|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | DD = 0.5 |  | | | | | | | |
| จำนวนโหนด | 50 | | | | | | | |
| จำนวนกิ่ง | 250 | | | | | | | |
| Black color | ครัสเตอร์ | | | | | | | |
| No. | Color | โหนด | กิ่ง | ค่า DD | Co-Cluster | UnCluster\_Node | Node Cluster | Co-Cluster Node | UnCluster\_Node |
| 1 | 'purple' | 8 | 14 | 0.5 | - | 5 | [25, 39, 12, 23, 46, 42, 2, 4] | - | 15,36,37,45,47 |
| 2 | 'magenta' | 7 | 11 | 0.52 | - | 2 | [24, 10, 13, 17, 18, 30, 5] | - | 11,35 |
| 3 | 'green' | 5 | 28 | 0.51 | 6 | - | [22, 33, 44, 27, 6] | 23,12,42,5,39,25 | - |
| 4 | 'yellow' | 8 | 19 | 0.53 | 1 | - | [26, 49, 32, 31, 29, 40, 43, 3] | 30 | - |
| 5 | 'red' | 4 | 8 | 0.8 | 1 | - | 48,0,20,38 | 23 | - |
| 6 | 'brown' | 3 | 14 | 0.5 | 5 | - | 14,9,21 | 4,24,10,20,31 | - |
| 7 | ‘blue’ | 4 | 14 | 0.5 | 4 | - | 1,34,8,41 | 30,18,32,43 | - |
| Matric | | Coverage | | Conductance | | [u'19', u'28', u'16'] |  |  |  |
| 0.71 | | 0.17 | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | DD = 0.5 |  | | | | | | | |
| จำนวนโหนด | 50 | | | | | | | |
| จำนวนกิ่ง | 300\_2 | | | | | | | |
| Black color | ครัสเตอร์ | | | | | | | |
| No. | Color | โหนด | กิ่ง | ค่า DD | Co-Cluster | UnCluster\_Node | Node Cluster | Co-Cluster Node | UnCluster\_Node |
| 1 | 'purple' | 8 | 14 | 0.5 | - | 5 | 19,29,9,36,38,5,21,47 | - | 15,37,27,22,12 |
| 2 | 'magenta' | 7 | 24 | 0.53 | 3 | 3 | 49,45,0,31,4,24,40 | 6,39,28 | 38,5,21 |
| 3 | 'green' | 7 | 14 | 0.53 | 1 | 2 | 1,42,7,3,23,48,18 | 36 | 11,14 |
| 4 | 'yellow' | 8 | 19 | 0.53 | 1 | 1 | 10,34,46,16,13,25,33,44 | 38 | 32 |
| 5 | 'red' | 3 | 23 | 0.51 | 7 | - | 35,41,2 | 16,19,4,38,18,45,25 | - |
| 6 | 'brown' | 3 | 3 | 1 | - | - | 26,20,43 | - | - |
| Matric | | Coverage | | Conductance | | [u'8', u'17'] |  |  |  |
| 0.63 | | 0.37 | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | DD = 0.5 |  | | | | | | | |
| จำนวนโหนด | 50 | | | | | | | |
| จำนวนกิ่ง | 500 | | | | | | | |
| Black color | ครัสเตอร์ | | | | | | | |
| No. | Color | โหนด | กิ่ง | ค่า DD | Co-Cluster | UnCluster\_Node | Node Cluster | Co-Cluster Node | UnCluster\_Node |
| 1 | ''red' | 32 | 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 | 77 | 0.5 | 9 | - | [24, 26, 12, 17, 48, 38, 44, 1, 14] | 33,13,2,11,3,41,42,27,43 | - |
| Matric | | Coverage | | Conductance | | - |  |  |  |
| 0.64 | | 0.9 | |  |  |  |

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

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | DD = 0.7 |  | | | | | | | |
| จำนวนโหนด | 50 | | | | | | | |
| จำนวนกิ่ง | 500 | | | | | | | |
| Black color | ครัสเตอร์ | | | | | | | |
| No | Color | โหนด | กิ่ง | ค่า DD | Co-Cluster | UnCluster\_Node | Node Cluster | Co-Cluster Node | UnCluster\_Node |
| 1 | ''red' | 10 | 33 | 0.73 | - | 13 | [11, 10, 13, 21, 22, 33, 31, 42, 2, 7] | - | 4,6,12,17,18,20,28,29,34,35,36,37,44 |
| 2 | ‘blue’ | 4 | 11 | 0.73 | 3 | 1 | [15, 40, 3, 8] | 21,33,15 | 1 |
| 3 | 'green' | 5 | 26 | 0.72 | 4 | - | [25, 14, 19, 43, 41] | 33,7,13,3 | - |
| 4 | 'yellow' | 3 | 7 | 0.7 | 2 | - | [27, 16, 49] | 8,3 | - |
| 5 | 'purple | 4 | 26 | 0.72 | 5 | - | [24, 38, 45, 9] | 7,14,41,10,3 | - |
| 6 | 'magenta' | 4 | 7 | 0.7 | 1 | - | [46, 30, 5, 48] | 8 | - |
| 7 | ’Green Yellow’ | 3 | 7 | 0.7 | 2 | - | [47, 26, 23] | 7,14 | - |
| 8 | ‘brown’ | 3 | 15 | 0.71 | 4 | - | [39, 32, 0] | 10,3,40,27 | - |
| Matric | | Coverage | | Conductance | |  |  |  |  |
| 0.56 | | 0.76 | |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 8 | [11, 10, 13, 15, 21, 22, 33, 31, 42, 40, 3, 2, 7, 8] | 18,20,29,28,30,35,36,37 |
| 2 | ‘blue’ | 10 | 24 | 40 | 0.61 | 1 | [27, 14, 25, 19, 45, 43, 41, 38, 4, 9] | 1 |
| 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 | |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 8 | [11, 10, 13, 15, 21, 22, 33, 31, 42, 40, 3, 2, 7, 8] | 18,20,29,28,30,35,36,37 |
| 2 | ‘blue’ | 10 | 24 | 40 | 0.61 | 1 | [27, 14, 25, 19, 45, 43, 41, 38, 4, 9] | 1 |
| 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 | |  |  |