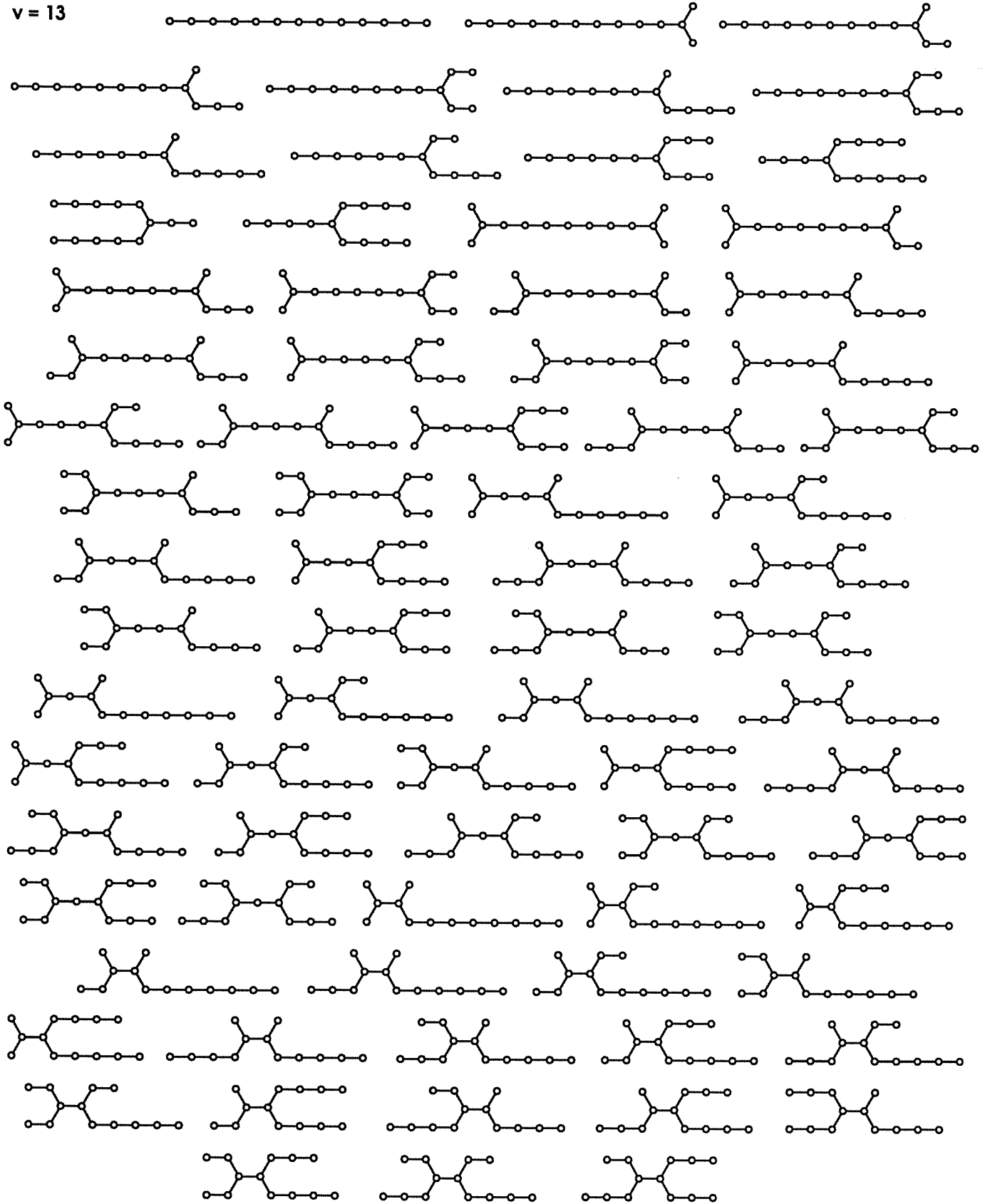
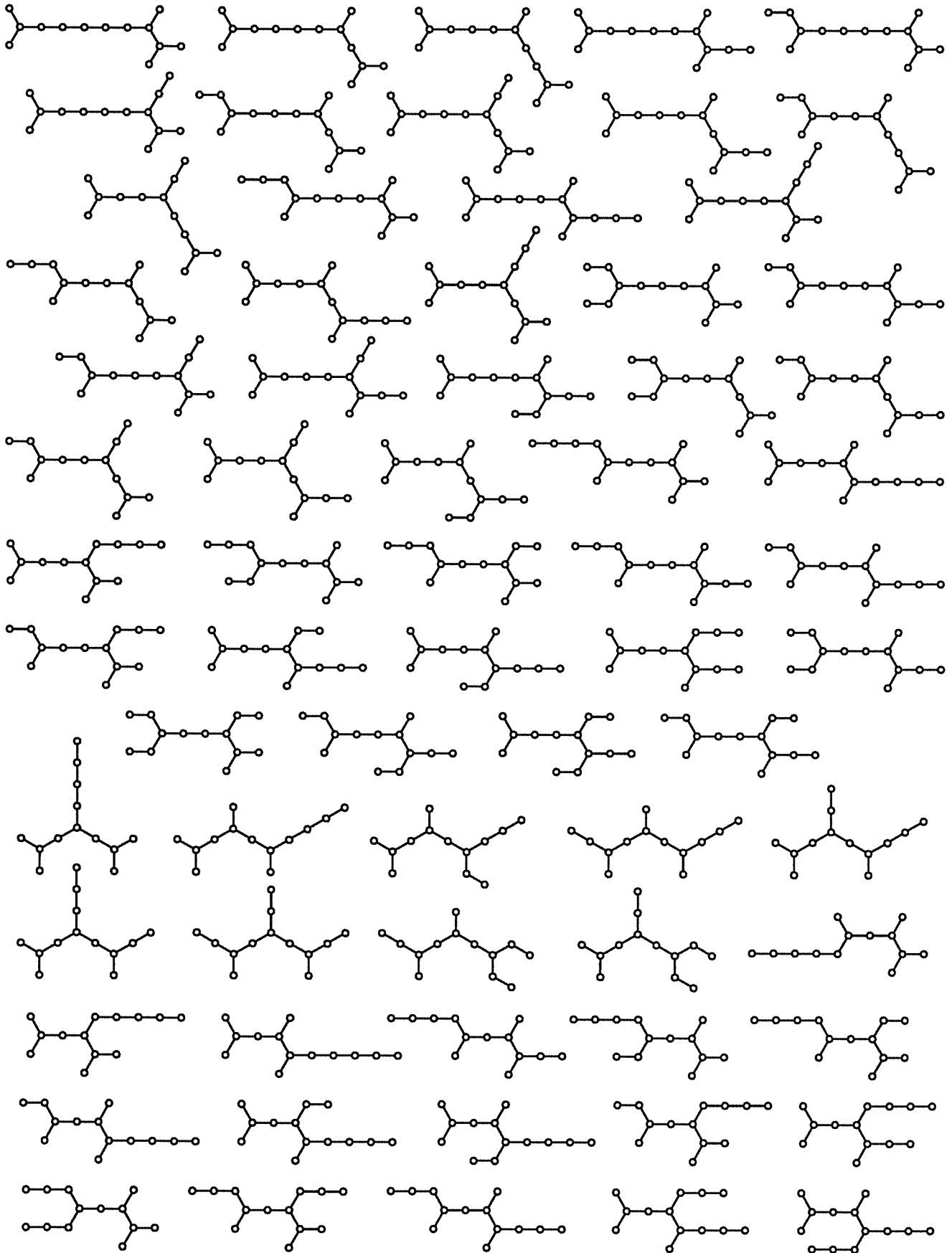
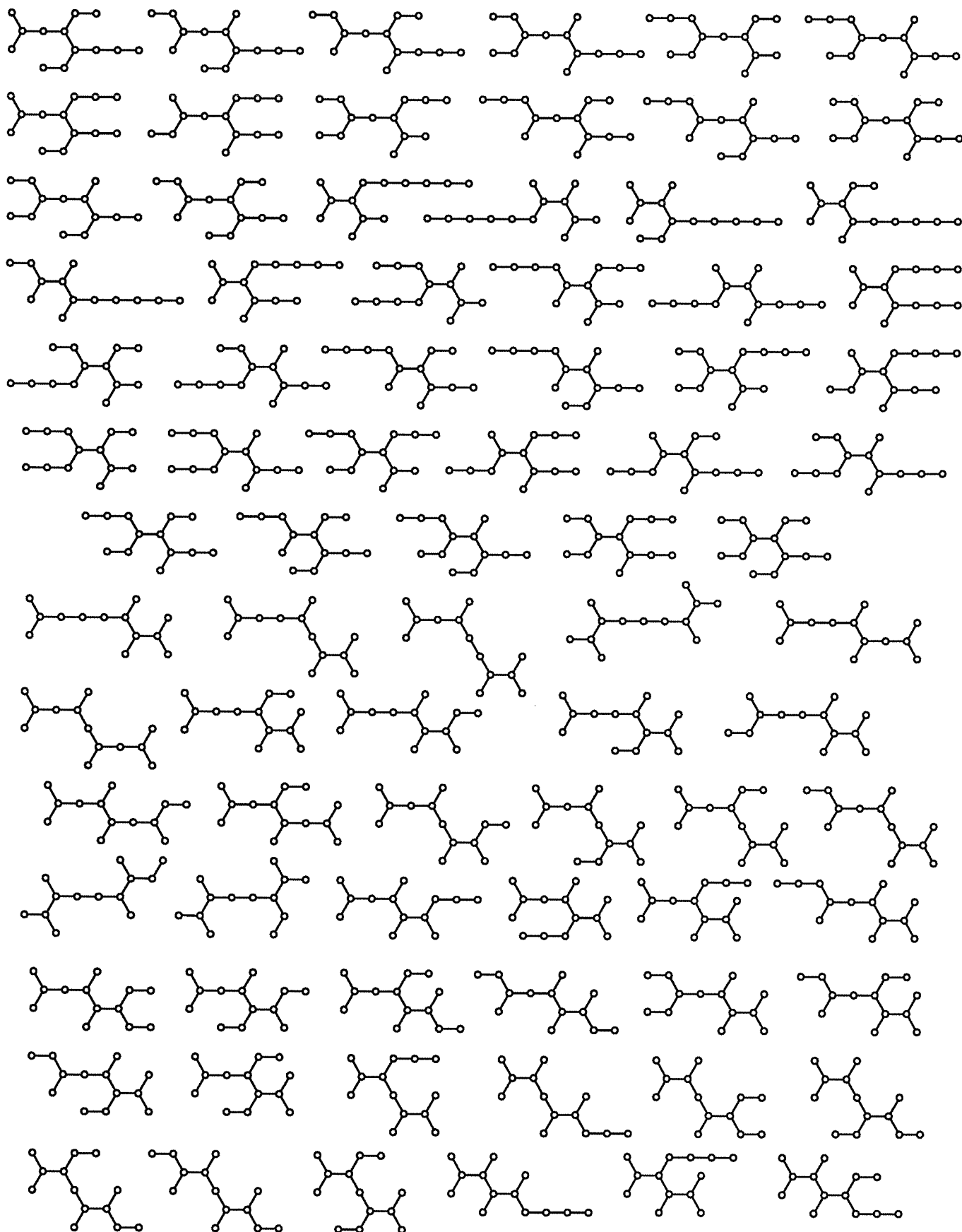


