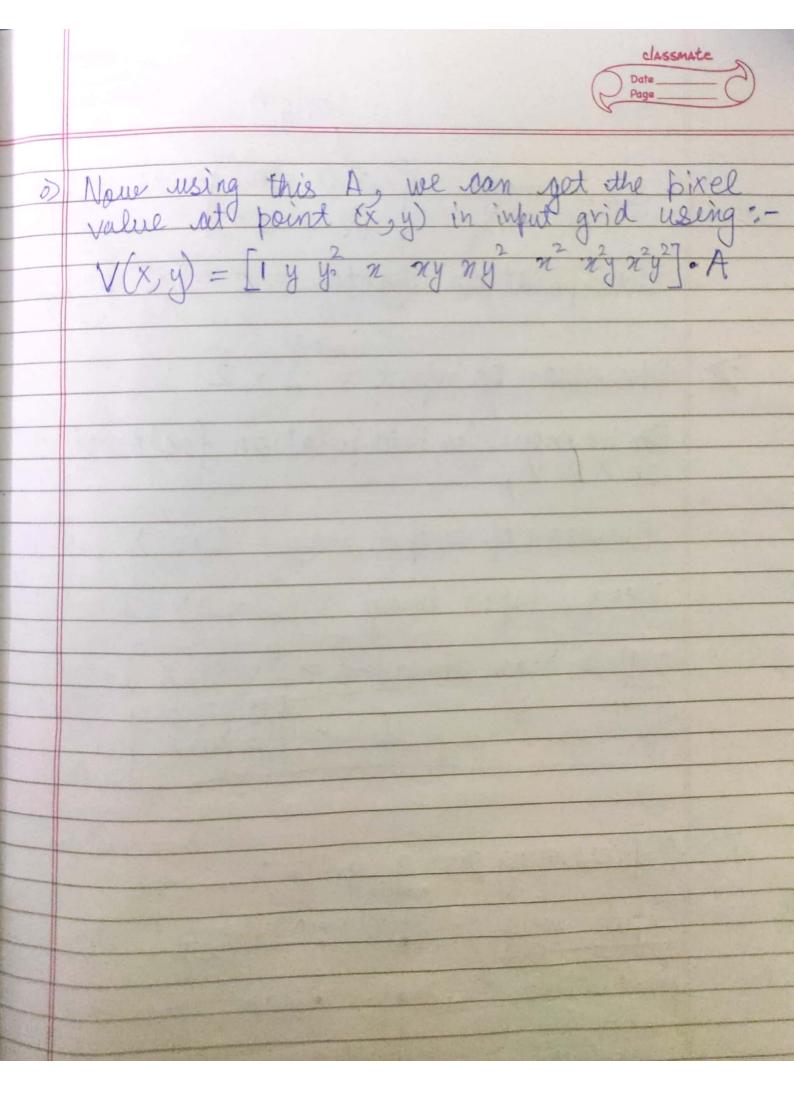


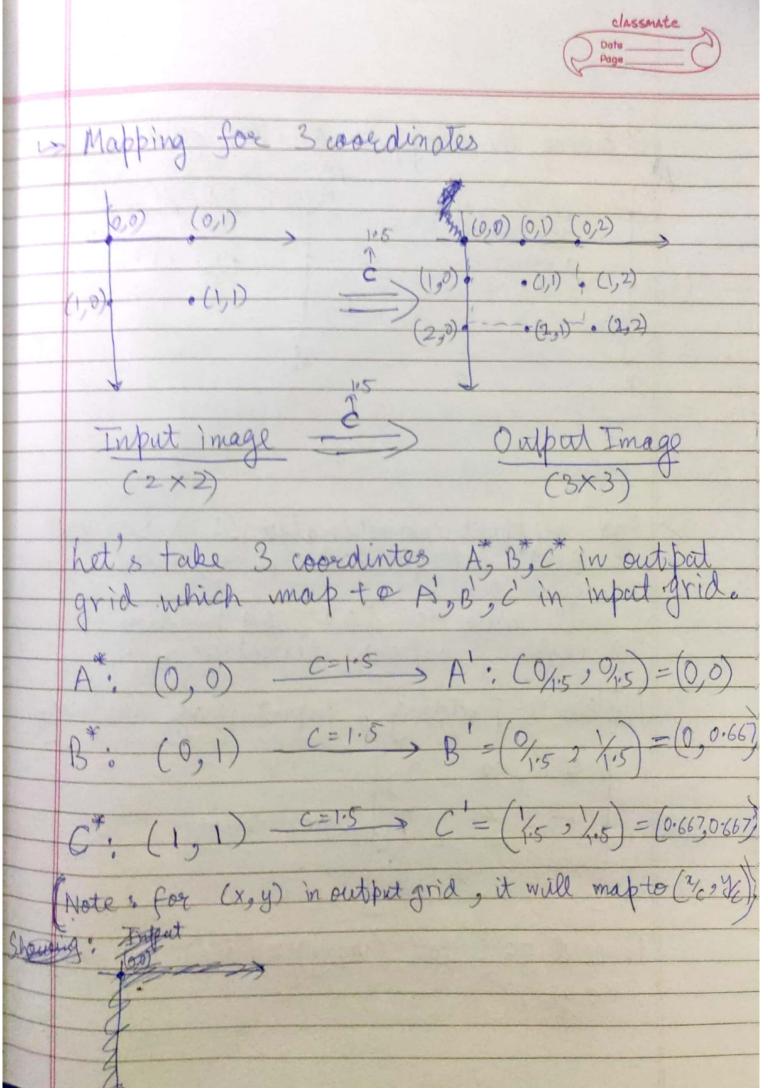
Classonate Date Page	TO 89 VS	, Ve :	alue 27 [1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	of day 3 4 45 46 47 88	3 7 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	N. N2 N3 XY N5 N6 N9 N8	21 72 42 75 76 75 76 75 76 75 76 75 76 75 76 75 76 75 76 75 76 76 75 76 76 76 76 76 76 76 76 76 76 76 76 76	2 2 2 2 2 3 2 4 25 2 3 3 3 4 25 2 3 3 3 3 4 25 2 3 3 3 3 3 4 3 5 3 5 3 5 3 5 3 5 3 5 3 5	22 23 2 1 2 2 2 2 2 2 2 2 2 2 8 2 2 2 2 2 8 8 2 2 2 2 8 8 8 2 2 2 2 8 