[Computer Vision I] Homework 9

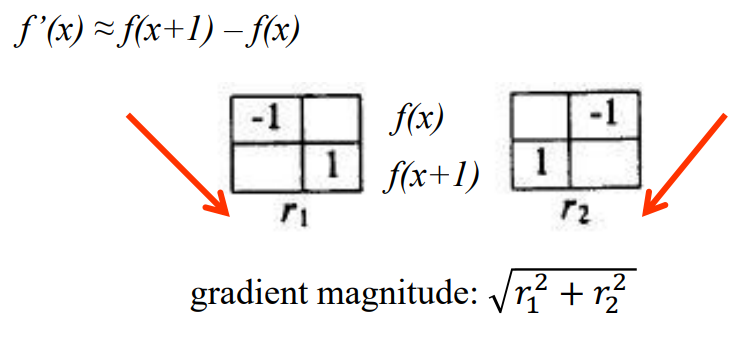
學號: R07943087姓名: 林啟源

**Write a program to generate images and histograms:**

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1. **Robert's Operator: 12**



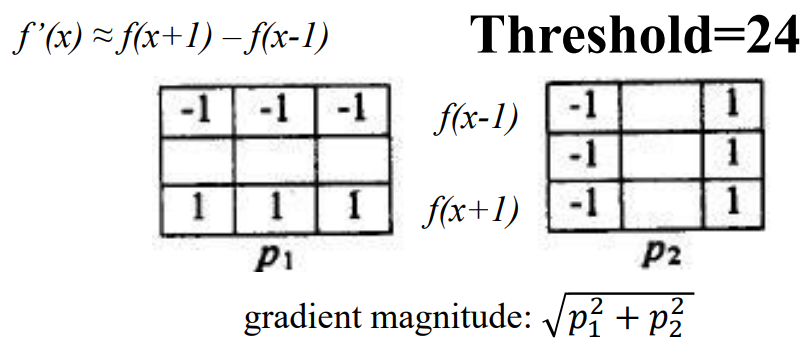


Lena\_Robert\_12



1. **Prewitt's Edge Detector: 24**



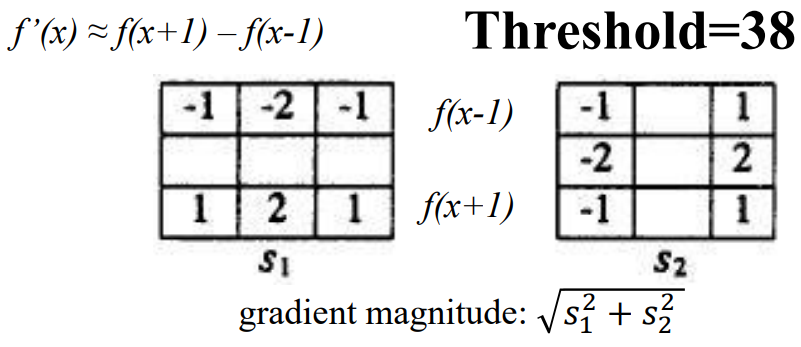


Lena\_Prewitt\_24



1. **Sobel's Edge Detector: 38**



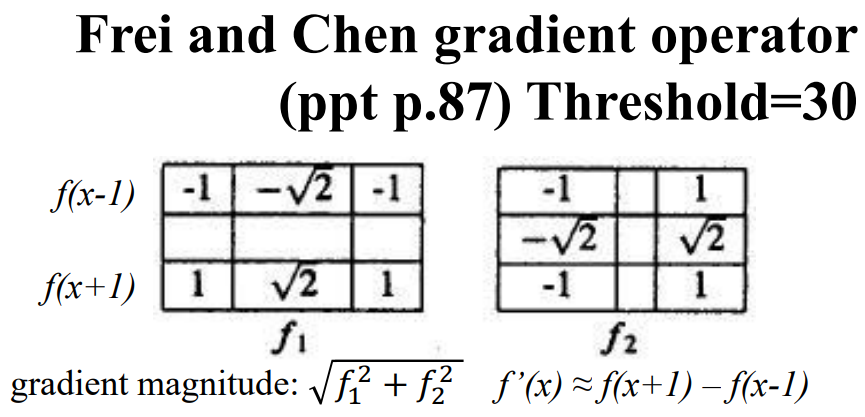


**Lena\_Sobel\_38**



1. **Frei and Chen's Gradient Operator: 30**



