

(a) Dilation



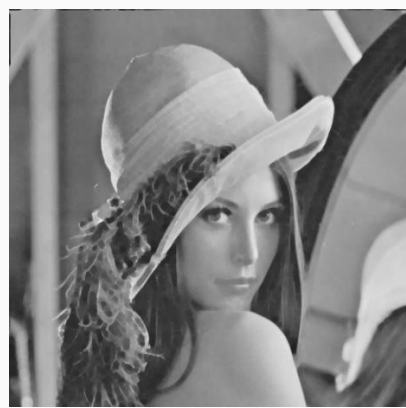
(b) Erosion



(c) Opening



(d) Closing



"python R11922150_HW5.py" to run the program.

In this homework, I first define the kernel as a list. When the values are all zero in the kernel, the dilation and erosion are equivalent to finding the local maximum and minimum. Then, I define the dilation and erosion functions following the lecture slides. Finally, the rest of the tasks are all a combination of dilation and erosion.