8 8 8 2 2 2 2 8	24 22 33 24 25 26 27 20 24 25 26 27 24 27 27 24 27 27 27 27 27 27 27 27 27 27 27 27 27	3 4 4 4 5 5 5 5 7 2 4 8 8 7 5 5 5 5 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5	2 22 25 24 25 26 27 N8	a	20 21
C				1 40	18	Ng Ng		1683	8 N8	2 7	8 48 2 39	No yo		

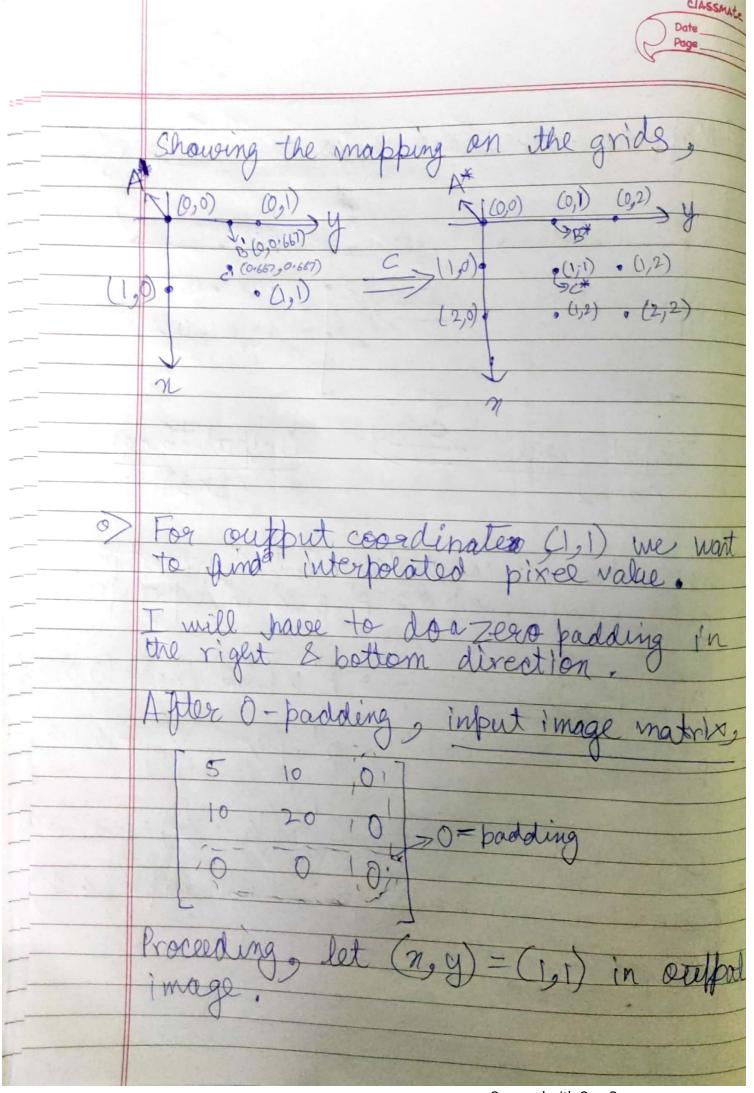
classmate The 9 points are last form (4: 4:) We have V, X and we can get the coefficient mostrix. Using eq. (2) we can get the coefficient Note: The case of bi-quadratic interpolition, the method we hollow is as follows: To The want pixel value at point (x, y in input image, we find 9 points

