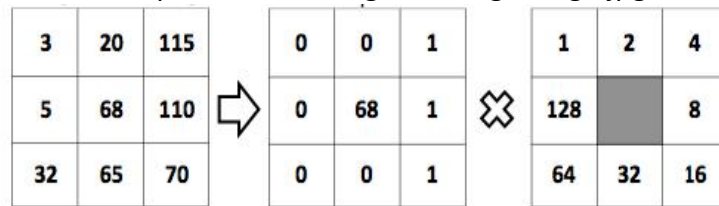


## Digital Image Processing Lab Assignment-2

1. Apply the vertical and horizontal prewitt filters on 'image1.jpg' and display the output. Also compute the magnitude and orientation and display the results.
2. Compute LBP response from the given image 'img2.jpg'.



$$\text{LBP} = 0 \times 1 + 0 \times 2 + 1 \times 4 + 1 \times 8 + 1 \times 16 + 0 \times 32 + 0 \times 64 + 0 \times 128 = 4 + 8 + 16 = 28$$

Fig. 1. Sample LBP Computation.