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Image width = 2400 pixel
                                                                                                                                                                                            semi revite (e
                                        Image height = 2400 pixel
                                         Image sanned = 300dPi
               Physical size
                                                                       width = I width = 2400 = 8 nother
                                                                                                                       I. scanned 300
                                                                  theight = I. height = 2400 = 8 inch.
                                             J-Scanned I. Scanned
6) Applications
                                          1) space
                                          2) Medical imaging = thenot ato9
                                     3) Finger print predicition
                                        9) weather predicition 109-111
                                       3) Industry
                                       e) screening of x-xous
 6) Digital image Representation
               P(x,y) = \begin{cases} f(x,0) & f(x,1) & f(x,1-1) \\ f(x,0) & f(x,1) & f(x,1-1) \\ f(x,1-1) & f(x,1-1) & f(x,1-
                                                . mny.e
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3120(9) enanger of the prising 1211 (D)(1) 0 12. 1, 4-path: - By using 4-adjacency we cannot make a path from p to q using the Values {0,1} given in V. limble stones in to sum of (stops here cannot reach a as it is not in 4-adjacency) Andrews Academy (1) 13 8-Path - as through 8-adjacency i.e. including diagonals we have a path from P to 9 so Broth exists (0,1) (P) 1 - 0 - 000 (Shortest path) is noopeday -> Path-length is 4 iii m- path !-(08)

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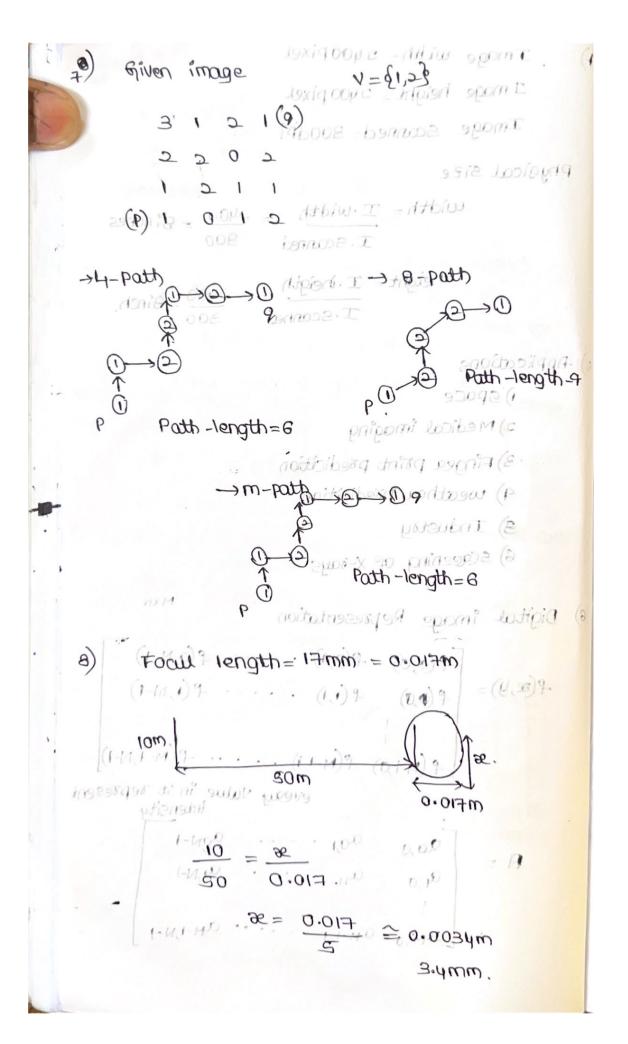
(08)

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(08) & - Topogosio apports If we are able to draw path using 9-adjacency you can continue when ever we need to go diagnal check

for the second condition



: Octob rodold (0) 9 00100 Back ground intensity 90 0.0 (Definitions from Short n Short nates) TA - Octor redelile 1. H-adjency: P and 9 yeatex 9 should be in NA(P) (A) his present in Na(b) it is not 4-adjancy of book 11, 8-adjency: - Pland 91, vertex of should be in Ma (P) 21 marsh in Na (P) it is notion instead by it is notion instead by it is notion instead as a conjectific from point in Na (P) it is notion instead as a conjectific from provided the second primary of the second point of tilineth-adjacercy pitonimulli bruospysoa has (86) (9) Milling of promination n(a) the set N4(b) and the set N4(b)n accommon Mg(P) has no ment pixel value from 80ig a-False (not 9-adjency) b - 9 19 in No(P) N4(P) - 90,13 Na(9) - 10,19 NA(P) NH(Q) = {0,1} AS IEV O It is not m-adjace -ncy

10) Weber ratio:

-> Back ground intensity I

=> Smallest noticeable change in brightness AT

 \rightarrow Weber ratio \rightarrow ΔT

small value of AT implies, small %

900d brightness discrimination

Toge value of AT simplies , loage of

change in toters is sequired for discrimination sepresenting poor brightness discrimination

-> Background illumination is high then it

19 De The Background Allumination is low then it

Que o. False (not 9-adjency)

(a) ou niet p - d

91,0 g - (9) pl

1.0% . (DAM

21.03 : (8) MA (9) PM

0 V21 30

solom ton e' H