v = 13

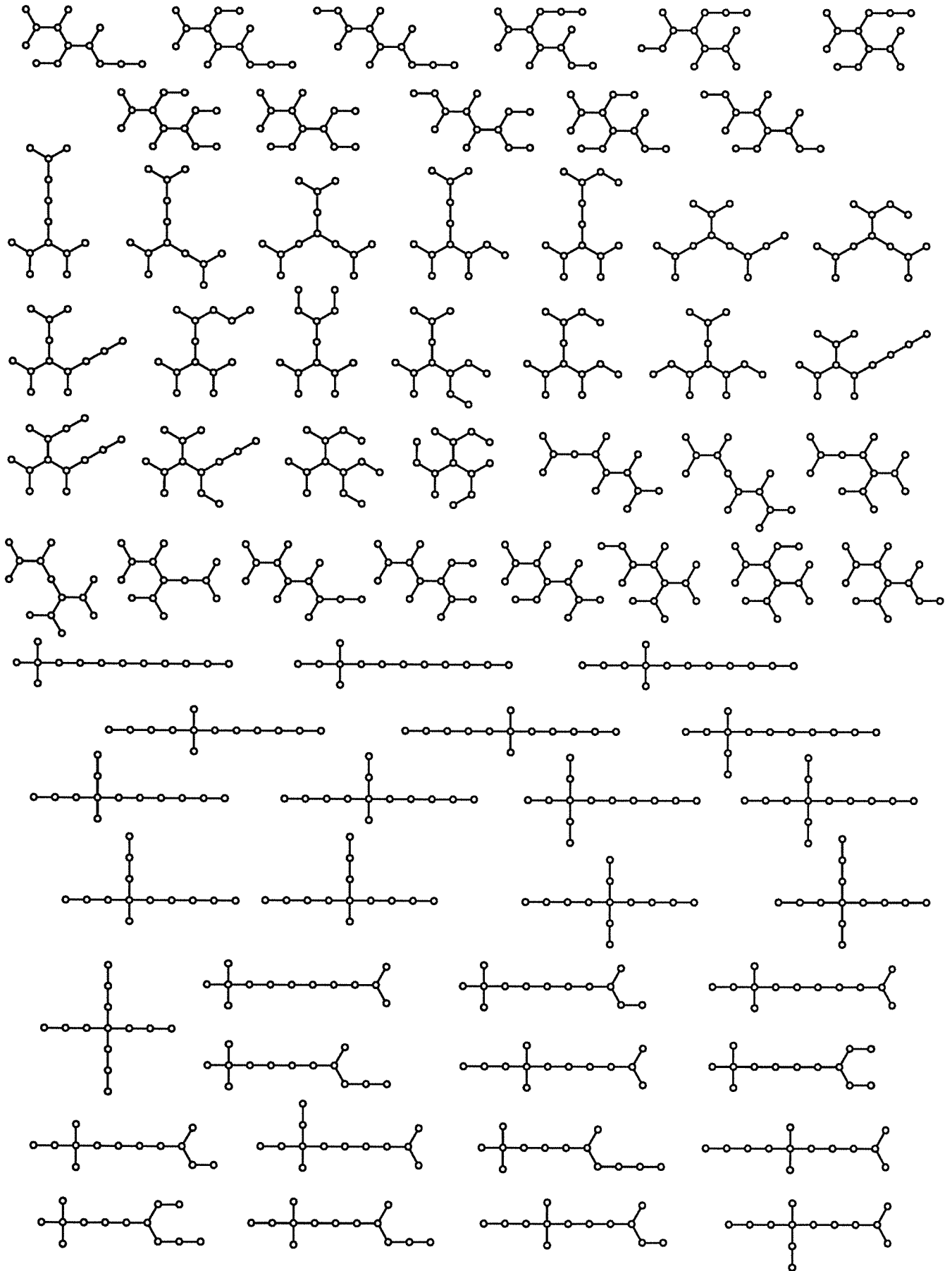


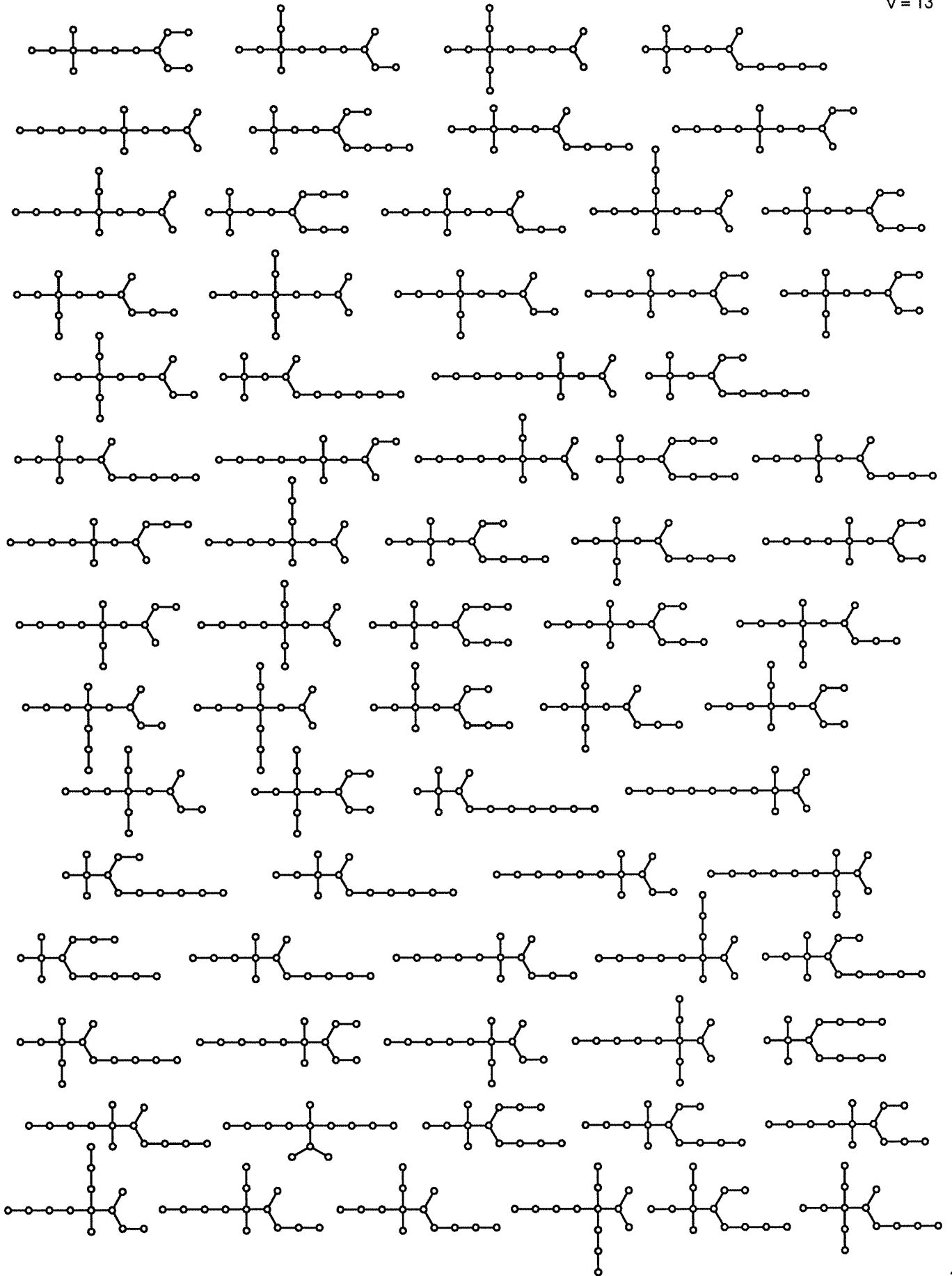
v = 13



