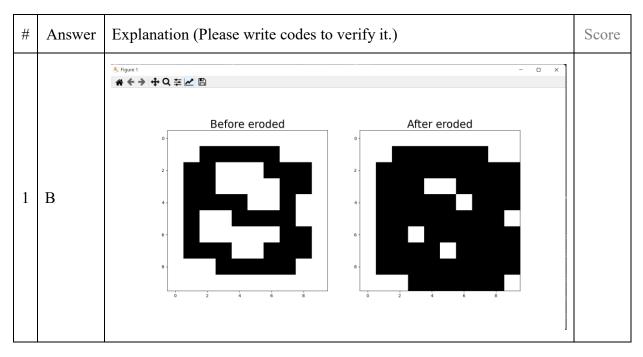
Lab 08

Name: 白騏瑞
Student ID: B08611027
Total Score:

Note:

Most of the explanations in this lab is mandatory, However, giving reasonable explanations to your answer or programs will earn you partial credits when your answer is incorrect.

A. Multiple Choice (20 points)



B. Find the Contour (20 points)





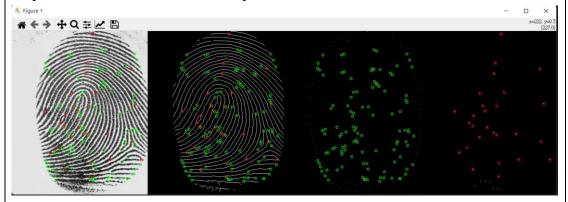
C. Image Enhancement (25 points)

#	Description	Score
	Paste your result from (a) to (g) here.	
	Original image (a) (b) (c)	
-	(d) (e) (f)	
	不知道為甚麼(c)與(d)看起來比範例圖片清楚。 剩下的看起來都與範例差不多。	

D. Fingerprint Analysis (35 points)

#	Description	Score
	Paste your result here and briefly describe your image processing procedure and	
	approach. How do you think your results are?	
-	Step 1:用不同的方法提高 fingerprint image 的辨識度	
	Step 2:將 fingerprint image 做 skeletonization(骨架化)	
	Step 3:運用 ridge-endings 周圍只有一個 pixel 是白的跟 bifurcations 周圍有三個	
	pixel 是白的方法,尋找出 ridge-ending 和 bifurcations 的位置	

Step 4:刪除重複數的 bifurcation points



我認為 bifurcations 的結果還不錯,而 ridge-ending 的結果錯誤有點多。 我認為可以改進圖片的前處理來增加準確度。(因為在座骨架化的時候發現有些 線段沒有到非常的光滑)

