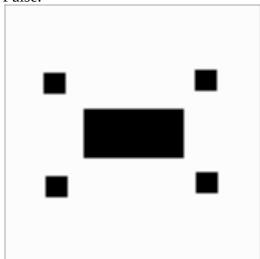
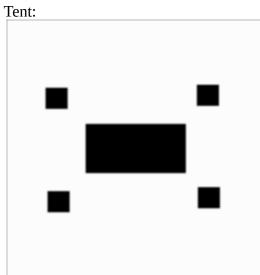
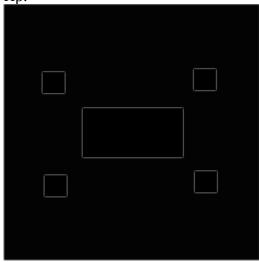
## Pulse:

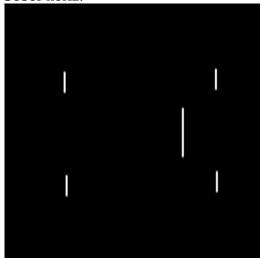




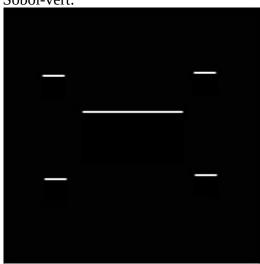
#### Hp:



# Sobol-horiz:



# Sobol-vert:



## Emboss:





Sharpen:





For edge cases my code treats any pixel outside the image as black. To handle values outside 0 to 255 my code normalizes the kernel and also clamps the values to 0 to 255.