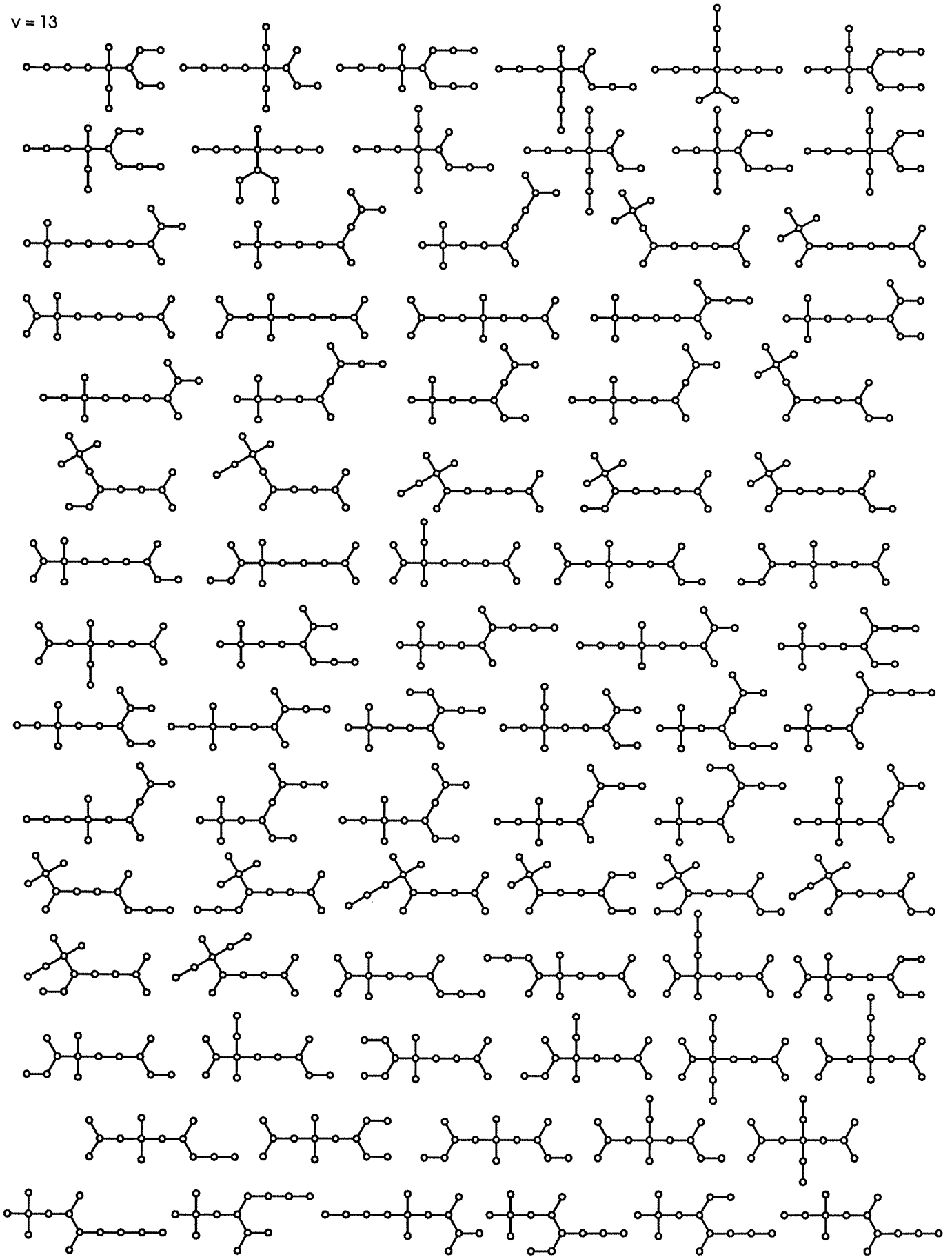


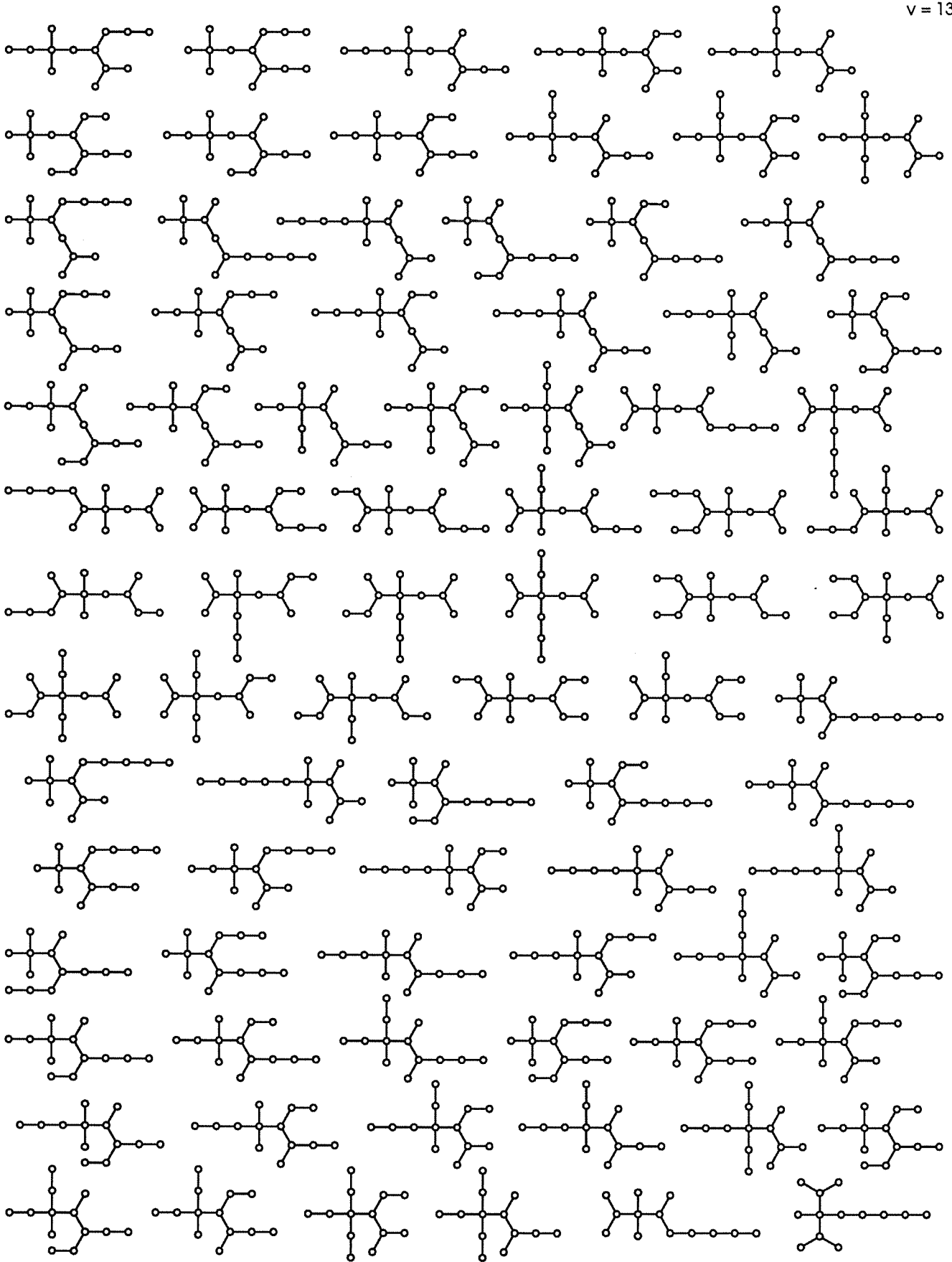
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