



Practice 5

Mathematical Morphology



Questions and Practices

- 1. Dilation of “broken-text.tif”
- 1)PLS refer to Fig.9.6

a b

FIGURE 9.6

A simple example of dilation.

(a) Input image containing broken text. (b) Dilated image.

Historically, certain computer programs were written using only two digits rather than four to define the applicable year. Accordingly, the company's software may recognize a date using "00" as 1900 rather than the year 2000.

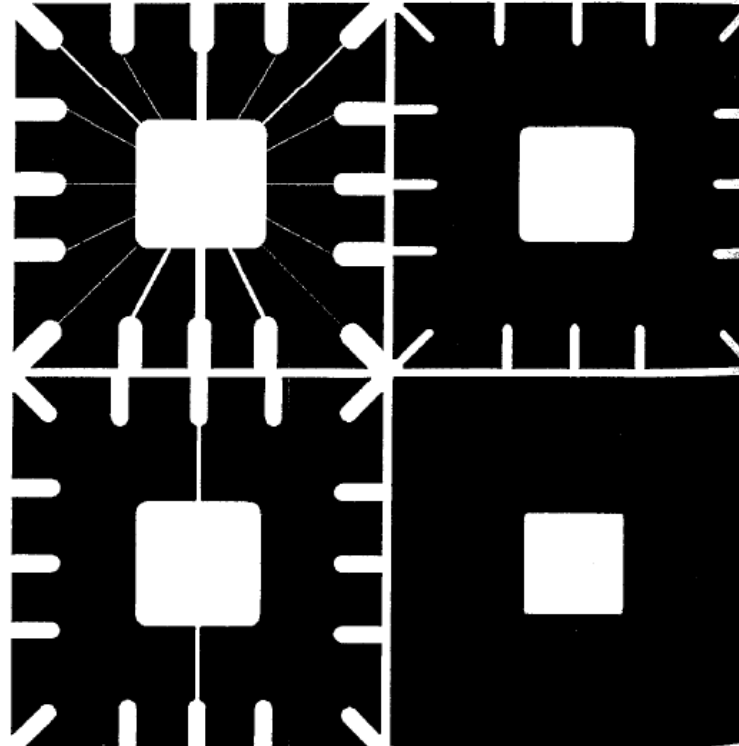
Historically, certain computer programs were written using only two digits rather than four to define the applicable year. Accordingly, the company's software may recognize a date using "00" as 1900 rather than the year 2000.



Questions and Practices

- 2. Erosion of “wirebond-mask.tif”;
1) PLS refer to Fig.9.8

a b
c d
FIGURE 9.8 An illustration of erosion.
(a) Original image.
(b) Erosion with a disk of radius 10.
(c) Erosion with a disk of radius 5.
(d) Erosion with a disk of radius 20.



Questions and Practices

- 3. Opening and closing of “shapes.tif”.
1) PLS refer to Fig.9.10

