ME192 HW #5 Extra Credit Problem – Due 10/8/14

**(5 points extra)**

Perform morphology operations using the source image in Grid 1 and the structural elements A and B.

1. Grid 1 - Dilation of the Grid 0 image using Structural Element A.
2. Grid 2 - Erosion of the Grid 1 image with Element B
3. Grid 3 - Erosion of the Grid 2 image with Element B, followed by

Subtraction of the resulting erosion from the Grid 2 image.

Either shade or insert character “o” or “/” in the element boxes.

**Structural**

**Element**

*Source Image 🡪 Dilation with A 🡪 Erosion with B 🡪 Edge Extract with B*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  | / | / | / |  |  |  |  |  |  | / |  |  |  |  |  |  |  | / |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  | / | / | / |  |  |  |  |  |  | / |  |  |  |  |  |  |  | / |  |  |  |  |  |  |  |
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**0**

**2**

**1**

**3**