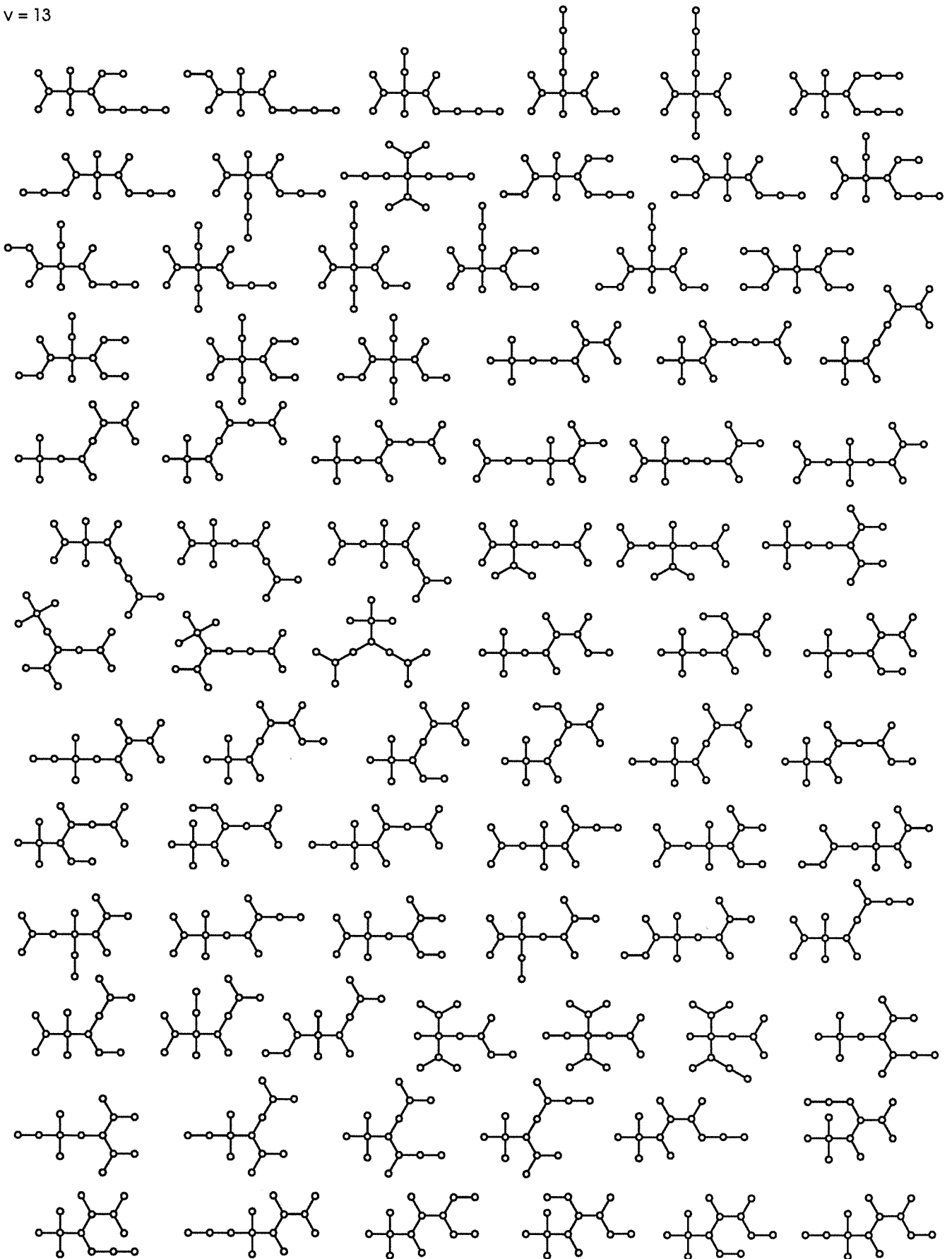


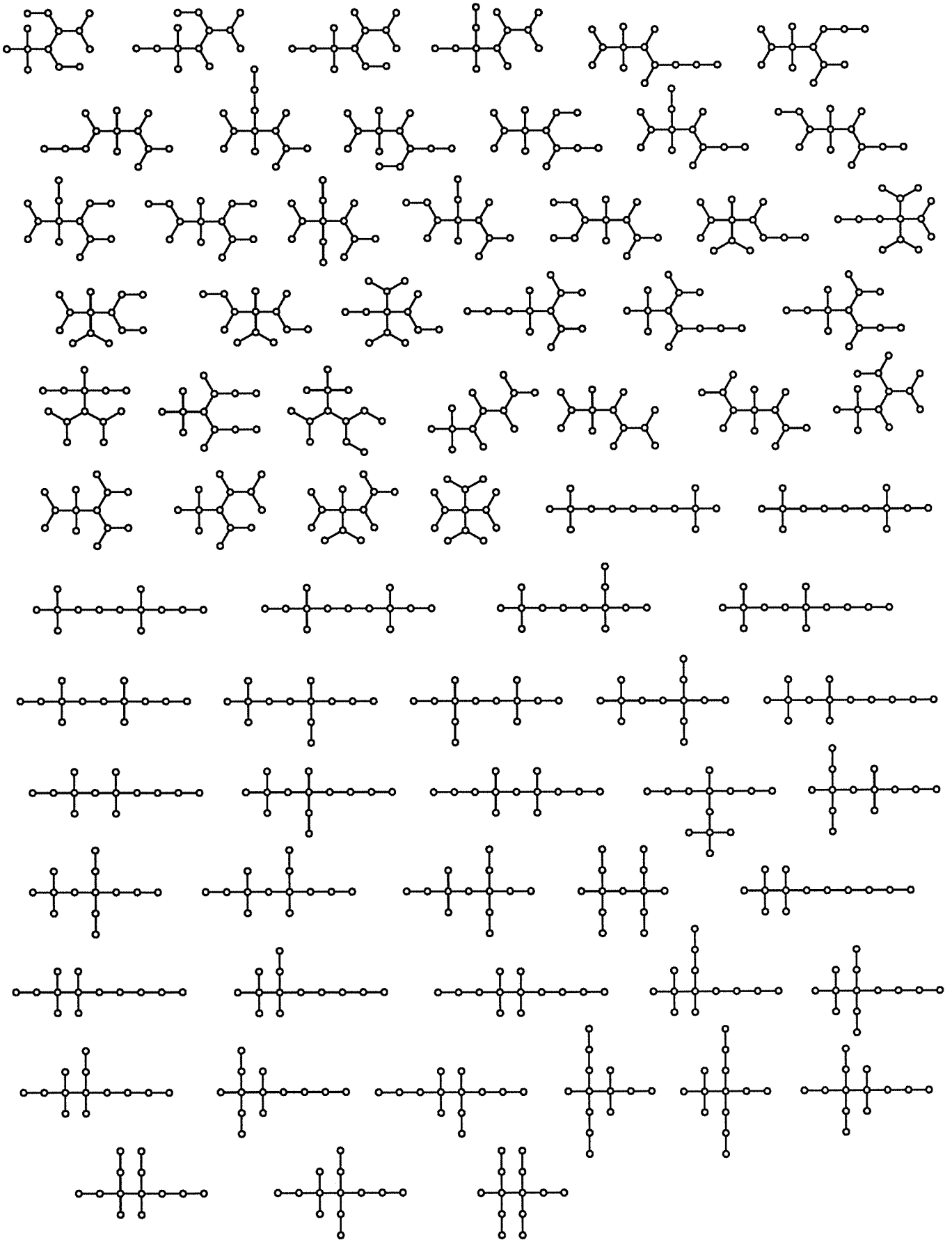
v = 13



