181105016 Deeproy Duscu MTWTFSS

Page No.: YOUV CG Tutorial - 7 Pi (10,30) P2 (80,90) Main, youn = (20,20) Mman, yman = (90,00) Find region codes: Region woder of P1: bif 1: n-nnin = 10-20 = -10 :. bit 1 =1 Bib 2: mmore - M = 90-10= 80 .. 662:0 lût 3: y-ymin = 30-20=10 :. bit 3 20 62 f 4: yman -y = 20-30 = 40 :. bit 4 20 ... Region Code (P1) = 0001 Regim code / P2: bibl: Mp-71min = 80-20260 :. 12 t 1 = 0 1: 62: Mmar - 2 = 90-80 20 :. bit 2 = 0 mits: y-ymin = 90-20 = 70 : bif 3 2 0 bit 4: ymax-y = 20-90 = -20 :. bit 4=1 .. Region Code (P2) = 1000 1000 + 0001 = 0000 .. line is invide the bonday. M: 90-30 = 6/A

To find top edge M = no + gman of - go

6/3

To find left edge g = go + m (n-no) = 30 + m (20-10)

= 30+6/2×10= 38.67=39

i. Line regnest in clipping 3, from (20,34) to (53,30)

91 (10,0)

02 (80,90)

Mmin 1 ymin= (20,20)

Muas , ymas = (90,00) Region 414 1 91 = 0110

Regim hils J Q 2 = 1000

The lines are not completely devide on outside the dipping window and the points do not fall on the boundary

Texting for internation points.

 $\frac{m_2 y_2 - y_1}{m_2 - n_1} = \frac{90}{90} = \frac{9}{9}$ 

(y-y1) & m (n-n1) y = 9/1 n - 9/1/10

7y = 9n -90

7 y 2 9 x 20 90 = 90

y = 90/9 = 12.8 < 4y min

i. Left Bonday does not interest

y = yrin 8 x 20 +96 = 9x , n = 29. 5

nin < n < nmas : Bottom edge intersubs

To find internation at top edge, sedy = g mos

:. L'u segnent en clipping window is (25.55,20) to (64.44