- (Digital Differential Analyzon) - In Screen Consist of pixel. Every Pixel Consist of (x,y) Values. Starting Cp.9)	DDA Line Drawing Algorithm:
- In Screen Consist of pixel. Every pixel Consist of (x,y) values. Starting (x,y) values. (x,y) DDL Agron used to find the intermediate point. Y = mx + c m > slope yk+1 m = 12-11-> yk. Slope = (x1,y1) (x2,y2). if the & points are, (xk, yk) I han next point is (xk+1, yk+1) I har slope is	- (Digital Differential Analyzon
Starting (20,4) DDL Agron used to find the intermediate point. Y = mx + c m > slope NK+1 m = 12-11-> yk. Slope = (x1, 1/1) (x2, 1/2). 17 the 2 points are, (2K+1, YK+1) I-he slope is	To Had intermediate points
Starting (20,4) DDL Agron used to find the intermediate point. Y = mx + c m > slope NK+1 m = 12-11-> yk. Slope = (x1, 1/1) (x2, 1/2). 17 the 2 points are, (2K+1, YK+1) I-he slope is	Every pixel Consist of pixel.
Y = mx + e. $m \rightarrow slope$ $yk+1$ $m = \frac{12-y_1-y_1}{2-y_1-y_2}$ Slope = $(x_1,y_1)(x_2,y_2)$. If the 2 points are, (x_k,y_k) Then next point is (x_{k+1},y_{k+1}) The slope is	Starting CP:9) CP:9)
$Y = mx + e$ $m \rightarrow slope$ $y = y + e$ $m \rightarrow slope$ $y = y + e$ $y $	(20,4) DDL Agon Used to find the
$m = \frac{12-11-5}{22-21}$ Slope = (21,11)(22,1/2). if the 2 points are, (2k, 4k) Then next point is (2k+1, 4k+1) The Slope is	Y = max + e
Slope = (21, 41) (22, 42). if the 2 points one, (2K, 4K) Then next point is (2K+1, 4K+1) The Slope is	$m = \frac{12 - 1}{2} \frac{1}{2} 1$
(2K+1, YK+1) I han novet point is (2K+1, YK+1) I han Slope is	Slope = (21, 41) (22,42).
(2K+1, YK+1) 1=ha Slope IS	
$m = \frac{1}{2} $	(2K+1, YK+1) I hat Slope IS
	$m = \frac{\sqrt{K+1} - \sqrt{K}}{\sqrt{K+1} - 2K}$

on = JK+1 -JK ZK+1 - ZK-> prosent point (resployed loids next point To find intermodiate point, In DDA algen to remember cases: (xxx) volumes. case (19) Gif (m<1) -20 min Jac unit intorval. changes i Doekti = Dext 3+30m=+ Suffix YK+1 - YK 2K+1 - 2K e & point are = 7x+1-4x 9K+1 = 1/K+m (14) JK+1 = YK+m

case: 2 1. coloute shope, on 1<00 4 - Unit interval 1 yx+1 = yx+1 D on = YxAIT YK (1+xx) - (1+x+x) 2K+1 - 2K (King) } & 2ex+1-2ex = 1/00 2K+1 = 2K+ 1/00 (8K+1) = (8K case: 3 = 100 fi of 284 > Unit interval. Dert1 = Dext1 JK+1 = YK+1. (Ital Italy) Base on those formula to find out rerouining points.

Case: 2_ DDA: 6 1. calculate Slope, m. 4 2 . If mx1 2 - changes in unit interval Y- moves with deviation. (2K+1, YK+1) = (2K+1, YK+m). 3. if (m>1) ze moves with deviation y movos in unit intervals (2K+1, YK+1) = (2K + 1/00, YK+) 4. if m=1 28y moves in Unit Intervals. (2K+1) YK+1) = (*K+1, YK+1). Barge on thase formula

. Strad and on the points.

$$m = \frac{5-0}{4}$$

Y> moves în Unint internal.

$$2\kappa+1=2\kappa+1/m. \Rightarrow calcule$$

$$3\kappa+1=3\kappa+1.$$

$$m = 5/4$$
.

X	4	2-Plot	1-Plo-	+ (cx,4)
0.	trion be	< 00	100	(0,0)
(0+.8)	1,	Reved	Circus:	(1,1)
1.6	2	2 up pos 2 up pos	2/	(2,2)
2.4	3	2	3	(2,3)
3.2	4	3	4	(34)
4	5.	4 /	5	(4,5)

0,0 (1,1) (2,2) (2,3) (3,4) (4,5)

Draw back:

Round Function,

* Increase the Computation.

1m=4=0.8