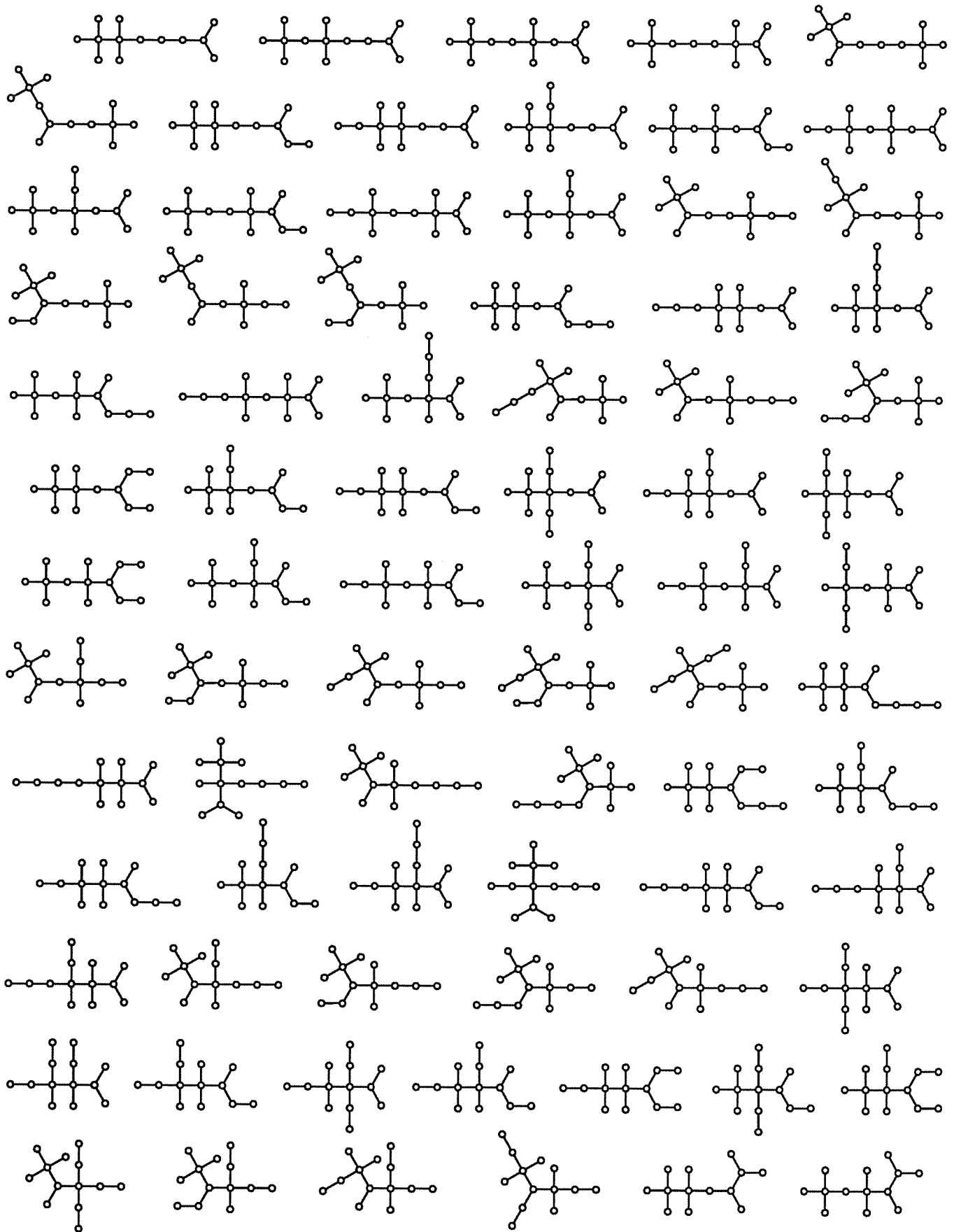


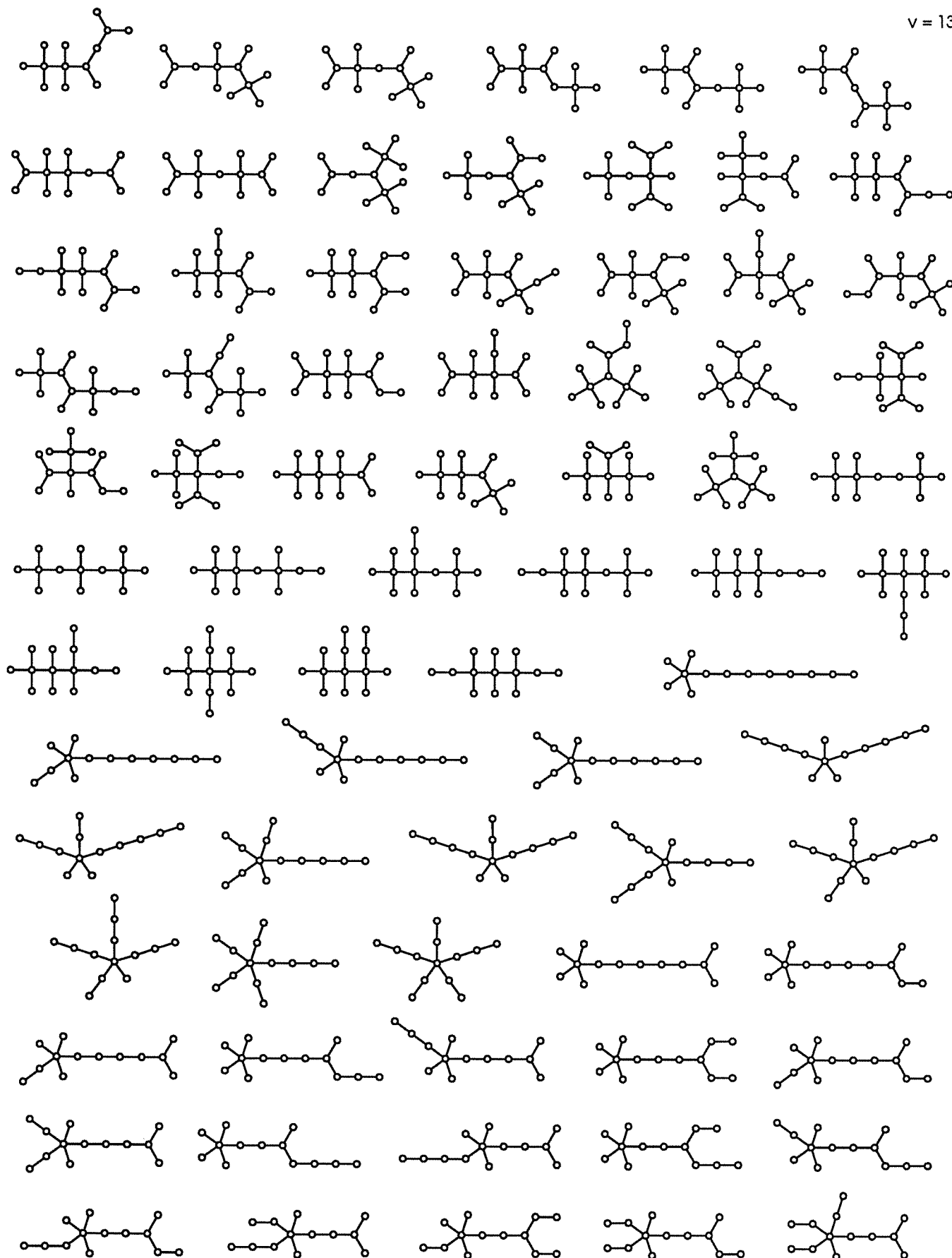
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