

CMPE258
Homework
HL

1. Given an image in Figure 1-left,
(1) find a binary image $B(x,y)$ with $T= 10$;
(2) find \bar{x} , and \bar{y} of $B(x,y)$; and

11	11	2	3	0
11	51	0	3	0
91	41	0	3	0
82	51	9	4	2

1	0	-1
1	0	-1
1	0	-1

Figure 1.

2. Based on the image in Figure 1-left, and convolution kernel in Figure 1-right, compute 2D convolution.
3. Submit one PDF file. Use the following file naming convention:
firstName_lastName_SID(last-4-digits)_cmpe258_2Dconvolution.pdf.
Submit it to the class canvas.

(END)