Computer Vision Homework9 report
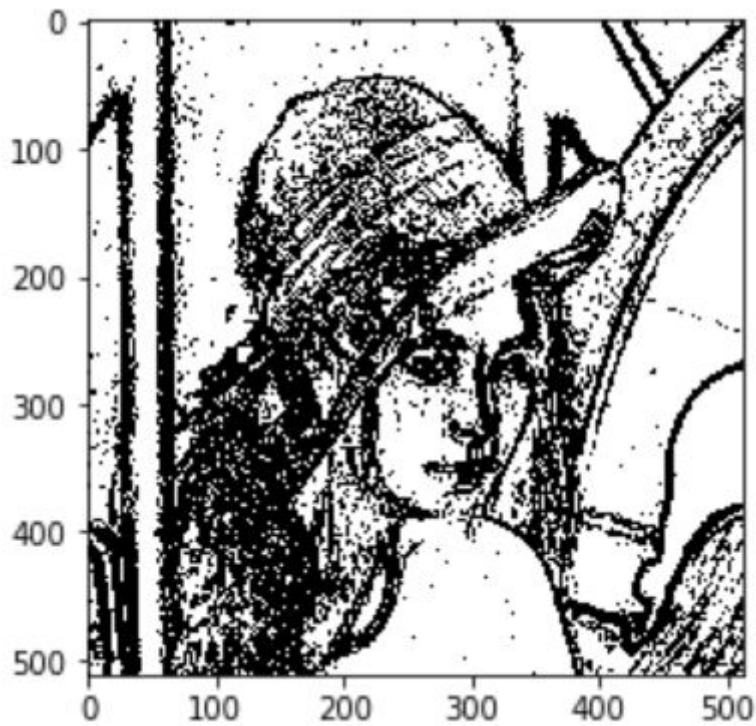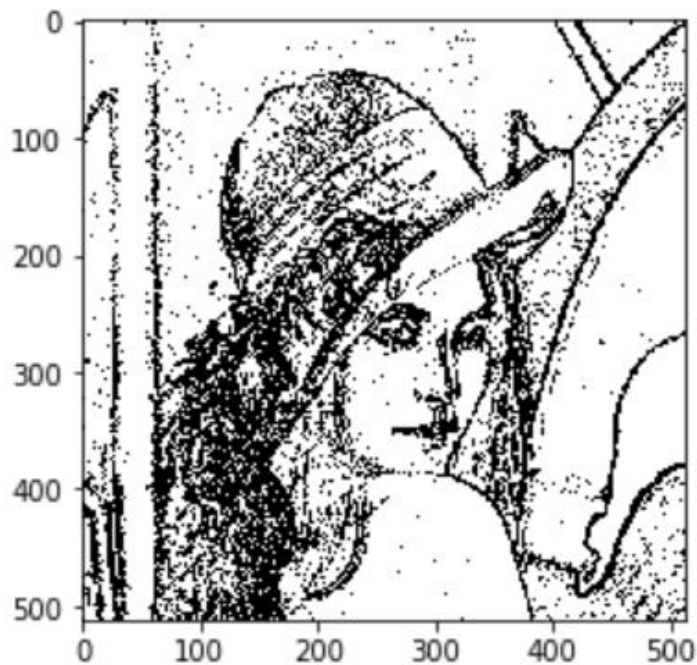
R08922143 賴振東
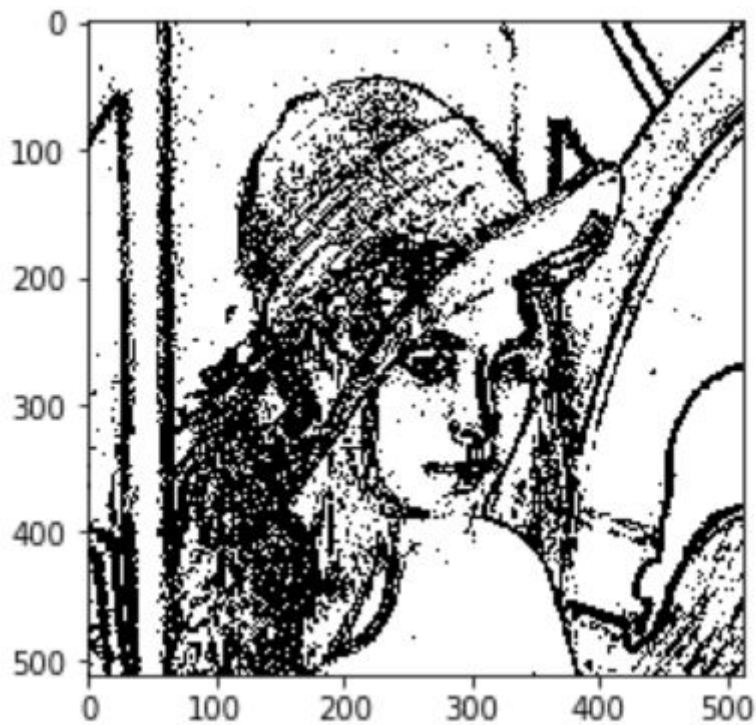
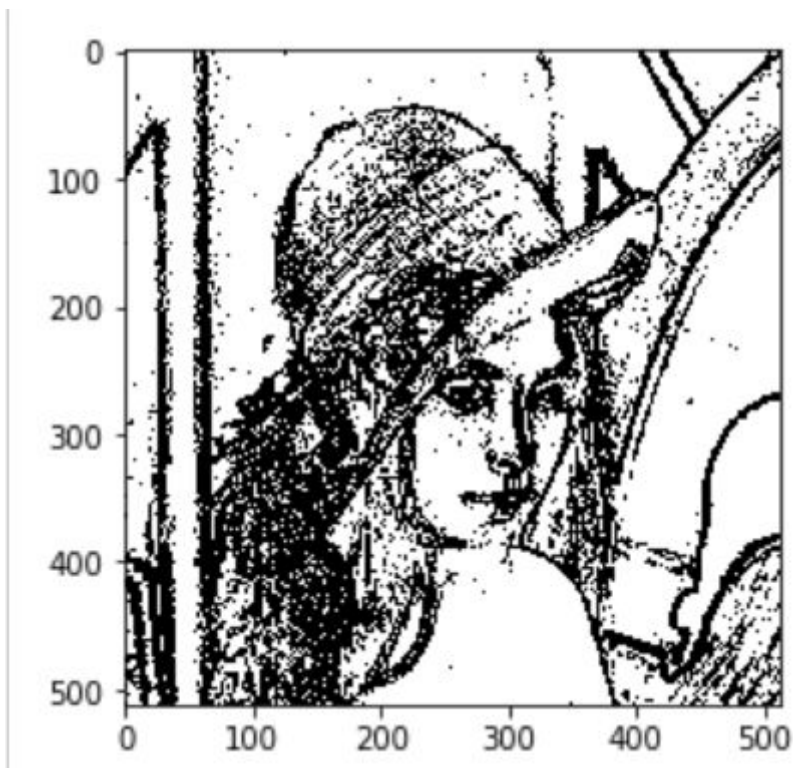## (a) Robert's Operator : threshold = 12

