*	K - 200	ean :-		30 modella	341913	-30.7
1.	44.34	2 01	11 22 22	0 000		
	58.	X	У	K = 2		7 7
- 17	7	7.0	7.0	Tniti		troid
1	2	7.5		K1 =		
	3		4.0	K2 =		
3	4	5.0	7.0		3 . A	3.8
	5	3.5	5.0	88.0	0.7	
	6	4.5	5.0	88.8	2.0	20
	7	3.5	4.5			

Data	Points	Distance -	cluster
x _c	y _c	1.0 7.0 5.0 7.0	
57.015	1.0	0 7.2	5037
1.5	2.0	1.11 6.1	I
3.0	4.0	3.6	0.81
5.0	7.0	7.2	18.112
3.5	5.0	4.7 2.5	0.82
4.5	5.0	5.3 2.0	2
3.5	4.5	4.3 2.9	3.82

$$ED = V(x_0 - x_c)^2 + (v_0 - v_c)^2$$

$$= \sqrt{(1-1)^2 + (1-1)^2}$$

New centroid K1 = (1.83, 0.33)

 $K_2 = (4.72, 5.37)$

	Data	Points	Distance.	2 30305	cluster	New
			1.83 2.33	4.12 5.37		tex
	1.0	7.0	17.56	5.36	ヿ	1
	1.5	2.0	0.46	4.26	7	コ
	3.0	4.0	2.03	1.76	1	2
	5.0	7.0	5.64	1.85	2	2
	3.5	5.0	3.14	0.72	2	2
	4.5	5.0	3.77	0.53	= 2	2
	3.5	4.5		7.06	2	2
1		7.5	2.73	1.00		-

New centroid

K1 = (1.25, 1.5)

K2 = (3.9, 5.1)

	13 7				
Data	Points	Distance	0.5	cluster	new clus
	1.3	7.25 1.5	3.9 5.1	2.0	468
1.0	7.0	0.55	5.02	1 8	1
1.5	2.0	0.55	3.92	1	ュ
3.0	4.0	3.05	1.42	2 -	2
5.0	7.0	6.65	2.19	2.1	20
3.5	5.0	4.16	0.41.	2	2
4.5	5.0	4.77	0.60	2	2
3.5	4.5	3.75	0.72	2 03	2

Wholeson with

1880 88,57 864

(AF A . OF . 12) 3 0X

*	K-V	Nedoid	15 %	- wit proffuse to		IN.	17.7	
	3							
	58.	X	y	K=2				
	0	8	7	CI = (4,5)			0	
	7	3	7	$c_2 = (8,5)$				
	2	4	9	11			1.	
	3	9	6	11				
	4	8	5			1,		
	5	5	8					
	6	7	3					
	7	8	-4	2) A POLENTY		100 17	1010	
	8	7	5	CA .				
	9	4	5					
	4200	300	91-16	9 . 6805 0090 :	220	0 0,	112	

100			The second second				
1	58.	X	У	Dissimilarity from C1	Dissignilarity from (2)		
	0	8	7	6 1(8-4)1+	0 1(8-4)+		
	1	3	7	3	7		
	2	4	9	4	8		
	3	9	6	6	2		
	5	5	8	4	6		
	6	7	3	4	3		
	7	8	4	5	7 1		
	8	7	5	3	-		
1	0 1				1		

$$C_1 = C_{1} = C_{1}$$

58.	X	У	Dissimilarity from cz Dissimilarity from cz	
0	8	7	6 3	-
4	3	7	3	-
2	4	q	9	
3	9	6	3	
4	8	5	4 7	
5	5	8	4 . 7	
6	7	3	5 2	
8	7	5	3 2	

New cost = (3+4+4) + (3+3+1+2+2) = 22

Swap cost = New cost - Previous cost = 22 - 20

relientesia to av 2º Ustro Parisaga y

13

13 8 3

2 4 9 5

62,43

(11, 2) - 02