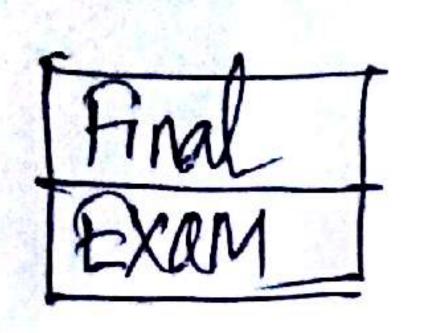
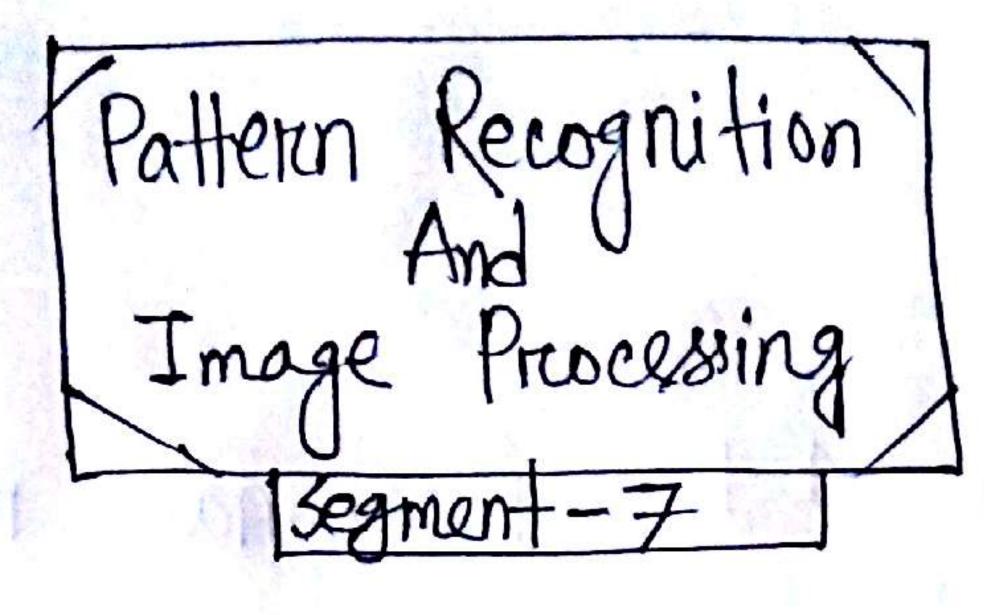
Pattern Recognition Image Processing Notes For Final Exam Prepared Noor Mohammed Anik





Repared by-Noor Mahammed Anik 10-03-2017

Define Runcode, chain code and signature?

Am: Runcode:

Runcode represents each tow of an image by a sequence of length that describe successive truns of black and white pixel.

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Runcode represents on (3,6,5,4)