(b) Prewitt's Edge Detector : threshold = 12
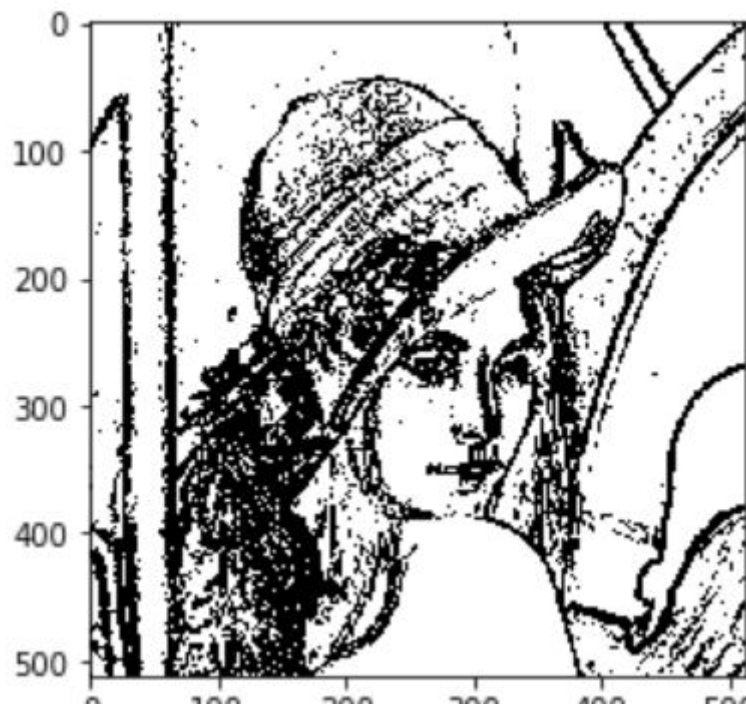
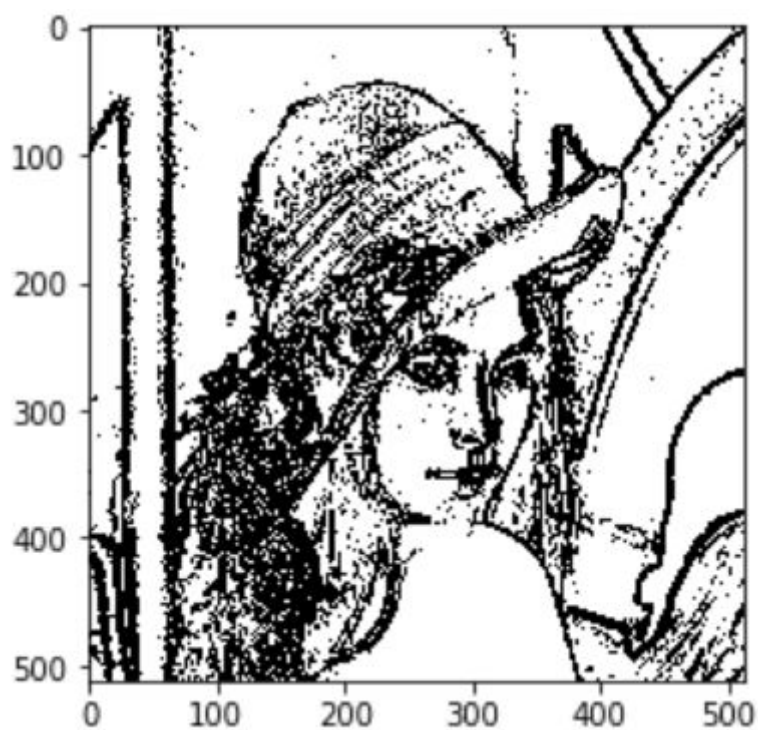(c) Sobel's Edge Detector: threshold = 38

