

These shaded registers are not used for this project

1	2	3	4	5	6	7	8
1	2	4	8	16	32	64	128

← These are the shift register registers

← These are the values that are required to get the individual segments to display

This column sums up all the columns to the left

Examples

1								1
	2							2
		4						4
						64		64
1		4						5
				16				16
1	2	4	8	16	32	64	128	255

To get the 1st register to light we need a '1' sent to the shift register

To get the 2nd register to light we need a '2' sent to the shift register

To get the 3rd register to light we need a '4' sent to the shift register

To get the 7th register to light we need a '64' sent to the shift register

To get the 1st and 3rd register to light at the same time we need to send a '5' to the shift register

To get the 5th register to light we need a '16' sent to the shift register

To get all the registers to light at the same time we need to send 255 to the shift register