ECE A21 Hor	memork 7				
Name: Mark C					
Student JD:	100676464	5			
Question $ $ $K = 2$					
	0.5	, 0.5	+ ^	1-5	+ / }
	a proble	m pavam	eter		
Part A,					
let \(=	0.5				
$M_1 O = 1$					
$N_b O = 2$ $N = 4 O$				7	
D - 1 0) 0.5 B ()		, 2.0	J	
	Nh ()				
	142 ()				
Step 1,					
0 0-	5 1.0	2.	0		
	B ₁	= 5	, 0.5	1	7
M_{1} M_{2} M_{3} M_{4} M_{2} M_{3} M_{4} M_{2} M_{3} M_{4} M_{2} M_{3} M_{4} M_{4} M_{4} M_{2} M_{3} M_{4} M_{4	B 1	$=$ $\left\{\begin{array}{c} 0 \\ 2 \end{array}\right\}$, () }) -	

Ste Bi Ba	2p -	<u></u>		0 2)		5))	- ()	}			
Mi			3) +		- 5			0)				
		_	3		-5) =	0	- 5						
Ha.		=	() 。())	_	2 -						
Co	nve	rge	9											
B ₁		=		0 2)		.5	J)	- ()	}			
		=	0											

Part B (i) Observati	9							
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smart		, ,						
Pick	= \		, E	> 0 5 t	then c	our da 2-5	taset is	}
The cluster B ₁ = B ₂ =	s becar { 0	ne , 0	£,	2-5	3 +	3		
M1 1 =	2	0 +	0.5)	= 1				
Ha 1 =	2(1-	5+8	.+2.	5+8) -	2+	6	
If / ~)	We cc	unnot h	area	new ce	nter		