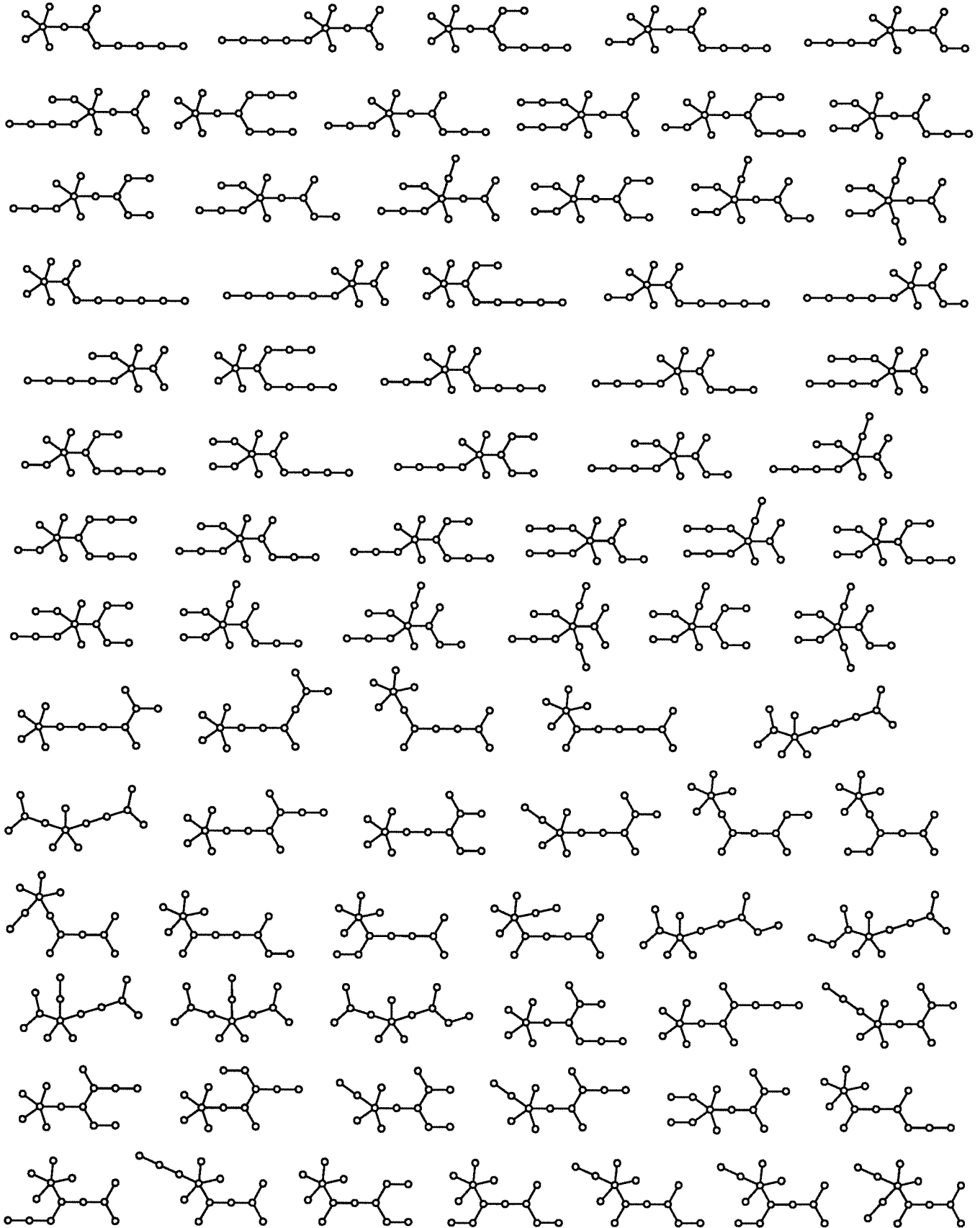


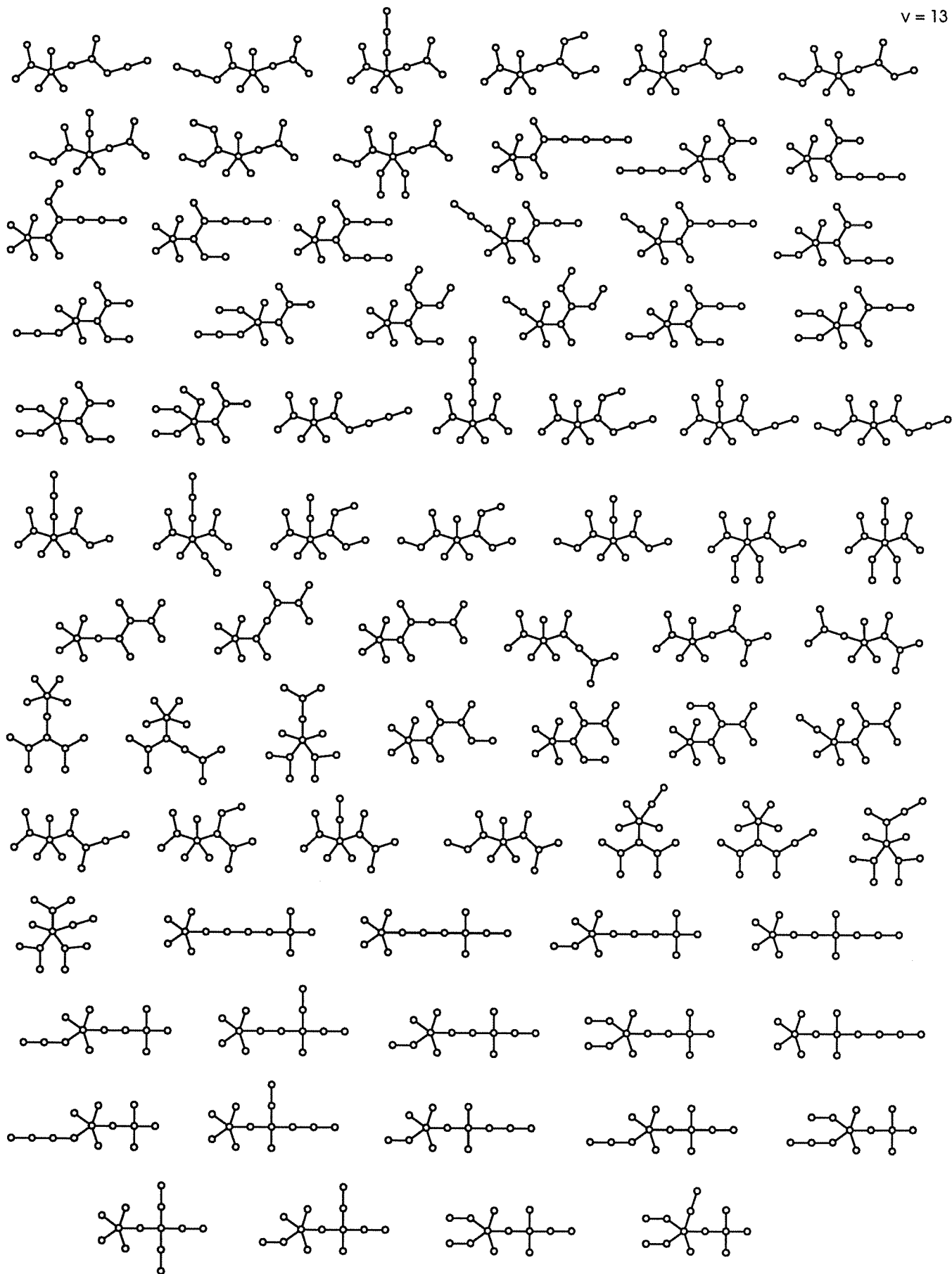