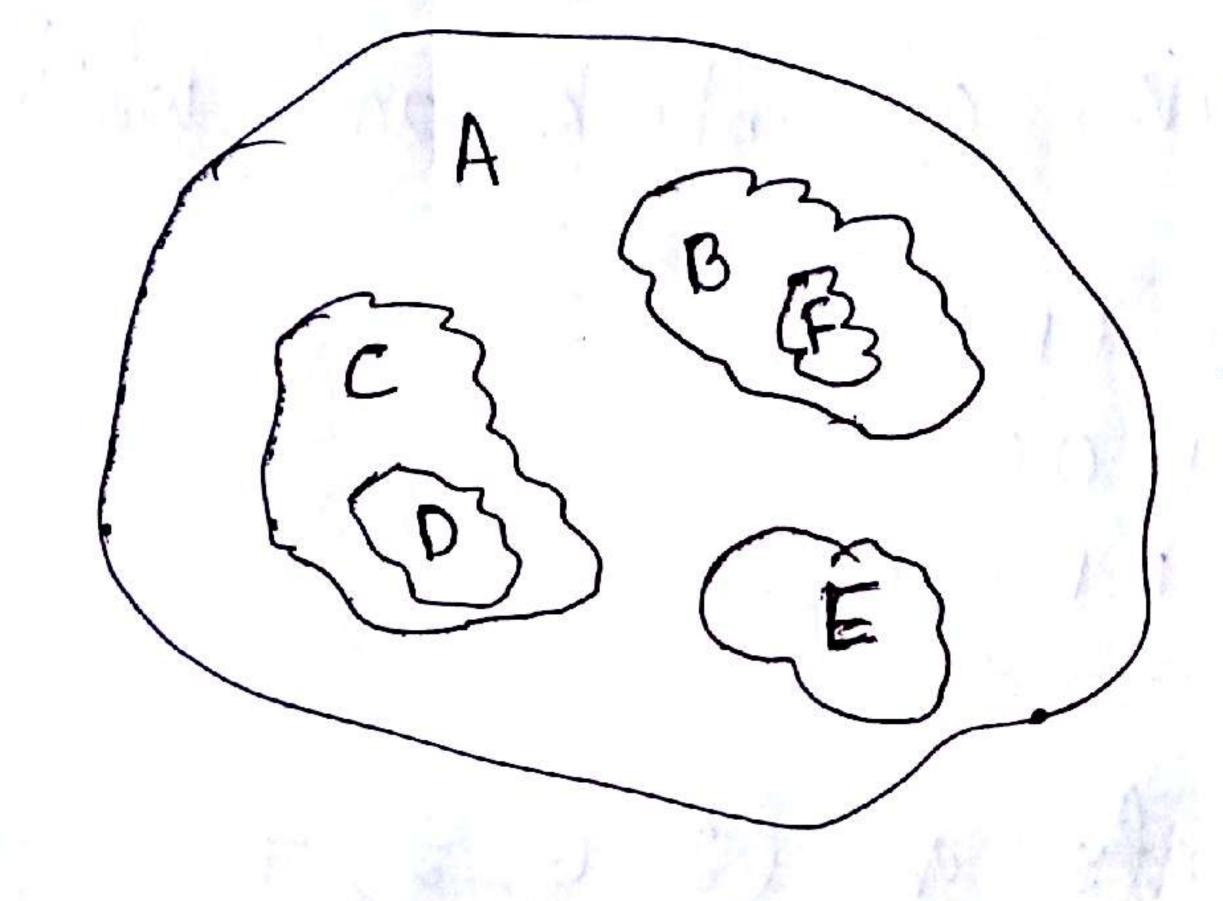
chain code

chain codes are used to represent a boundary by a connected sequence of straight line segments of specified length and direction.

Typically, this representation is based on 4 on 8 connectivity of the segments.

A signature is a 1-D functional representation of a boundary and can be generated in various way.

Describe the following regions using tree



Am.

