> Computer	Graphic	S			-50
The state of the s		100	* Lei	ture 3*	
Ellipse drawing Algorithm:-	10		(4,0)	to	4
Equation of ellipse: $\frac{\chi^2}{r^2\chi} + \frac{y^2}{r^2y} =$	10			(a) (a)	2
	rg²	Lucy A	MET	(0,0)	at Beco
- Can't be used in graphics. « de		ito m	iany ope	rations.»	1820
, At Center of ellipse + (0,0)	-> Equation	n: (1-2	(c)2 + E	$\frac{1-J_0^2-1}{r^2y}$	H SIGK
So, we'll use this Algorithm:	-(父, 生)= 慢生	2 r ² x ² .	1219		
So, we'll use this Algorithm: At F(x,y) = 0 + point in point in point in point in point in point in the poin	on elipse.	olyse	TABIC	dem.	m" slam
The allows has similarity oran	ouisiae elipse entr So We	Can	The	(-25)*	*(1,9)
The ellipse has Similarity prop get 3 quarters from one quarte	T. AMI	3	2	(-1,-1)*	*(1,-4)
> we divide it into two regions:	216	5	8	2 44 3 208	
1 region	2 nd Vegion	A	100		1 2
→ 2++	> y	A ala so			
> Y \ No Change decreouse	>25 N	b change Increase	2		

* Rules:-2nd region 1 region 1) last point in region 1: (xo, yo) Set (0,19) 2) 尼= 時(石+1)+降(了-1)上度月 2) 10=19-1克9+1克 3) At Px>0 , a doesn't change -> y--, (ax, yr-1) -> Px+1=Px-212/x+1+12 3) At R<0 \rightarrow Y doesn't change. $(2\kappa_{+1}, J_{K})$ $\rightarrow P_{K+1} = P_{K} + 2r_{g}^{2} 2k_{H} + r_{g}^{2}$ At PK>0 -> J decreases by 1. (241, 1/2-1) -> PK+1 = PK+21 JK+1-21 JK+1+129 , At $Pk < 0 \rightarrow \infty$ increases by 1 > (TK+1 JK-1) ->PK+1=PK+219 2K+1-212/K-1 \rightarrow At 21gd \gg 21gd \rightarrow Stop. > Atpoint (12,0) -> Stop. * Example "midtern": Draw ellipse of 12=8, 19=6 > 1 region: 219 XKI JK+1 0 -332 768 144 6 _224 216 768 2 _44 640 288 3 208 640 360 4 - 108 512 432 5 288 384 504 6 244

2nd region: Starts from point (7,3)

K	R	241	YKI	21 4 XKJ	212 year
0	-23	8	2	576	- 256
	361	8		576	_ 128
2	297	8	0		

«3»