<u></u>	Anchol Tonk
	Course: BCA 6+hA
	ROU NO : 1121017 Subject : Computer Graphics & Animation (10b)
4	Set A
P1:	Step 1: Start Algorithm
	,
. —	Step 2: Declare 21, 41, 22, 42, da, dy, 2, y, as integer variables!
	y, as integer valuables!
	Step 3 : Enter value of 24, 41, 22, 42.
	y official and a second
	Step4: Calculate dx = 22-2,
	S. B. C. Karal
	Step 5: Calculate dy = y2-y1
	Step 6: If ABS (dx) > ABS (dy)
	Step 6: If ABS (dx) > ABS (dy) Then step = abs (dx)
٠	else
	Step 7: nine = dx/step
	y : nc = dy / step $assign x = x,$ $assign y = y,$
	asign of = x,
	assign $y = y$
	Steb 8 : Set pinel (x,y)
	Step 8 : Set pinel (x, y) Step 9: x = x + xine
dara	u = vtuc.
	Set pinels (Kound Cx), Round (y))
1	princia ( nourie cros nouries cross
	Steb 10: Report Steb 9 until ~ - 7
n -	Step 10: Repeat step 9 until x= 12 Step 11: End Algorithm
	Step 11 2 Cru Trys monm
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Date\_\_\_ Page No. Hinclude TStellio. A7 # include < graphics. h> int rou (gloat num) return num<0? num-0.5: num+0.5; int x1 = 100, x2 = 250, y1 = 100, y2 = 250, step; int gd = DETECT, gm; float x, y, m; int dx = x2-x1; int dy = y2 - y1; mathematical m = dy/dx; if (dx >dy) to 1-2 Duried Has Step = dy; bash & 8 1942 init graph (Agd, Lgm, ""); outtesting (27, 41, A'); n=x1, y=y1, RED); Si fiel (step >0) X= X+1;

if (m>=1) x = x+1/m; y= y+1; putfrinel (rou(x), rou(y), RED); Step-; Step-; get ch (); Voeturn O;