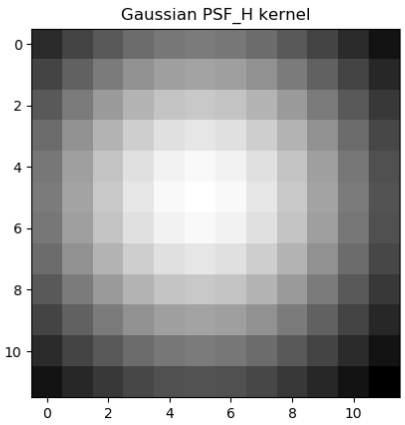
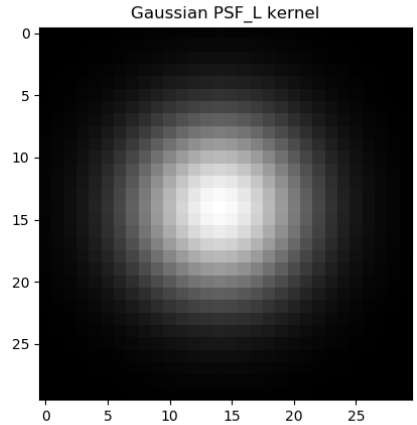
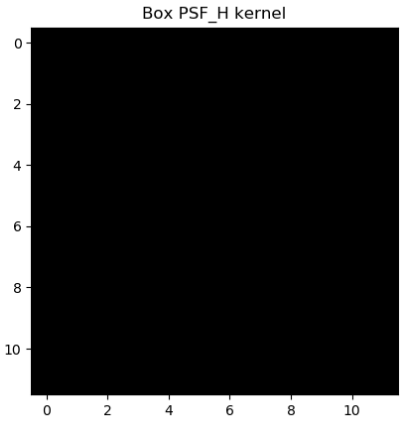
Wet Part Results

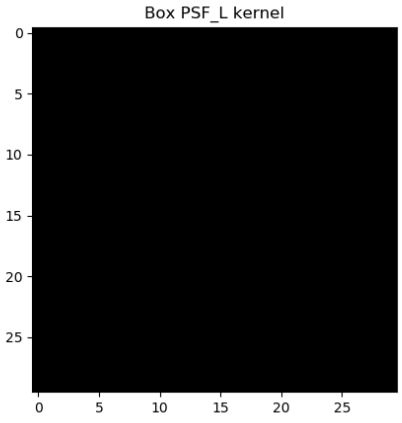
Question 1





Question 2





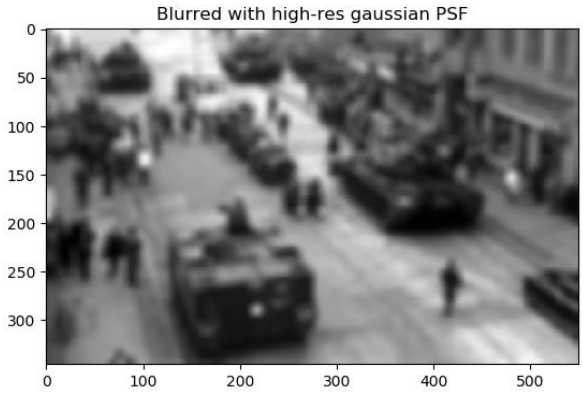
The value of the box PSF H kernel is: 1/144

The value of the box PSF L kernel is: 1/900

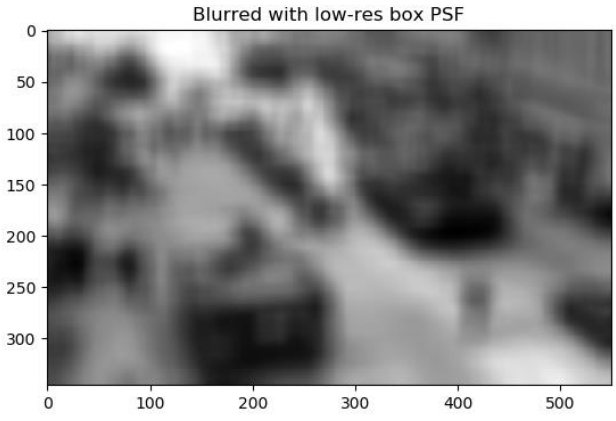
(It looks black because the value is constant).

