the Subject of De-Logicing Boolean Maze

Logic? Nah!

This module contains four movement keys: **U, L, R, D,** a **STUCK?** key, a **RESET!** key and a display which will display integers from 0 to 3.

Tips for Success

- In order to solve this module, travel from the starting point to the ending point.
    - Starting Location: (3rd,4th) positions of the serial
    - Ending Location: (5th,6th) positions of the serial
- Make sure to convert letters to numbers (A = 1, B = 2, …) 3 take their value modulo 10.
- The starting and ending locations will be in (row,column) format, with the top left space of the maze being (0,0).
- Use **U,L,R,D** to move Up, Left, Right, and Down respectively.
- A move is considered legal only if, the number is on the space you're moving to.
- If you attempt to enter a space, and the number displayed is not on the space you're moving to, you will get a strike and not move.
- You may not leave the edges of the maze. Doing so will result in a strike, and you will not be moved.
- If you have no legal moves you can press **STUCK?** to change the display until you can move again, but be careful, using this when you have a legal move will result in a strike and you will be reset back to the start.
- If you think you may be lost you can press **RESET!** to reset back to the starting position.
- **NOTE:** If the Ending Location is on a 0 or an 3, then it will shift 1 cell at a time until it is no longer a 0/3. The direction of the shift depends on the original displayed number (0 = UP, 1 = RIGHT, 2 = DOWN, 3 = LEFT). If the shift reaches the edge of the grid it will wrap around to the other side of the grid.

Maze

	0	1	2	3	4	5	6	7	8	9
0	0	1,2	1,2,3	3	1,2,3	3	1,2	0	1,2,3	1,2
1	1,2	3	1,2,3	0	1,2,3	1,2,3	1,2,3	3	1,2	3
2	1,2,3	3	1,2,3	1,2,3	1,2	0	1,2,3	3	1,2,3	1,2,3
3	3	0	1,2,3	0	1,2,3	1,2	3	0	1,2,3	1,2,3
4	1,2,3	1,2,3	3	1,2,3	1,2,3	0	1,2,3	1,2,3	0	1,2
5	1,2	1,2,3	3	0	1,2,3	1,2,3	3	0	1,2	1,2,3
6	1,2,3	1,2,3	3	0	1,2,3	3	1,2	1,2,3	1,2,3	1,2
7	1,2	3	1,2,3	1,2,3	1,2,3	1,2	0	0	1,2,3	1,2,3
8	1,2	1,2,3	1,2,3	1,2,3	3	3	0	0	1,2,3	1,2
9	1,2,3	1,2,3	1,2	0	3	1,2,3	1,2	1,2,3	3	0