

size 5x5		col 0	col 1	col 2	col 3	col 4
row 0	row 0	matrix[0][0] 2*left/up --> row -2, col-2	matrix[0][1] row -2, col-1	matrix[0][2] 2*up --> row-2, col	matrix[0][3] row -2, col+1	matrix[0][4] matrix[0][size-1] 2*up/right --> row -2, col+2
		matrix[1][0] row -1, col-2	matrix[1][1] left/up --> row -1, col-1	matrix[1][2] up --> row-1, col	matrix[1][3] up/right --> row -1, col+1	matrix[1][4] matrix[1][size-1] row -1, col+2
		matrix[2][0] 2*left --> row, col-2	matrix[2][1] left --> row, col-1	matrix[2][2] matrix[row][col] YOU ARE HERE	matrix[2][3] right --> row, col+1	matrix[2][4] matrix[2][size-1] 2*right --> row, col+2
row 3	row 3	matrix[3][0] row+1, col-2	matrix[3][1] down/left --> row+1, col-1	matrix[3][2] down --> row+1, col	matrix[3][3] right/down --> row+1, col+1	matrix[3][4] matrix[3][size-1] row+1, col+2
		matrix[4][0] matrix[size-1][0] 2*down/left --> row+2, col-2	matrix[4][1] matrix[size-1][1] row+2, col-1	matrix[4][2] matrix[size-1][2] 2*down --> row+2, col	matrix[4][3] matrix[size-1][3] row+2, col+1	matrix[4][4] matrix[size-1][size-1] 2*right/down --> row+2, col+2