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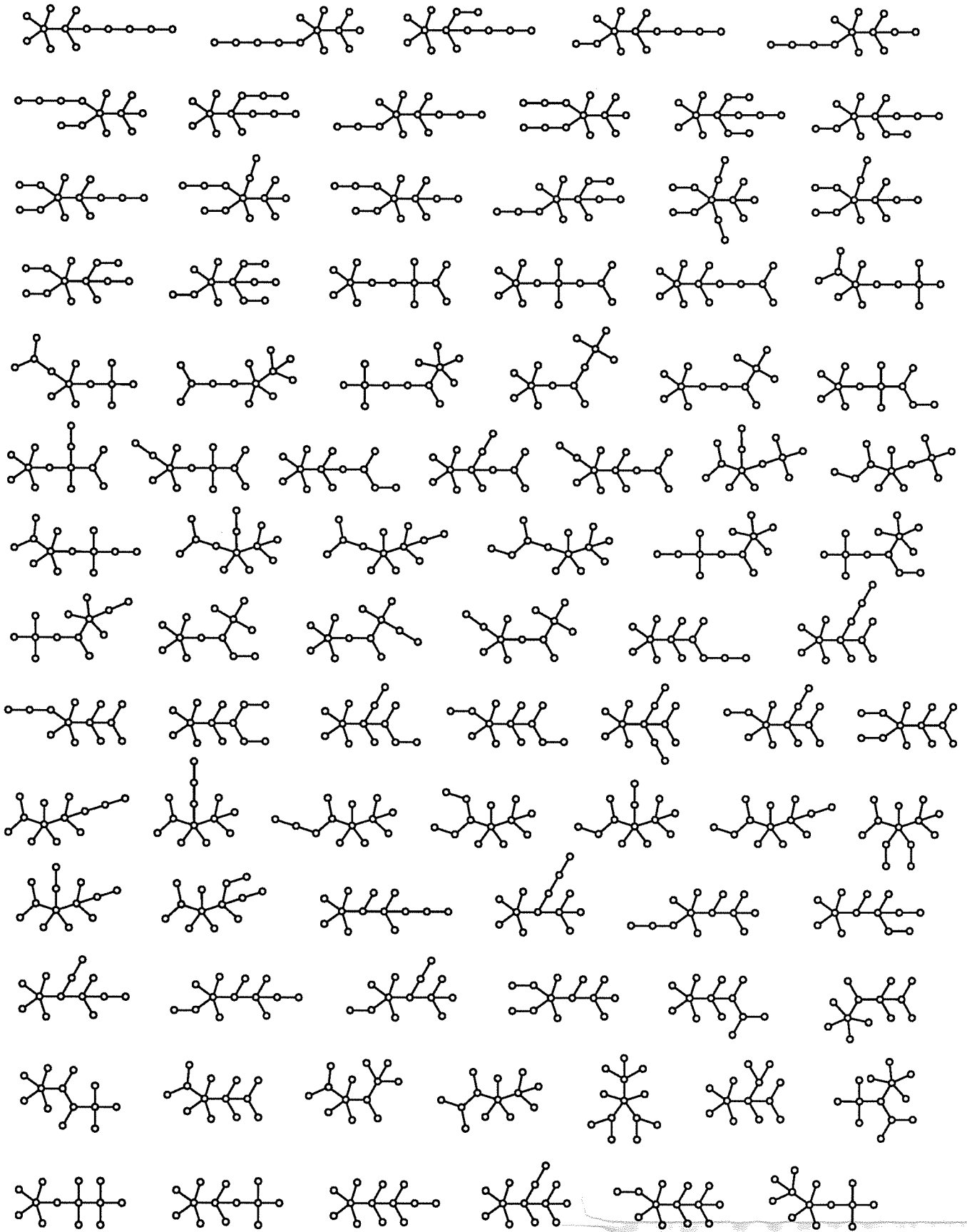


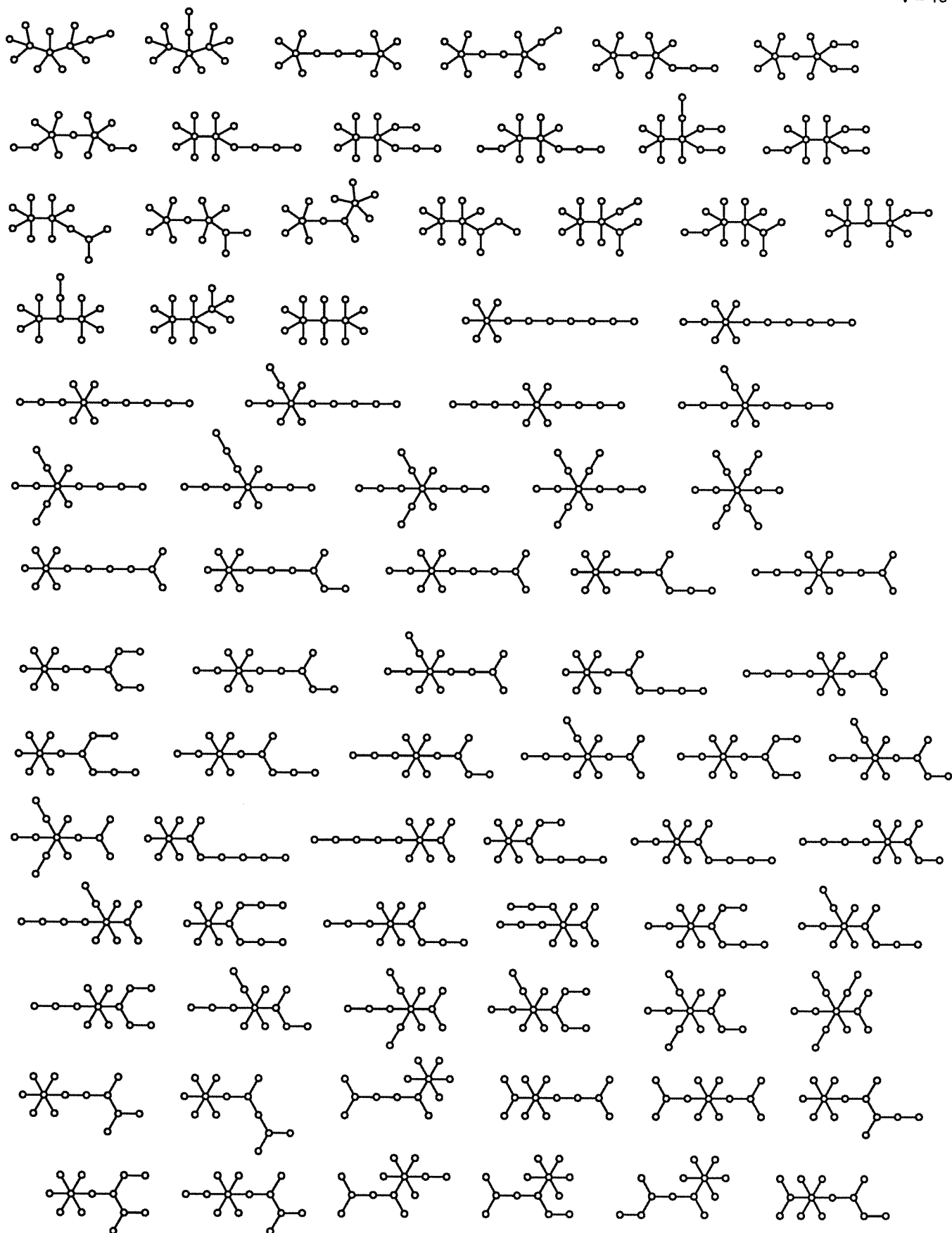
