|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | DD = 0.5 |  | | | | | | |
| No. of Nodes | 50 | | | | | | |
| No. of Edges | 500 | | | | | | |
| Black color | ครัสเตอร์ | | | | | | |
| No. | Color | Node | No. of edges within the clusters | Total degree of all nodes in the cluster | ค่า Difference Density | Un - Cluster Node | Node in Cluster | UnCluster\_Node |
| 1 | ''red' | 32 | 239 | 248 | 0.5 | 9 | [25, 27, 21, 22, 49, 46, 47, 45, 42, 43, 40, 41, 0, 3, 2, 5, 4, 7, 6, 9, 8, 39, 11, 10, 13, 15, 16, 19, 31, 30, 36, 33] | 18,23,35,34,32,28,29,20,37 |
| 2 | ‘blue’ | 9 | 16 | 77 | 0.5 | [24, 26, 12, 17, 48, 38, 44, 1, 14] |
| Matric | | Coverage | | Conductance | |  |  |  |
| 0.64 | | 0.9 | |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | DD = 0.6 |  | | | | | | |
| No. of Nodes | 50 | | | | | | |
| No. of Edges | 500 | | | | | | |
| Black color | ครัสเตอร์ | | | | | | |
| No. | Color | Node | No. of edges within the clusters | Total degree of all nodes in the cluster | ค่า Difference Density | Un - Cluster Node | Node in Cluster | UnCluster\_Node |
| 1 | ''red' | 14 | 52 | 55 | 0.6 | 9 | [11, 10, 13, 15, 21, 22, 33, 31, 42, 40, 3, 2, 7, 8] | 18,20,29,28,30,35,36,37,1 |
| 2 | ‘blue’ | 10 | 24 | 40 | 0.61 | [27, 14, 25, 19, 45, 43, 41, 38, 4, 9] |
| 3 | 'green' | 5 | 8 | 40 | 0.61 | [24, 16, 46, 49, 5] |
| 4 | 'yellow' | 5 | 7 | 17 | 0.61 | [26, 12, 17, 48, 44] |
| 5 | 'purple | 3 | 3 | 18 | 0.64 | [39, 32, 0] |
| 6 | 'magenta' | 4 | 4 | 13 | 0.62 | [23, 47, 34, 6] |
| Matric | | Coverage | | Conductance | |  |  |  |
| 0.88 | | 0.35 | |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | DD = 0.7 |  | | | | | | |
| No. of Nodes | 50 | | | | | | |
| No. of Edges | 500 | | | | | | |
| Black color | ครัสเตอร์ | | | | | | |
| No. | Color | Node | No. of edges within the clusters | Total degree of all nodes in the cluster | ค่า Difference Density | Un - Cluster Node | Node in Cluster | UnCluster\_Node |
| 1 | ''red' | 10 | 31 | 33 | 0.73 | 14 | [11, 10, 13, 21, 22, 33, 31, 42, 2, 7] | 4,6,12,17,18,20,28,29,34,35,36,37,44,1 |
| 2 | ‘blue’ | 4 | 5 | 11 | 0.73 | [15, 40, 3, 8] |
| 3 | 'green' | 5 | 9 | 26 | 0.72 | [25, 14, 19, 43, 41] |
| 4 | 'yellow' | 3 | 3 | 7 | 0.7 | [27, 16, 49] |
| 5 | 'purple | 4 | 5 | 26 | 0.72 | [24, 38, 45, 9] |
| 6 | 'magenta' | 4 | 5 | 7 | 0.7 | [46, 30, 5, 48] |
| 7 | ‘GreenYellow’ | 3 | 3 | 7 | 0.7 | [47, 26, 23] |
| 8 | ‘brown’ | 3 | 3 | 15 | 0.71 | [39, 32, 0] |
| Matric | | Coverage | | Conductance | |  |  |  |
| 0.56 | | 0.76 | |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | DD = 0.7 |  | | | | | | |
| No. of Nodes | 50 | | | | | | |
