Mark day and American Control of the		A STATE OF THE STA	A STATE OF THE STA	September 1999 Tree
Problem #1:				
			. / 1	
let initial centroids	bei	K1- 3,4	K2= 6, 7	-4/2
	dian D	stance.	1 (23-41) 2 (12 1/1
Market 1 mar			elust	
X . 7	1,	<u> </u>		
2 3	1.41	5-65	- +	
3.1 40.8	0	4.24		
5 6	2-82	1:14	K ₂	
7	4-24	0	4	
2 9 9	7.07		K ₂	
	* 1.	a de la company	i - 18. S.;	1
FOX K1: 1 (3-2)2+ (4-3)2 = 1.1	41	5-3) + (6-4	122182	-
(6-3)2+17-4)=	4.24	8-3 + (9	4)2=7-07	2
1.5			7	3
FO(1/2: 1/2-6)+(3-7)=5.	65 JL	3-6)4(4-	7)=4-24	1 2 V.C.
$\sqrt{(5-6)^{2}+(6-7)^{2}}=1.1$	14,51	8-6)2+(9-	7)=2.82	
Son new clusters are	•			-34.00
$\frac{1}{2} = \frac{1}{2} = \frac{1}$				
$\left(\begin{array}{c} 2 \\ \end{array}\right)$)		
K2-15+6+8 6+7+	9/ / 6	,35, 7.33	5	
K2-(5+6+8,6+7+ 3)-(•)	

W-100-100-100-100-100-100-100-100-100-10		-			The second secon
×	Y	le,	K ₂	cluster	
2.	3		6.12		
2.5	3.5	0.707			
	6		1.88		
5			•		
6.22	4.35	4.14	0.46	<u></u>	
2	9	7-77	2.36	k.,	
50	on cle	utox	are sar	ne. 50 pur	cluste
	ned are				
	- /2.5	•	ادء	= (6.33, 7.	33)
/		7 3 9	-	,	