# Digital Circuit Clustering Results - 19/05/2020

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| **File Name** | **Conv Layers** | **Metric #1** | **Metric #2** |
| adaptec1\_2\_layers\_250\_epochs\_20\_clusters\_lr\_0.01.ipynb | 2 | {(0, 1): 26,  (0, 2): 11,  (0, 3): 80,  (0, 4): 28,  (0, 5): 64,  (0, 6): 7,  (0, 7): 17,  (0, 8): 90,  (0, 9): 14,  (1, 2): 108,  (1, 3): 1100,  (1, 4): 137,  (1, 5): 851,  (1, 6): 51,  (1, 7): 167,  (1, 8): 1462,  (1, 9): 117,  (2, 3): 505,  (2, 4): 83,  (2, 5): 373,  (2, 6): 23,  (2, 7): 71,  (2, 8): 606,  (2, 9): 75,  (3, 4): 564,  (3, 5): 4439,  (3, 6): 327,  (3, 7): 1072,  (3, 8): 9938,  (3, 9): 465,  (4, 5): 419,  (4, 6): 18,  (4, 7): 90,  (4, 8): 567,  (4, 9): 87,  (5, 6): 289, (5, 7): 941, (5, 8): 9799,  (5, 9): 401, (6, 7): 15, (6, 8): 130,  (6, 9): 11, (7, 8): 1874, (7, 9): 94,  (8, 9): 509} | Cluster 0 = 507  Cluster 1 = 4508  Cluster 2 = 2109  Cluster 3 = 21089  Cluster 4 = 2517  Cluster 5 = 16926  Cluster 6 = 891  Cluster 7 = 3992  Cluster 8 = 32043  Cluster 9 = 2293  Cluster 10 = 1712  Cluster 11 = 9605  Cluster 12 = 19973  Cluster 13 = 5588  Cluster 14 = 9701  Cluster 15 = 31999  Cluster 16 = 3492  Cluster 17 = 34601  Cluster 18 = 3542  Cluster 19 = 4359 |
| adaptec1\_3\_layers\_250\_epochs\_lr\_0\_01.ipynb | 3 | {(0, 1): 694,  (0, 2): 1202,  (0, 3): 526,  (0, 4): 602,  (0, 5): 2157,  (0, 6): 4,  (0, 7): 581,  (0, 8): 187,  (0, 9): 247,  (1, 2): 4864,  (1, 3): 1257,  (1, 4): 2823,  (1, 5): 10041,  (1, 6): 4,  (1, 7): 1894,  (1, 8): 839,  (1, 9): 1154,  (2, 3): 5323,  (2, 4): 12495,  (2, 5): 37502,  (2, 6): 2,  (2, 7): 4098,  (2, 8): 1606,  (2, 9): 7463,  (3, 4): 2174,  (3, 5): 7536,  (3, 6): 4,  (3, 7): 1298,  (3, 8): 363,  (3, 9): 833,  (4, 5): 8216,  (4, 6): 12,  (4, 7): 156,  (4, 8): 83,  (4, 9): 1532,  (5, 6): 80,  (5, 7): 5627,  (5, 8): 1857,(5, 9): 20087,  (6, 7): 0,  (6, 8): 0,  (6, 9): 4,  (7, 8): 772,  (7, 9): 1187,  (8, 9): 634} | Cluster 0 = 2820  Cluster 1 = 13196  Cluster 2 = 29582  Cluster 3 = 9415  Cluster 4 = 9274  Cluster 5 = 78526  Cluster 6 = 39  Cluster 7 = 9213  Cluster 8 = 3360  Cluster 9 = 8667  Cluster 10 = 5998  Cluster 11 = 1876  Cluster 12 = 4399  Cluster 13 = 4276  Cluster 14 = 3885  Cluster 15 = 136  Cluster 16 = 4123  Cluster 17 = 10847  Cluster 18 = 1849  Cluster 19 = 9966 |
| bigblue1\_2\_layers\_250\_epochs\_lr\_0.01.ipynb | 2 | {(0, 1): 277,  (0, 2): 1970,  (0, 3): 246,  (0, 4): 117,  (0, 5): 135,  (0, 6): 1723,  (0, 7): 1750,  (0, 8): 539,  (0, 9): 5,  (1, 2): 4247,  (1, 3): 667,  (1, 4): 235,  (1, 5): 563,  (1, 6): 3902,  (1, 7): 4320,  (1, 8): 898,  (1, 9): 61,  (2, 3): 1425,  (2, 4): 529,  (2, 5): 1115,  (2, 6): 9010,  (2, 7): 9558,  (2, 8): 2458,  (2, 9): 135,  (3, 4): 75,  (3, 5): 191,  (3, 6): 870,  (3, 7): 1084,  (3, 8): 225,  (3, 9): 35,  (4, 5): 49,  (4, 6): 148,  (4, 7): 258,  (4, 8): 48,  (4, 9): 9,  (5, 6): 1131,  (5, 7): 1581,  (5, 8): 309,  (5, 9): 29,  (6, 7): 10187,  (6, 8): 2688,  (6, 9): 97,  (7, 8): 3613,  (7, 9): 152,  (8, 9): 13} | Cluster 0 = 7622  Cluster 1 = 10390  Cluster 2 = 29633  Cluster 3 = 4866  Cluster 4 = 1515  Cluster 5 = 4562  Cluster 6 = 28479  Cluster 7 = 35517  Cluster 8 = 5583  Cluster 9 = 583  Cluster 10 = 8941  Cluster 11 = 6651  Cluster 12 = 10138  Cluster 13 = 1018  Cluster 14 = 13915  Cluster 15 = 350  Cluster 16 = 51084  Cluster 17 = 30952  Cluster 18 = 80  Cluster 19 = 26285 |