CS 482 Homework 1 Talha Agcayazi

**Process for Part1**

Sobel x image

Sobel x Filter

Image1 (Greyscaled)

Sobel y Filter

Image1 (Greyscaled)

Sobel y image

Directional image

Image1 (Greyscaled)

Directional Filter

(Sobel x image + Sobel y image)/2

Image 1

(Sobel x image + Sobel y image + Dircectional image)/2

Image 2

**Process for part 2:**

Box filter Filter (30 iterations)

Image1

Image 3

Gaussian like filter Filter (1 iteration1)

Filter: [1, 1, 1; 1, 4, 1; 1, 1, 1];

Image1

Image 4