	INDEX	INDEX
DATA	KEMISKINAN	KEPARAHAN n
	(X)	(Y)
1	1	1
2	4	1
3	6	1
4	1	2
5	2	3
6	5	3
7	2	5
8	3	5
9	2	6
10	3	8

Langkah 1 menentukan centroid				
Data	X	Υ		
2	4	1		
4	1	2		
6	5	3		

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INTERASI :	1
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Data	Х	Υ	C1	C2	C3	Min	Cluster
1	1	1	3	1	4,472136	1	C2
2	4	1	0	3,162278	2,236068	0	C1
3	6	1	2	5,09902	2,236068	2	C1
4	1	2	3,162278	0	4,123106	0	C2
5	2	3	2,828427	1,414214	3	1,414214	C2
6	5	3	2,236068	4,123106	0	0	C3
7	2	5	4,472136	3,162278	3,605551	3,162278	C2
8	3	5	4,123106	3,605551	2,828427	2,828427	C3
9	2	6	5,385165	4,123106	4,242641	4,123106	C2
10	3	8	7,071068	6,324555	5,385165	5,385165	C3

hitung jarak tiap data terhadap centroid kelompokkan data ke centroid terdekat tentukan centroid baru tiap cluster kembali menghitung jika posisi cluster beda

entroid baru

Data	Х	Υ
C1	5	1
C2	1,6	3,4
С3	3,666667	5,333333

Langkah 1 menentukan centroid					
Data X Y					
2	4	1			
4	1	2			
6	5	3			

<b>C1</b>	Data	X	Υ
	2	4	1
	3	6	1
	RATA	5	1
C2	Data	X	Υ
	1	1	1
	4	1	2
	5	2	3
	7	2	5
	9	2	6
	RATA	1,6	3,4
С3	Data	Х	Υ
	6	5	3
	8	3	5
	10	3	8
	RATA	3,666667	5,333333

<b>INTERASI 2</b>	
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Data	Х	Υ	C1	C2	C3	Min	Cluster	Ket
1	1	1	4	2,473863	5,088112	2,473863	C2	sama
2	4	1	1	3,394113	4,346135	1	C1	sama
3	6	1	1	5,011986	4,921607	1	C1	sama
4	1	2	4,123106	1,523155	4,268749	1,523155	C2	sama
5	2	3	3,605551	0,565685	2,867442	0,565685	C2	sama
6	5	3	2	3,423449	2,687419	2	C1	beda
7	2	5	5	1,649242	1,699673	1,649242	C2	sama
8	3	5	4,472136	2,126029	0,745356	0,745356	C3	sama
9	2	6	5,830952	2,630589	1,795055	1,795055	C3	beda
10	3	8	7,28011	4,808326	2,748737	2,748737	C3	sama

hitung jarak tiap data terhadap centroid kelompokkan data ke centroid terdekat tentukan centroid baru tiap cluster kembali menghitung jika posisi cluster beda

entroid baru

Data	Х	Υ
C1	5	1,666667
C2	1,5	2,75
С3	2,666667	6,333333

Langkah 1 menentukan centroid				
Data	Х	Υ		
2	5	1		
4	1,6	3,4		
6	3,666667	5,333333		

<b>C1</b>	Data	X	Υ
	2	4	1
	3	6	1
	6	5	3
	RATA	5	1,666667
C2	Data	X	Υ
	1	1	1
	4	1	2
	5	2	3
	7	2	5
	RATA	1,5	2,75

<b>C3</b>	Data	Х	Υ
	8	3	5
	9	2	6
	10	3	8
	RATA	2,666667	6,333333

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Data	Χ	Υ	C1	C2	C3	Min	Cluster	Ket
1	1	1	4,055175	1,820027	5,5876847	1,820027	C2	sama
2	4	1	1,201851	3,051639	5,4974738	1,201851	C1	sama
3	6	1	1,201851	4,828302	6,2893203	1,201851	C1	sama
4	1	2	4,013865	0,901388	4,6427959	0,901388	C2	sama
5	2	3	3,282952	0,559017	3,3993461	0,559017	C2	sama
6	5	3	1,333333	3,508917	4,0688514	1,333333	C1	sama
7	2	5	4,484541	2,304886	1,4907118	1,490712	C3	beda
8	3	5	3,887301	2,704163	1,3743681	1,374368	C3	sama
9	2	6	5,270462	3,288237	0,7453561	0,745356	C3	sama
10	3	8	6,641619	5,460082	1,6996734	1,699673	C3	sama

hitung jarak tiap data terhadap centroid kelompokkan data ke centroid terdekat tentukan centroid baru tiap cluster kembali menghitung jika posisi cluster beda

entroid baru

Data	Х	Υ
C1	5	1,666667
C2	1,333333	2
С3	2,5	6

Langkah 1 menentukan centroid						
Data	Х	Υ				
2	5	1,666667				
4	1,5	2,75				
6	2,666667	6,333333				

C1	Data	Х	V
C1		^	'
	2	4	1
	3	6	1
	6	5	3
	RATA	5	1,666667
C2	Data	Х	Υ
	1	1	1
	4	1	2
	5	2	3
	RATA	1,333333	2

<b>C3</b>	Data	Х	Υ
	7	2	5
	8	3	5
	9	2	6
	10	3	8
	RATA	2,5	6

**INTERASI 4** 

Data	Χ	Υ	C1	C2	C3	Min	Cluster	Ket
1	1	1	4,055175	1,054092	5,220153	1,054092	C2	sama
2	4	1	1,201851	2,848002	5,220153	1,201851	C1	sama
3	6	1	1,201851	4,772607	6,103278	1,201851	C1	sama
4	1	2	4,013865	0,333333	4,272002	0,333333	C2	sama
5	2	3	3,282952	1,201851	3,041381	1,201851	C2	sama
6	5	3	1,333333	3,800585	3,905125	1,333333	C1	sama
7	2	5	4,484541	3,073182	1,118034	1,118034	C3	sama
8	3	5	3,887301	3,431877	1,118034	1,118034	C3	sama
9	2	6	5,270462	4,055175	0,5	0,5	C3	sama
10	3	8	6,641619	6,227181	2,061553	2,061553	C3	sama

hitung jarak tiap data terhadap centroid kelompokkan data ke centroid terdekat posisi cluster sudah sama

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Langkah 1 menentukan centroid						
Data	X	Υ				
2	5	1,666667				
4	1,333333	2				
6	2,5	6				