

The graph consists of 28 nodes, each represented by a unique ID (e.g., 0\_1, 1\_1, 2\_1, 3\_1, 4\_1, 5\_1, 6\_1, 7\_1, 8\_1, 9\_1, 10\_2, 11\_10, 12\_2, 13\_2, 14\_2, 15\_2, 16\_2, 17\_2, 18\_2, 19\_2, 20\_3, 21\_13, 22\_5, 23\_3, 24\_3, 25\_3, 26\_3, 27\_3, 28\_3). The nodes are interconnected by a series of edges, all of which are labeled 'Single'. The connections form a complex, interconnected network with many cycles and paths. For example, node 0\_1 is connected to 1\_1, 2\_1, and 3\_1. Node 1\_1 is connected to 2\_1, 3\_1, 4\_1, and 5\_1. Node 2\_1 is connected to 1\_1, 3\_1, 4\_1, and 5\_1. Node 3\_1 is connected to 1\_1, 2\_1, 4\_1, 5\_1, 6\_1, 7\_1, 8\_1, 9\_1, 10\_2, 11\_10, 12\_2, 13\_2, 14\_2, 15\_2, 16\_2, 17\_2, 18\_2, 19\_2, 20\_3, 21\_13, 22\_5, 23\_3, 24\_3, 25\_3, 26\_3, 27\_3, and 28\_3. Node 4\_1 is connected to 1\_1, 2\_1, 3\_1, and 5\_1. Node 5\_1 is connected to 1\_1, 2\_1, 3\_1, 4\_1, 6\_1, 7\_1, 8\_1, 9\_1, 10\_2, 11\_10, 12\_2, 13\_2, 14\_2, 15\_2, 16\_2, 17\_2, 18\_2, 19\_2, 20\_3, 21\_13, 22\_5, 23\_3, 24\_3, 25\_3, 26\_3, 27\_3, and 28\_3. Node 6\_1 is connected to 1\_1, 2\_1, 3\_1, 4\_1, 5\_1, 7\_1, 8\_1, 9\_1, 10\_2, 11\_10, 12\_2, 13\_2, 14\_2, 15\_2, 16\_2, 17\_2, 18\_2, 19\_2, 20\_3, 21\_13, 22\_5, 23\_3, 24\_3, 25\_3, 26\_3, 27\_3, and 28\_3. Node 7\_1 is connected to 1\_1, 2\_1, 3\_1, 4\_1, 5\_1, 6\_1, 8\_1, 9\_1, 10\_2, 11\_10, 12\_2, 13\_2, 14\_2, 15\_2, 16\_2, 17\_2, 18\_2, 19\_2, 20\_3, 21\_13, 22\_5, 23\_3, 24\_3, 25\_3, 26\_3, 27\_3, and 28\_3. Node 8\_1 is connected to 1\_1, 2\_1, 3\_1, 4\_1, 5\_1, 6\_1, 7\_1, 9\_1, 10\_2, 11\_10, 12\_2, 13\_2, 14\_2, 15\_2, 16\_2, 17\_2, 18\_2, 19\_2, 20\_3, 21\_13, 22\_5, 23\_3, 24\_3, 25\_3, 26\_3, 27\_3, and 28\_3. Node 9\_1 is connected to 1\_1, 2\_1, 3\_1, 4\_1, 5\_1, 6\_1, 7\_1, 8\_1, 10\_2, 11\_10, 12\_2, 13\_2, 14\_2, 15\_2, 16\_2, 17\_2, 18\_2, 19\_2, 20\_3, 21\_13, 22\_5, 23\_3, 24\_3, 25\_3, 26\_3, 27\_3, and 28\_3. Node 10\_2 is connected to 1\_1, 2\_1, 3\_1, 4\_1, 5\_1, 6\_1, 7\_1, 8\_1, 9\_1, 11\_10, 12\_2, 13\_2, 14\_2, 15\_2, 16\_2, 17\_2, 18\_2, 19\_2, 20\_3, 21\_13, 22\_5, 23\_3, 24\_3, 25\_3, 26\_3, 27\_3, and 28\_3. Node 11\_10 is connected to 1\_1, 2\_1, 3\_1, 4\_1, 5\_1, 6\_1, 7\_1, 8\_1, 9\_1, 10\_2, 12\_2, 13\_2, 14\_2, 15\_2, 16\_2, 17\_2, 18\_2, 19\_2, 20\_3, 21\_13, 22\_5, 23\_3, 24\_3, 25\_3, 26\_3, 27\_3, and 28\_3. Node 12\_2 is connected to 1\_1, 2\_1, 3\_1, 4\_1, 5\_1, 6\_1, 7\_1, 8\_1, 9\_1, 10\_2, 11\_10, 13\_2, 14\_2, 15\_2, 16\_2, 17\_2, 18\_2, 19\_2, 20\_3, 21\_13, 22\_5, 23\_3, 24\_3, 25\_3, 26\_3, 27\_3, and 28\_3. Node 13\_2 is connected to 1\_1, 2\_1, 3\_1, 4\_1, 