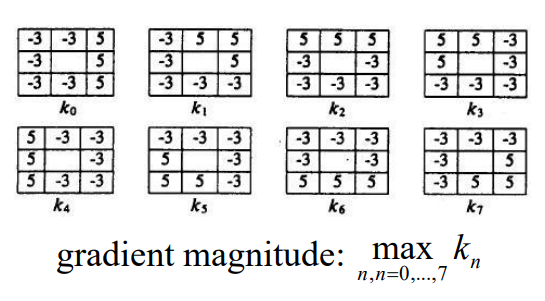


Lena\_Frei\_Chen\_30



1. **Kirsch's Compass Operator: 135**



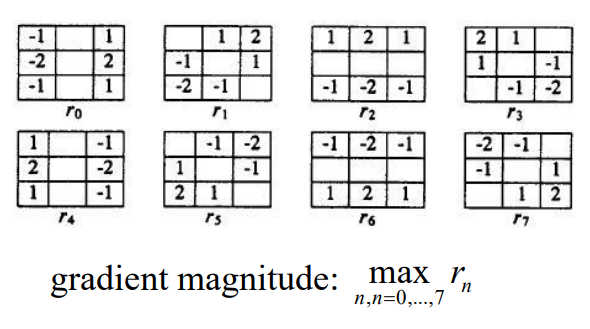


Lena\_Kirsch\_135



1. **Robinson's Compass Operator: 43**

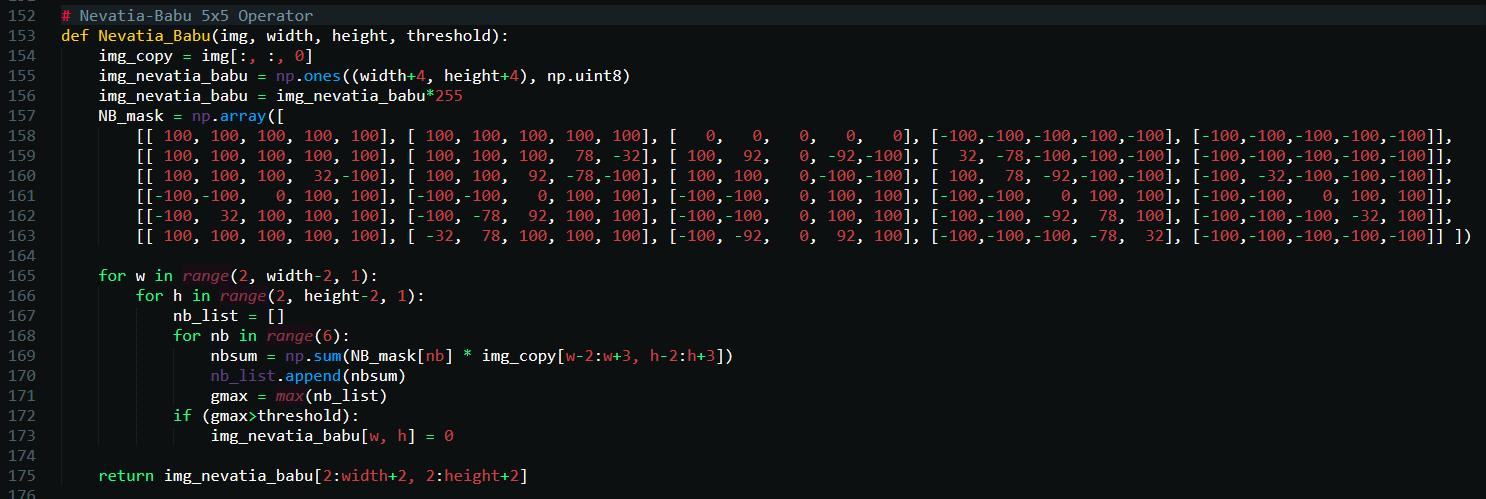
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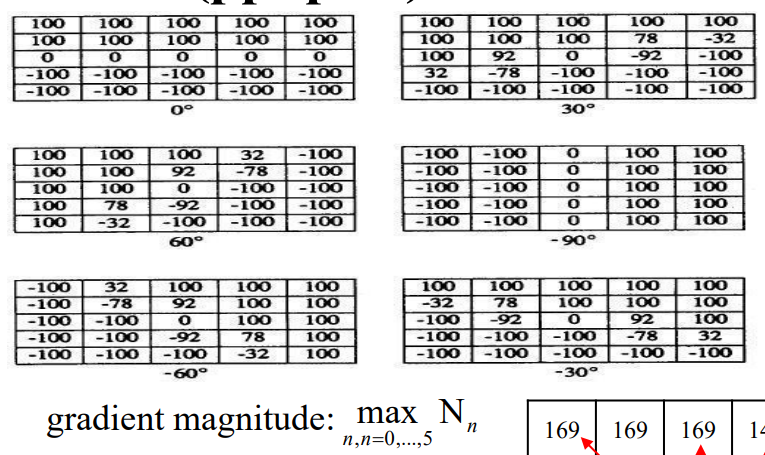
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Lena\_Robinson\_43



1. **Nevatia-Babu 5x5 Operator: 12500**





Lena\_Nevatia-Babu\_12500