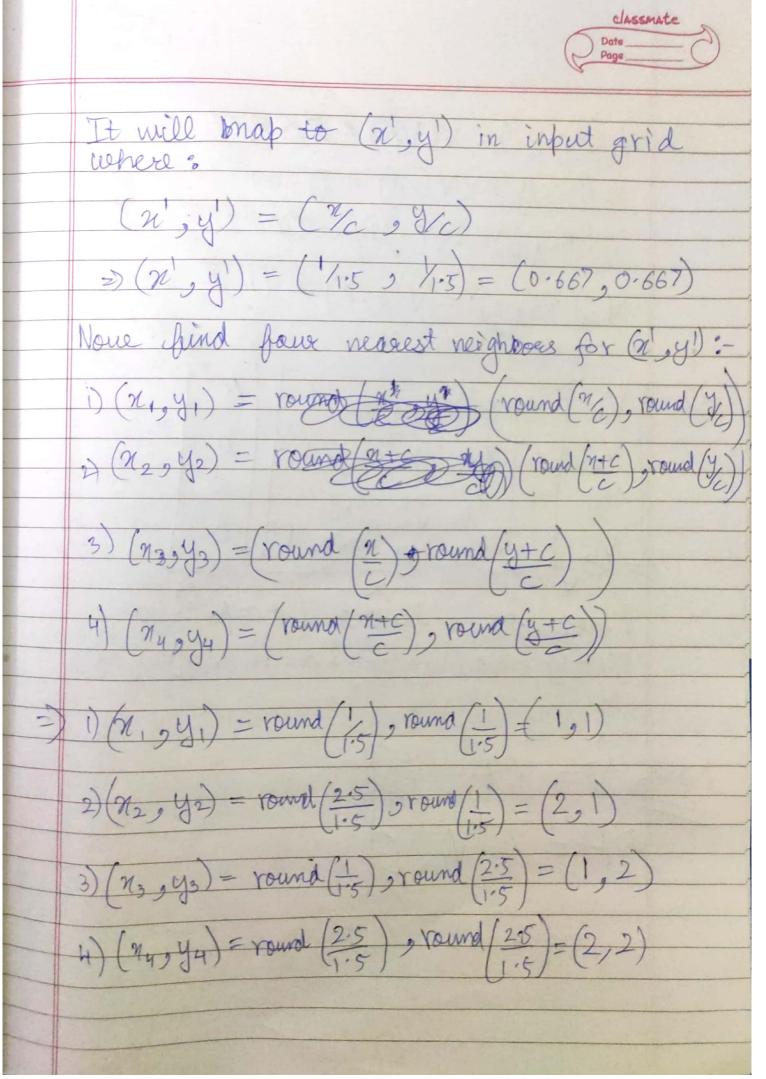
(x, y) (x2, y) - (x9, y9) which are
the 9 mags mesent neighbours and sel the pixel value V, V2 - Va atthose, Then we form V&X as shown above & calculate coefficient matrix A

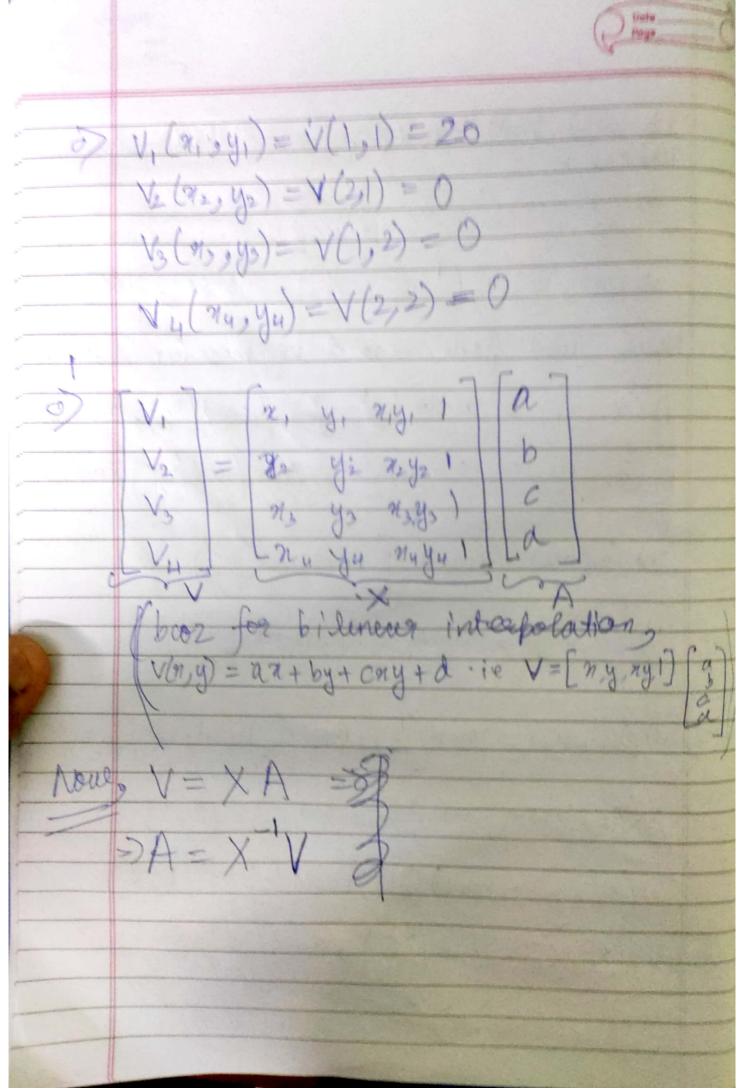


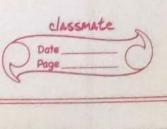
origin on X&Y, Dimension of output image = (2xc) Here, input image = image dimensions = (2x1 V(0,0) = 5 V(1,0)= 10











De constitution de la constituti
Trus here,
[a] 1111 20
6 - 2121
0 1221
$\Rightarrow [a] [-2 2 1-1] [26]$
b = -2 1 2 -1 0
1 -1 -1 1 0 H -2 -2 1 0
=) 9 [-40]
20
[4]
¿ We now have coefficients, (a, b, c,d)
so we now have coppered to
00 V(n,y) = an+by+cny+d = -40n-40y+20ny+8
For, (n,y) = (0.667, 0.667)
100,000 (1000) +80
9 V (n', y') = (40) (0.667) - 40 (0.667) +20 (0.667) (0.667) +80
=> \(\( \( \frac{1}{2} \) \( \frac{1}{2} \) \( \frac{1}{2} \) = \( \frac{1}{2} \) 35 \cdot 537
Thus bus (1,1) make to (7,9) in inbut grid,  Indespolated pixel value for (1,1) is 35.537
Thus pas (1,1) maps 10 (1,1) is 35-537
Interpolated pines in the