| No. of Edges | 300\_1 | | | | | | |
| Black color | ครัสเตอร์ | | | | | | |
| No. | Color | Node | No. of edges within the clusters | Total degree of all nodes in the cluster | ค่า Difference Density | Un - Cluster Node | Node in Cluster | UnCluster\_Node |
| 1 | ''red' | 6 | 11 |  |  |  | [20, 21, 46, 29, 5, 8] |  |
| 2 | ‘blue’ | 4 | 5 |  |  | [11, 10, 36, 49] |
| 3 | 'green' | 4 | 5 |  |  | [47, 38, 15, 14] |
| 4 | 'yellow' | 4 | 4 |  |  | [19, 25, 42, 35] |
| 5 | 'purple | 4 | 5 |  |  | [33, 3, 7, 16] |
| 6 | 'magenta' | 5 | 7 |  |  | [24, 26, 22, 17, 41] |
| 7 | ‘GreenYellow’ | 5 | 7 |  |  | [1, 32, 37, 43, 23] |
| 8 | ‘brown’ | 5 | 7 |  |  | [31, 2, 48, 40, 6] |
| 9 | 'Salmon' | 3 | 3 |  |  | [45, 44, 30] |
| Matric | | Coverage | | Conductance | | [u'12'] |  |  |
| 0.24 | | 0.55 | |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | DD = 0.6 | C:\Users\Kmutt_Wan\AppData\Local\Microsoft\Windows\INetCache\Content.Word\50_300_1_Original.png | | | | | | |
| No. of Nodes | 50 | | | | | | |
| No. of Edges | 300\_1 | | | | | | |
| Black color | ครัสเตอร์ | | | | | | |
| No. | Color | Node | No. of edges within the clusters | Total degree of all nodes in the cluster | ค่า Difference Density | Un - Cluster Node | Node in Cluster | UnCluster\_Node |
| 1 | ''red' | 7 | 13 |  |  |  | [20, 21, 46, 29, 35, 5, 8] |  |
| 2 | ‘blue’ | 6 | 9 |  |  | [11, 10, 49, 18, 45, 36] |
| 3 | 'green' | 5 | 6 |  |  | [38, 15, 14, 47, 30] |
| 4 | 'yellow' | 4 | 5 |  |  | [33, 28, 43, 3] |
| 5 | 'purple | 6 | 10 |  |  | [24, 26, 17, 40, 41, 7] |
| 6 | 'magenta' | 4 | 6 |  |  | [25, 19, 44, 42] |
| 7 | ‘GreenYellow’ | 4 | 5 |  |  | [1, 32, 37, 23] |
| 8 | ‘brown’ | 3 | 3 |  |  | [31, 2, 6] |
| Matric | | Coverage | | Conductance | | [u'12'] |  |  |
| 0.28 | | 0.20 | |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | DD = 0.5 | C:\Users\Kmutt_Wan\AppData\Local\Microsoft\Windows\INetCache\Content.Word\50_300_1_Original.png | | | | | | |
| No. of Nodes | 50 | | | | | | |
| No. of Edges | 300\_1 | | | | | | |
| Black color | ครัสเตอร์ | | | | | | |
| No. | Color | Node | No. of edges within the clusters | Total degree of all nodes in the cluster | ค่า Difference Density | Un - Cluster Node | Node in Cluster | UnCluster\_Node |
| 1 | ''red' | 9 | 18 |  |  |  | [11, 10, 20, 21, 46, 29, 35, 5, 8] |  |
| 2 | ‘blue’ | 7 | 11 |  |  | [49, 33, 18, 37, 43, 36, 2] |
| 3 | 'green' | 7 | 12 |  |  | [24, 38, 17, 40, 41, 19, 7] |
| 4 | 'yellow' | 5 | 6 |  |  | [45, 14, 16, 23, 30] |
| 5 | 'purple | 3 | 3 |  |  | [39, 15, 25] |
| Matric | | Coverage | | Conductance | | [u'12', u'6'] |  |  |
| 0.26 | | 0.29 | |  |  |