	COURSE: IMAGE PROCESSING		MARKS: /10
	TOPIC: Image Segmentation	CODE: BCM2063	
	Lab Exercise	NO: 5	

QUESTION 1

[5 Marks]

Instruction:

- Open “Lena.tiff”, read the file into f .
- Write a new function to detect image edge using Sobel approximation to the derivatives (without build-in-function).
- Write a new function to detect image edge using Prewit approximation to the derivatives (without build-in-function).
- Display the two image edges obtained from Sobel and Prewit techniques for comparison.
- Inspect and analyse the results in terms of edge image.

QUESTION 2

[5 Marks]

Instruction:

- Open “Text image” as shown in Figure 1, read the file into f .

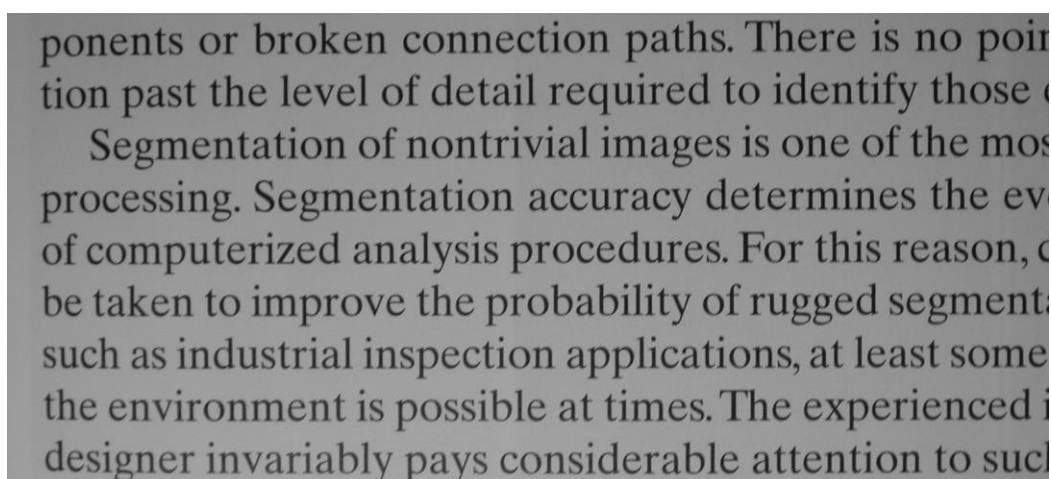


Figure 1. Text image.

- Split text and background image using global threshold.
- Display and analyse the results obtained from global threshold technique.