

# Computer Vision hw3

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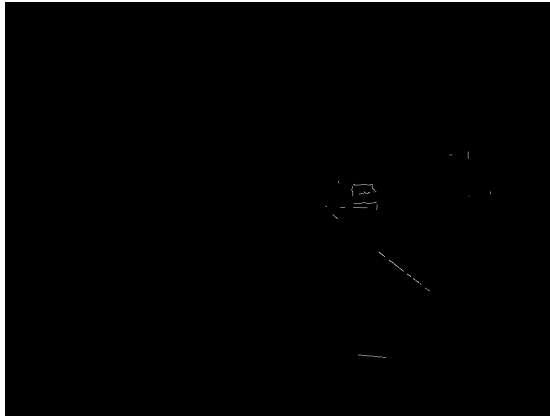
## Q1 Gaussian Blur

The function acts the same way as hw2 convolution function, by taking a gaussian kernel.



## Q2 Canny Edge Detection

Function `getCanny()` do gaussian blur if the picture hasn't done yet, then call `gradientCalculation()`, `nonMaximumSuppression()`, `doubleThreshold()`, `edgeTrackingByHysteresis()`, respectively, as the order of operations in Canny Edge Detection provided in powerpoint.



## Q3 Hough Transform

In function `houghTransform()`, all the calculations have been implemented inside. After calculating the possible lines on the image, all the lines will be drawn on the original image.