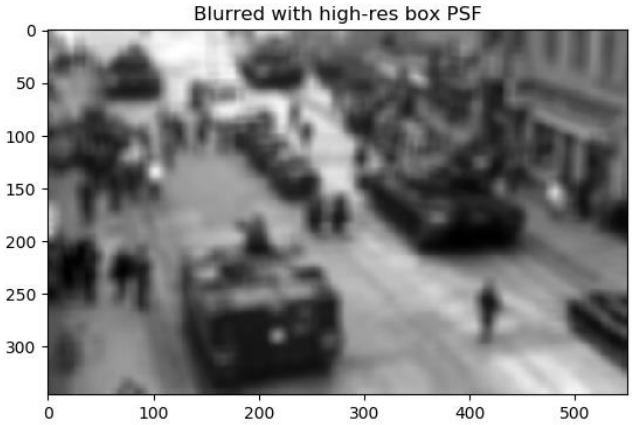
Question 3

Gaussian Kernel:



Box Kernel:

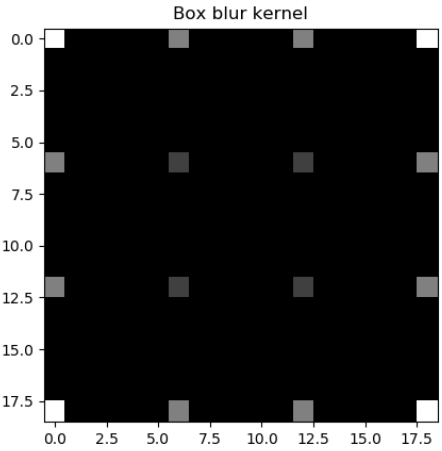


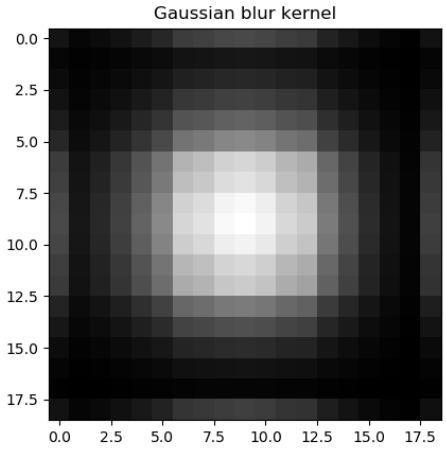


Question 4

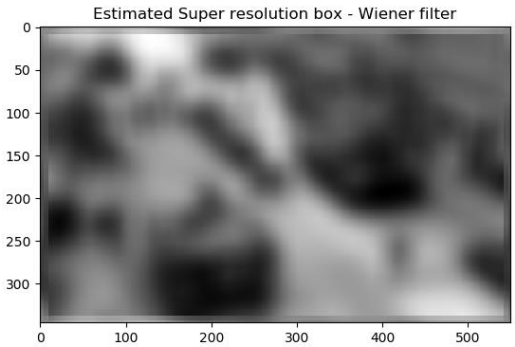
K Result: we used the following reference for building a Toeplitz doubly blocked matrix

https://github.com/alisaaalehi/convolution_as_multiplication/blob/master/Convolution_as_multiplication.ipynb?fbclid=IwAR00QNLNit_UfLvDasFc2zncnE-wAHmY5VTOXq9vKEei3PS3PqdqzPG0yAk

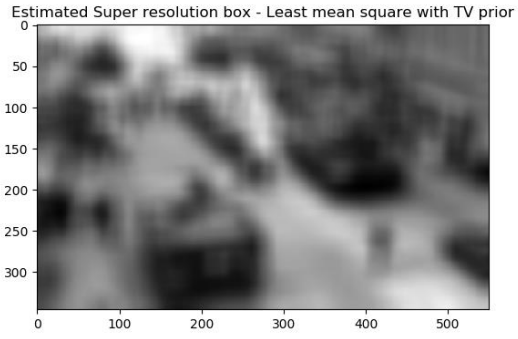




Question 5.1



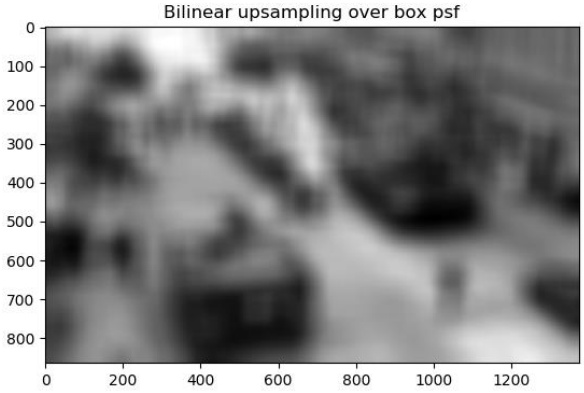
Question 5.2

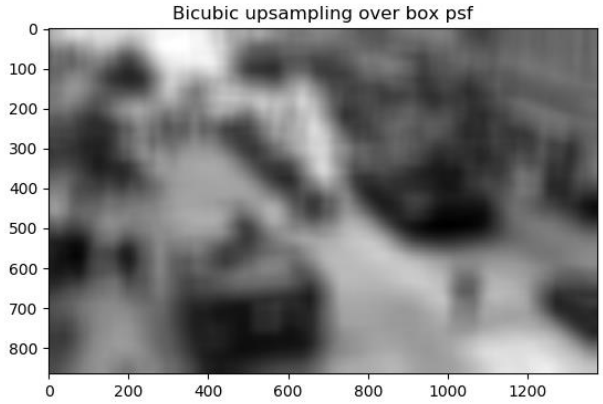


** We used the library pyunlockbox in order to achieve 5.2 results.

Question 6

Box:





Gaussian: