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HW5-1:

目標: Gray-scale dilation

演算法:

跟上次作業類似,只是這次是抓去kernel中最大值,去填補kernel中間位置的數值

Code segment

Result picture:



HW5-2:

目標: gray-scale erosion

演算法:

針對目前的kernel所覆蓋到的像素點,選取裡面其中的最小值,把它當作kernel中間的數值並填補到原本圖片上面

Code segment:

Result picture:



HW5-3:

目標: gray-scale opening

演算法:

先做erosion, 再做dilation

Code segment:

```
#hw5-3
#先做erosion, 再做dilation
def opening(img, kernel):
    print("Process for opening image...")
    return dilation(erosion(img, kernel), kernel)
```

Result picture:



HW5-4:

目標: gray-scale closing

演算法:

先做dilation, 再做erosion

Code segment:

```
#hw5-4
#先做dilation, 再做erosion
def closing(img, kernel):
    print("Process for closing image...")
    return erosion(dilation(img, kernel), kernel)
```

Result picture:

