Morphological Image Processing I
Solutions to problems given in L07

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Example: erosion

Orginal object (0-BG,1-obj):

After erosion:
Example: dilation

Original object (0-BG, 1-obj):

After dilation:
Example: opening

Original object (0-BG,1-obj):

After opening:
Example: closing

Original object (0-BG,1-obj):

After closing:
Example: hit-or-miss transform

Original image:

Result:
Example: hit-or-miss transform (intermediate steps)

Original eroded with $B_1$:

Complement eroded with $B_2$:
gray - original concave object
red - the first pass
green - the second pass
blue - the third pass
black - the fourth pass
all together - the convex hull