|  |  |  |
| --- | --- | --- |
| lena.bmp | dilation\_lena.bmp | closing\_lena.bmp |
|  |  |  |
| opening\_lena.bmp | closing\_lena.bmp | hitmiss\_lena.bmp |
|  |  |  |

Ans

Description

1. Problem Formation
   1. Write programs which do binary morphology on a binary image:

(a) Dilation (b) Erosion (c) Opening (d) Closing (e) Hit-and-miss transform

* 1. Binarize Lena with the threshold 128 (0-127,128-255).
  2. Please use the octogonal 3-5-5-5-3 kernel.
  3. Please use the "L" shaped kernel (same as the text book) to detect the upper-right corner for hit-and-miss transform.
  4. Please process the white pixels (operating on white pixels).

1. Method of Algorithms

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1. 本次作業使用python
2. Source Code [R08921005\_HW4\_ver1.py]說明如下