**Assignment 3 – Oisin Mc Laughlin – 22441106**

**Pic2GrayScale:**function [gry\_img] = pic2grayscale (img)

gry\_img = img(:,:,1) \* 0.2929 + img(:,:,2) \* 0.5870 + img(:,:,3) \* 0.1140;

end

A building with a glass wall

Description automatically generated with medium confidence

**Transform\_pic:**

function [trnsf\_img] = transform\_pic(gry\_img)

trnsf\_img = 255 - gry\_img;

end

**A computer screen shot of a building

Description automatically generated**

**Transform\_Threshold:**

function [bnry\_img] = transform\_threshold(gry\_img, threshold)

bnry\_img = gry\_img > threshold;

end

**50:**

**A screenshot of a computer

Description automatically generated**

**75:**

**A screenshot of a computer

Description automatically generated**

**100:**

**A screenshot of a computer

Description automatically generated**