5\_1, 6\_1, 7\_1, 8\_1, 9\_1, 10\_2, 11\_10, 12\_2, 14\_2, 15\_2, 16\_2, 17\_2, 18\_2, 19\_2, 20\_3, 21\_13, 22\_5, 23\_3, 24\_3, 25\_3, 26\_3, 27\_3, and 28\_3. Node 14\_2 is connected to 1\_1, 2\_1, 3\_1, 4\_1, 5\_1, 6\_1, 7\_1, 8\_1, 9\_1, 10\_2, 11\_10, 12\_2, 13\_2, 15\_2, 16\_2, 17\_2, 18\_2, 19\_2, 20\_3, 21\_13, 22\_5, 23\_3, 24\_3, 25\_3, 26\_3, 27\_3, and 28\_3. Node 15\_2 is connected to 1\_1, 2\_1, 3\_1, 4\_1, 5\_1, 6\_1, 7\_1, 8\_1, 9\_1, 10\_2, 11\_10, 12\_2, 13\_2, 14\_2, 16\_2, 17\_2, 18\_2, 19\_2, 20\_3, 21\_13, 22\_5, 23\_3, 24\_3, 25\_3, 26\_3, 27\_3, and 28\_3. Node 16\_2 is connected to 1\_1, 2\_1, 3\_1, 4\_1, 5\_1, 6\_1, 7\_1, 8\_1, 9\_1, 10\_2, 11\_10, 12\_2, 13\_2, 14\_2, 15\_2, 17\_2, 18\_2, 19\_2, 20\_3, 21\_13, 22\_5, 23\_3, 24\_3, 25\_3, 26\_3, 27\_3, and 28\_3. Node 17\_2 is connected to 1\_1, 2\_1, 3\_1, 4\_1, 5\_1, 6\_1, 7\_1, 8\_1, 9\_1, 10\_2, 11\_10, 12\_2, 13\_2, 14\_2, 15\_2, 16\_2, 18\_2, 19\_2, 20\_3, 21\_13, 22\_5, 23\_3, 24\_3, 25\_3, 26\_3, 27\_3, and 28\_3. Node 18\_2 is connected to 1\_1, 2\_1, 3\_1, 4\_1, 5\_1, 6\_1, 7\_1, 8\_1, 9\_1, 10\_2, 11\_10, 12\_2, 13\_2, 14\_2, 15\_2, 16\_2, 17\_2, 19\_2, 20\_3, 21\_13, 22\_5, 23\_3, 24\_3, 25\_3, 26\_3, 27\_3, and 28\_3. Node 19\_2 is connected to 1\_1, 2\_1, 3\_1, 4\_1, 5\_1, 6\_1, 7\_1, 8\_1, 9\_1, 10\_2, 11\_10, 12\_2, 13\_2, 14\_2, 15\_2, 16\_2, 17\_2, 18\_2, 20\_3, 21\_13, 22\_5, 23\_3, 24\_3, 25\_3, 26\_3, 27\_3, and 28\_3. Node 20\_3 is connected to 1\_1, 2\_1, 3\_1, 4\_1, 5\_1, 6\_1, 7\_1, 8\_1, 9\_1, 10\_2, 11\_10, 12\_2, 13\_2, 14\_2, 15\_2, 16\_2, 17\_2, 18\_2, 19\_2, 21\_13, 22\_5, 23\_3, 24\_3, 25\_3, 26\_3, 27\_3, and 28\_3. Node 21\_13 is connected to 1\_1, 2\_1, 3\_1, 4\_1, 5\_1, 6\_1, 7\_1, 8\_1, 9\_1, 10\_2, 11\_10, 12\_2, 13\_2, 14\_2, 15\_2, 16\_2, 17\_2, 18\_2, 19\_2, 20\_3, 22\_5, 23\_3, 24\_3, 25\_3, 26\_3, 27\_3, and 28\_3. Node 22\_5 is connected to 1\_1, 2\_1, 3\_1, 4\_1, 5\_1, 6\_1, 7\_1, 8\_1, 9\_1, 10\_2, 11\_10, 12\_2, 13\_2, 14\_2, 15\_2, 16\_2, 17\_2, 18\_2, 19\_2, 20\_3, 21\_13, 23\_3, 24\_3, 25\_3, 26\_3, 27\_3, and 28\_3. Node 23\_3 is connected to 1\_1, 2\_1, 3\_1, 4\_1, 5\_1, 6\_1, 7\_1, 8\_1, 9\_1, 10\_2, 11\_10, 12\_2, 13\_2, 14\_2, 15\_2, 16\_2, 17\_2, 18\_2, 19\_2, 20\_3, 21\_13, 22\_5, 24\_3, 25\_3, 26\_3, 27\_3, and 28\_3. Node 24\_3 is connected to 1\_1, 2\_1, 3\_1, 4\_1, 5\_1, 6\_1, 7\_1, 8\_1, 9\_1, 10\_2, 11\_10, 12\_2, 13\_2, 14\_2, 15\_2, 16\_2, 17\_2, 18\_2, 19\_2, 20\_3, 21\_13, 22\_5, 23\_3, 25\_3, 26\_3, 27\_3, and 28\_3. Node 25\_3 is connected to 1\_1, 2\_1, 3\_1, 4\_1, 5\_1, 6\_1, 7\_1, 8\_1, 9\_1, 10\_2, 11\_10, 12\_2, 13\_2, 14\_2, 15\_