sace a path from one member to all others)

Pixel-connectivity

Four-connectivity- exe assume a central pixel is only connected to its four nearest neighbours (north, east, pouth and exert)

Eight-connectivity- INE assume a central pixel may be connected to the four nearest neighbours (north, east, pouth and vestly and the four next nearest neighbours (likely NE, SE, SIXI, NIXI but not always)

We should be flexible in choosing a connectivity model, use whichever is best for the current situation

Commeded Component Analysis (CCA)

- A contiguous set of pixels that share some property is known as a connected For example, the regions of a binary image are each connected components. The process of finding these components is known as CCA.

Algorithm []
That pans

Work from left to right and top to bottom

1. If O neighbours have a label Pixel receives the next free label;

2. If 1 or more neighbours have the same label fixed receives same label;

3. If 2 or more neighbours have different labels Pixel receives one label, equivalence is recorded

Work from left to right and top to bottom

Relatel all equivalent labels