

# Computer Vision HW9 Report

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B07902045 資工四 呂紹齊

這份作業需要注意的地方：若超過 threshold 則將 pixel value 設為 0(黑)，比較符合直覺。

## 1. Roberts operator (threshold: 30)

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## 2. Prewitt edge detector (threshold: 24)

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### 3. Sobel edge detector (threshold: 38)

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**4. Frei and Chen gradient operator  
(threshold: 30)**

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**5. Kirsch compass operator (threshold: 135)**

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**6. Robinson compass operator (threshold: 43)**



**7. Nevatia-Babu  $5 \times 5$  operator (threshold: 12500)**

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