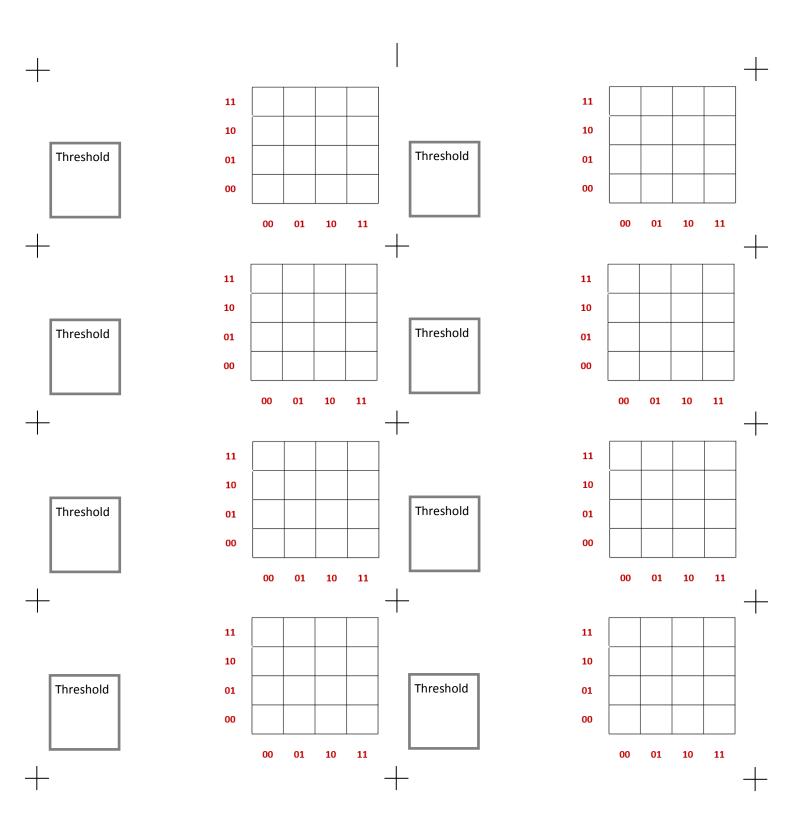
MUNCHING SQUARES: 4 by 4 Master Templates

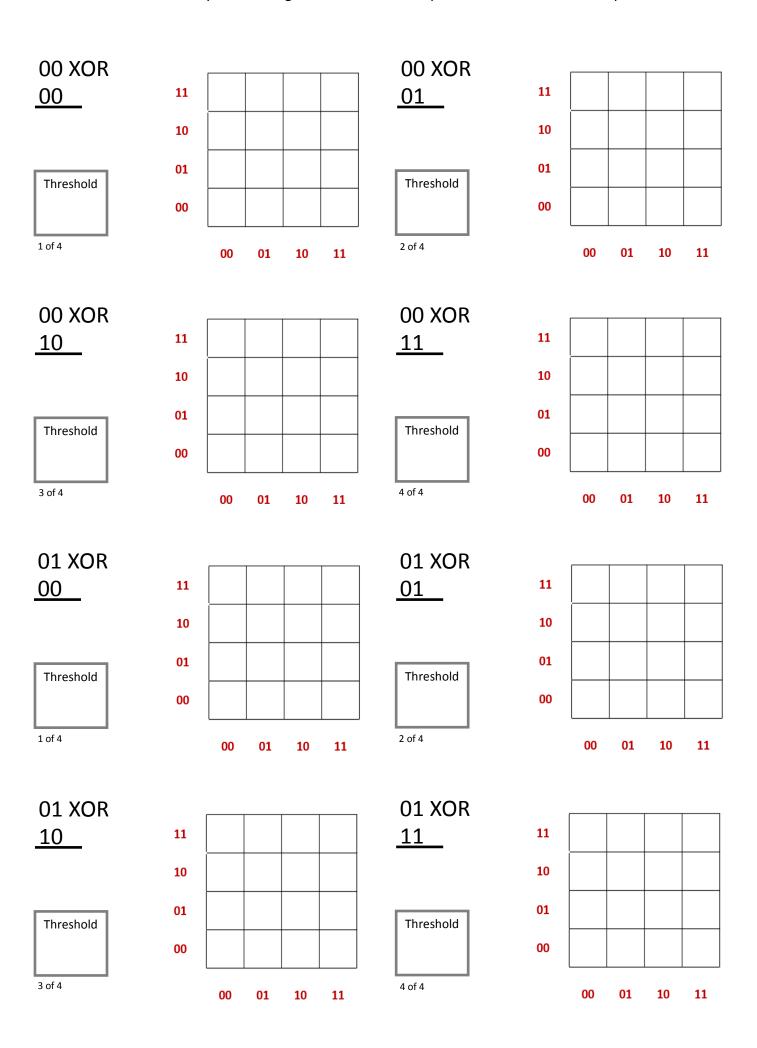
Each of the two pages allows a student to calculate the value of two of 4 columns in a 4 by 4 grid. Each page has 8 values to calculate. The threshold value is blank. All 4 columns need to be calculated for each threshold value, so 8 sheets in total are required.

Each set of 4 columns for a particular threshold value then need to be copied to a 'master template' shown below. The four Master Templates display the pattern for each of 4 threshold values. By reproducing these on card, cutting them out and arranging as a 'flick book' students will be able to appreciate the animation they hope to achieve. The template below will allow for two cycles of the animation.



MUNCHING SQUARES: 4 by 4 Template—Columns 00 and 01

Fill in the threshold value you are using. Then shade in the square for each bitwise XOR operation.



MUNCHING SQUARES: 4 by 4 Template—Columns 10 and 11

Fill in the threshold value you are using. Then shade in the square for each bitwise XOR operation.