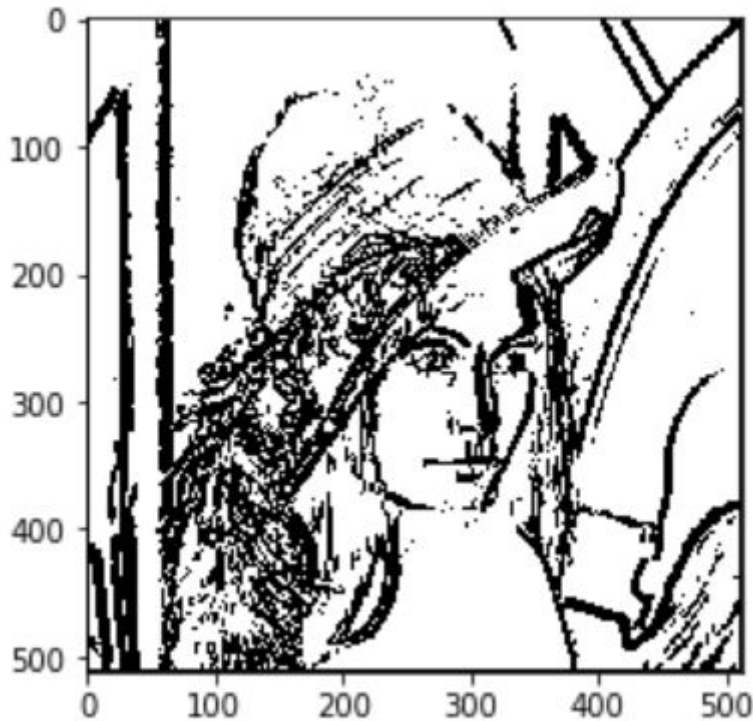(d) Frei and Chen's Gradient Operator: threshold = 30

(e) Kirsch's Compass Operator: threshold = 135

(f) Robinson's Compass Operator: threshold = 43

(g) Nevatia-Babu 5x5 Operator: threshold = 12500

這次作業主要就是將 ppt 上的各種 operator 用 python 刻出來，寫超過一半才發現用 mask 定義各個 operator 中用到的 3x3, 5x5 可以讓整個程式碼短很多，且利於閱讀。