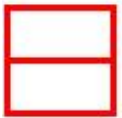
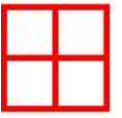
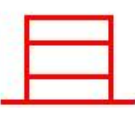
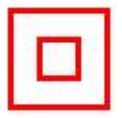
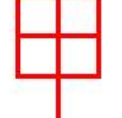
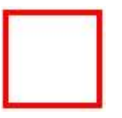
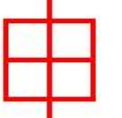
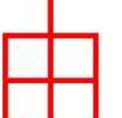
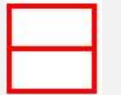
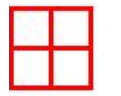
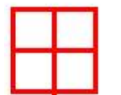
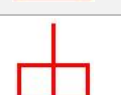


The initial table $R^{(0)}$:

													
	1	0.45	0.7	0.7	0.35	0.35	0.3	0.3	0.85	0.1	0.35	0.1	0.1
	0.45	1	0.35	0.35	0.6	0.9	0.55	0.8	0.35	0.1	0.9	0.1	0.1
	0.7	0.35	1	0.8	0.35	0.35	0.3	0.3	0.9	0.1	0.35	0.1	0.1
	0.7	0.35	0.8	1	0.35	0.35	0.3	0.3	0.8	0.1	0.35	0.1	0.1
	0.35	0.6	0.35	0.35	1	0.6	0.85	0.6	0.3	0.1	0.6	0.1	0.1
	0.35	0.9	0.35	0.35	0.6	1	0.55	0.9	0.35	0.1	0.8	0.1	0.1
	0.3	0.55	0.3	0.3	0.85	0.55	1	0.55	0.4	0.1	0.4	0.1	0.1
	0.3	0.8	0.3	0.3	0.6	0.9	0.55	1	0.45	0.1	0.9	0.1	0.1
	0.85	0.35	0.9	0.8	0.3	0.35	0.4	0.45	1	0.1	0.35	0.1	0.1
	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1	0.1	0.35	0.35
	0.35	0.9	0.35	0.35	0.6	0.8	0.4	0.9	0.35	0.1	1	0.1	0.1
	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.35	0.1	1	0.9
	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.35	0.1	0.9	1

The final $R^{(n)}$:

[illegible]

Iteration 1

$I = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13\}$

$C = \{ \}$

$a_{26} = a_{28} = a_{2\ 11} = a_{39} = a_{68} = a_{6\ 11} = a_{8\ 11} = a_{12\ 13} = 0.9$ are maximum and $a_{2\ 11}$ is selected at random, then $C = \{2, 11\}$

$a_{26} + a_{11\ 6} = a_{28} + a_{11\ 8} = 0.9 + 0.9 = 1.8$ are maximum and $j = 6$ is selected at random, then $C = \{2, 6, 11\}$

$a_{28} + a_{68} + a_{11\ 8} = 0.9 + 0.9 + 0.9 = 2.7$ is maximum, then $C = \{2, 6, 8, 11\}$

$a_{25} + a_{65} + a_{85} + a_{11\ 5} = a_{27} + a_{67} + a_{87} + a_{11\ 7} = 0.6 + 0.6 + 0.6 + 0.6 = 2.4$ are maximum and $j = 5$ is selected at random, then $C = \{2, 5, 6, 8, 11\}$

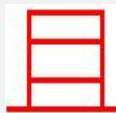
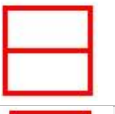
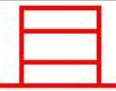
$a_{27} + a_{57} + a_{67} + a_{87} + a_{11\ 7} = 0.6 + 0.85 + 0.6 + 0.6 + 0.6 = 3.25$ is maximum, then $C = \{2, 5, 6, 7, 8, 11\}$

There are no such j , that $a_{2j} + a_{5j} + a_{6j} + a_{7j} + a_{8j} + a_{11j}$ is maximum, then $C = \{2, 5, 6, 7, 8, 11\}$

Iteration 2

$I = \{1, 3, 4, 9, 10, 12, 13\}$

$C = \{ \}$

		1	3	4	9	10	12	13
								
1		0	0.85	0.8	0.85	0	0	0
3		0.85	0	0.8	0.9	0	0	0
4		0.8	0.8	0	0.8	0	0	0
9		0.85	0.9	0.8	0	0	0	0
10		0	0	0	0	0	0	0
12		0	0	0	0	0	0	0.9
13		0	0	0	0	0	0.9	0

$a_{39} = a_{12\ 13} = 0.9$ are maximum and a_{39} is selected at random, then $C = \{3, 9\}$

$a_{31} + a_{91} = 0.85 + 0.85 = 1.7$ is maximum, then $C = \{1, 3, 9\}$

$a_{14} + a_{34} + a_{94} = 0.8 + 0.8 + 0.8 = 2.4$ is maximum, then $C = \{1, 3, 4, 9\}$

There are no such j , that $a_{1j} + a_{3j} + a_{4j} + a_{9j}$ is maximum.

Then $C = \{1, 3, 4, 9\}$

Iteration 3

I = {10, 12, 13}
C = { }

		10	12	13
				
10		0	0	0
12		0	0	0.9
13		0	0.9	0

$a_{12\ 13} = 0.9$ is maximum, then C = {12, 13}

There are no such j, that $a_{12j} + a_{13j}$ is maximum. Then C = {12, 13}

Iteration 4

I = {10}
C = { }

		10
		
10		0

There are no such $a_{st} \neq 0$, then C = {10}

The result, when $\alpha = 0.55$, is 4 clusters {2, 5, 6, 7, 8, 11}, {1, 3, 4, 9}, {12, 13}, {10}

OR