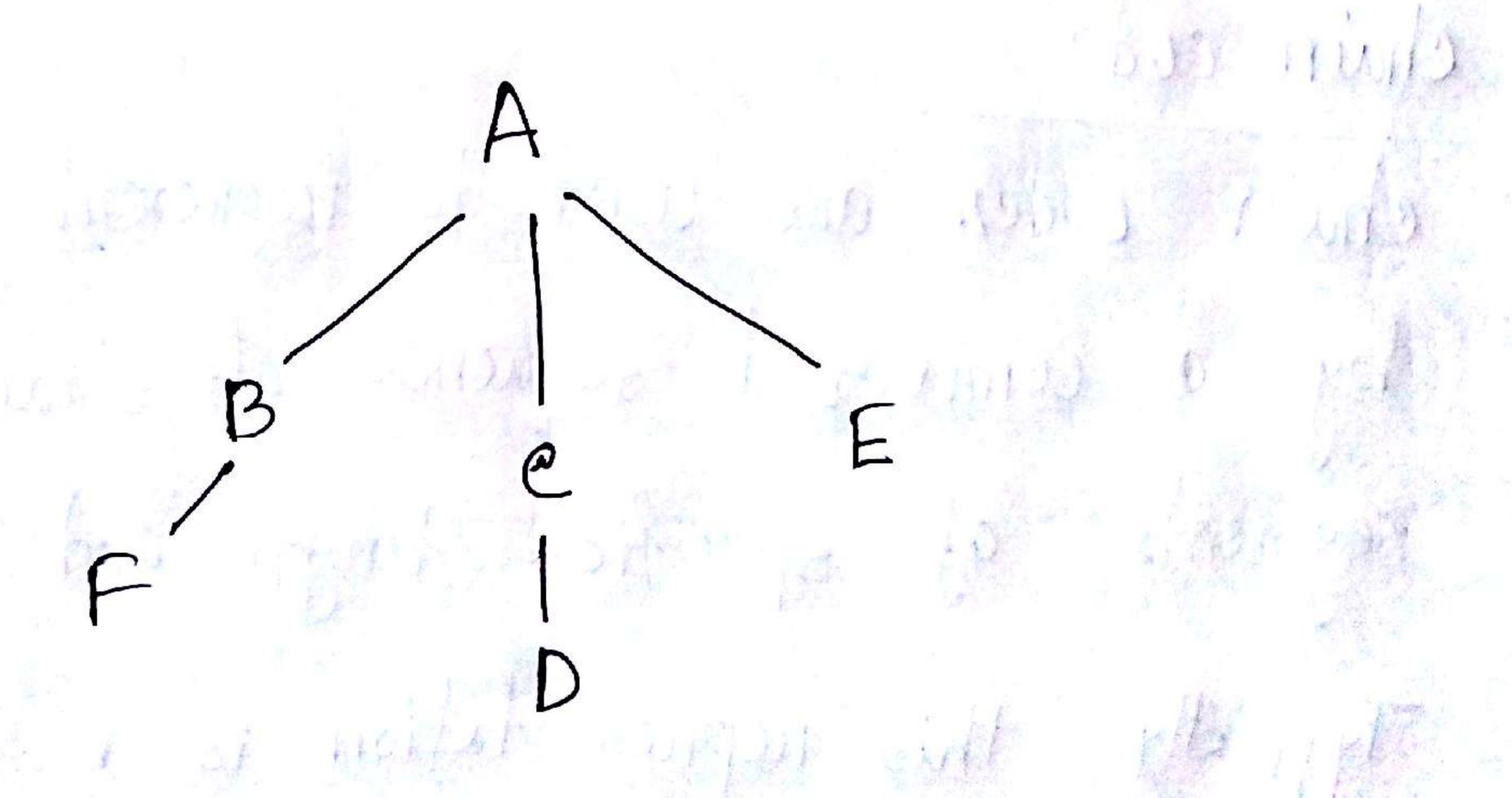
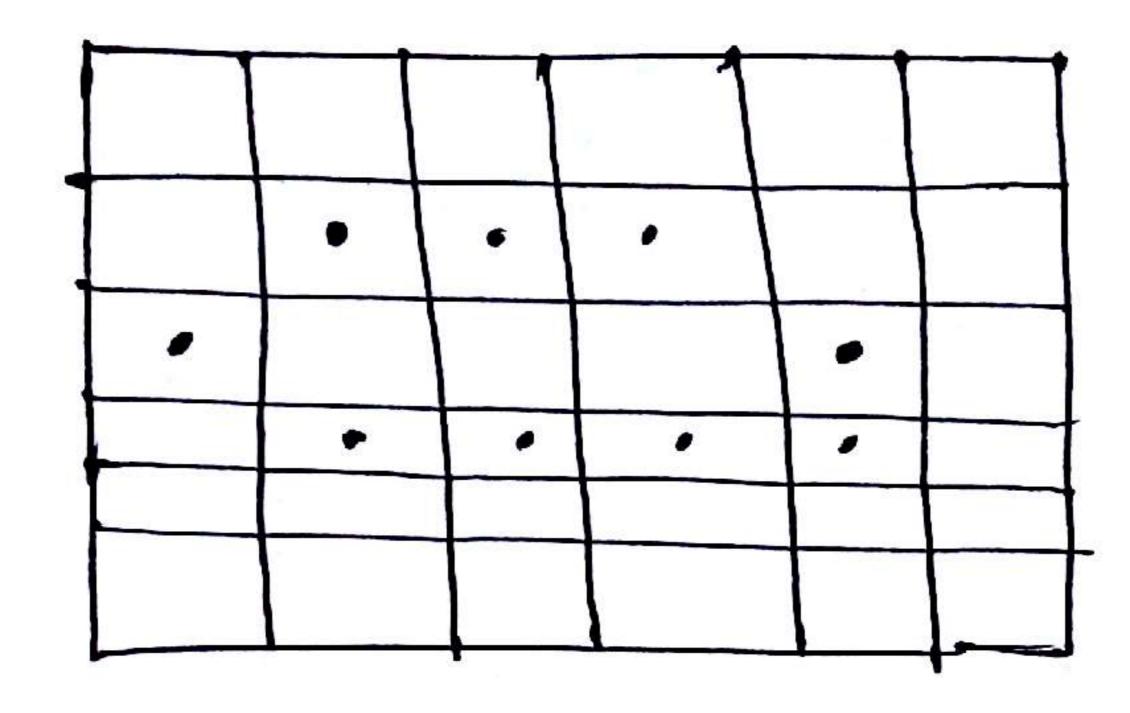


