

(a) Dilation



(b) Erosion



(c) Opening



(d) Closing



(e) Hit-and-miss transform



"python R11922150_HW4.py" to run the program.

In this homework, I first define the kernel and j , k that will be used in part(e) as 3 lists. Then, I define the dilation and erosion functions following the lecture slides. Finally, the rest of the tasks are all a combination of dilation, erosion, and if/else.