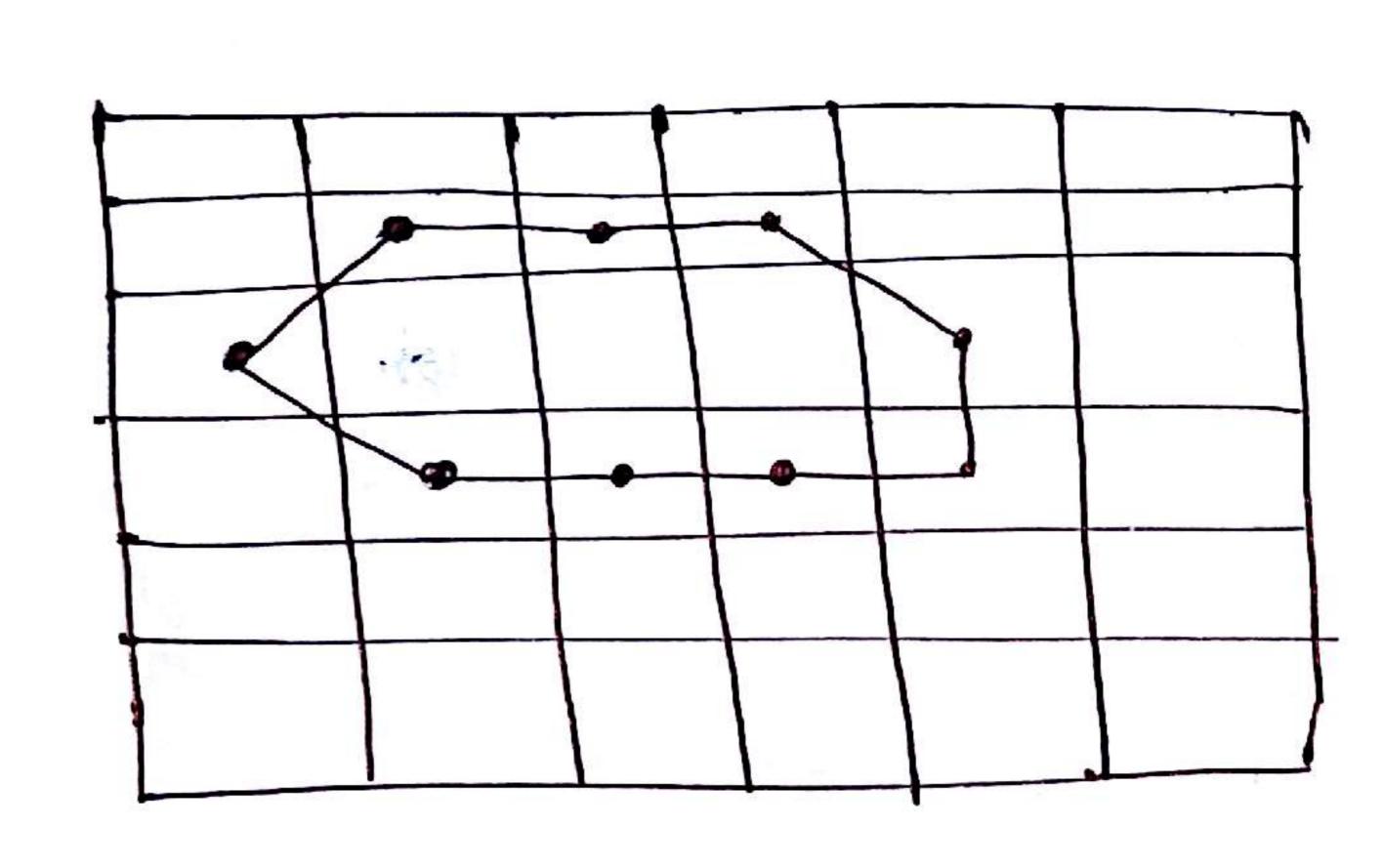
Fig: Tree representation of region.

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I Calculate the area, perimeter and shape factor using chain code.



Amo:



3 4 5 6 7

Chain cade: 007644431

Perimeter = even count + $\sqrt{2}$. odd count = $6 + 3\sqrt{3}$

ed by CamScanne

Value of
$$\frac{1}{3}$$
 $\frac{200c}{0}$ $\frac{Anca}{Arca = Anca + 3}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{$

Shape factor = -