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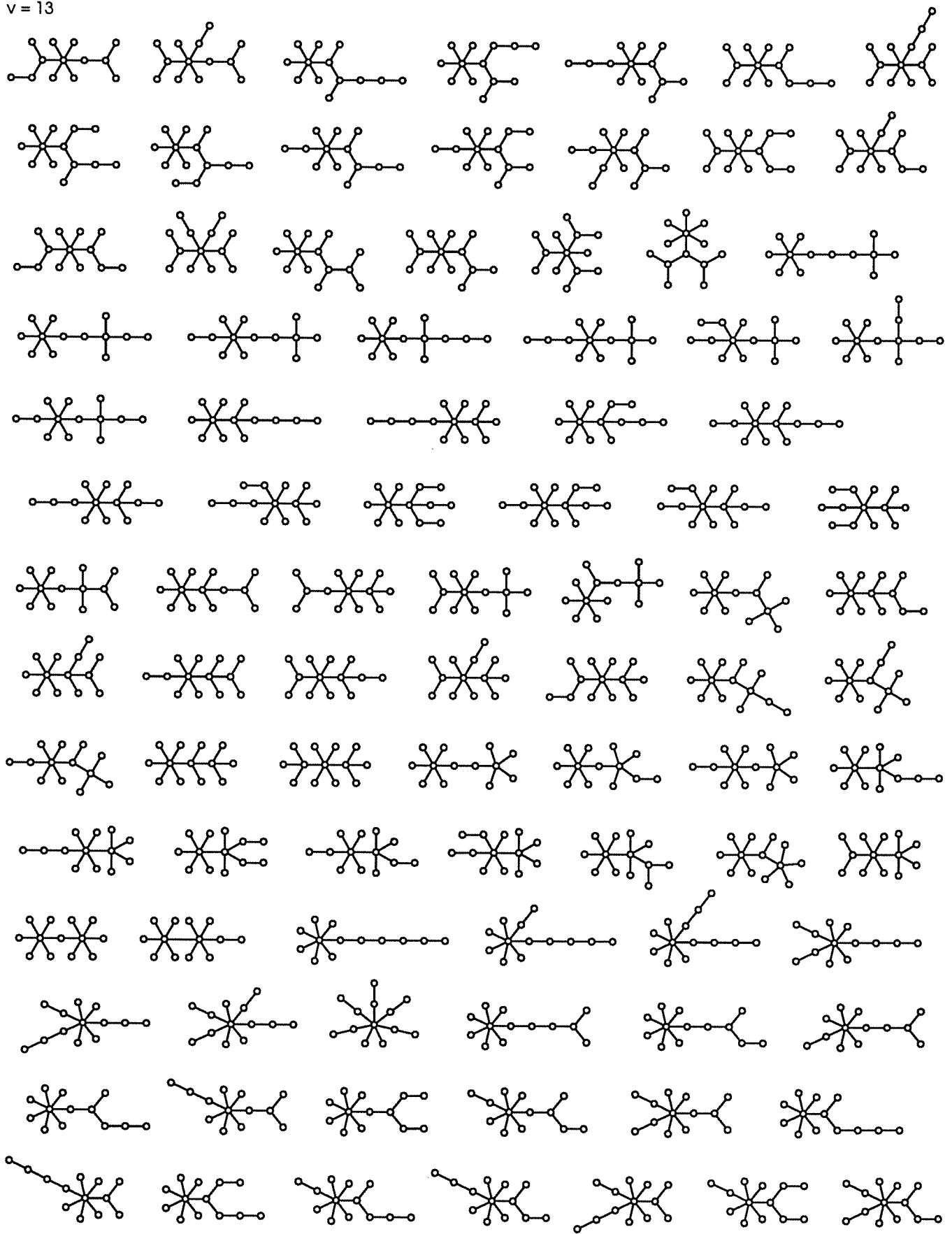


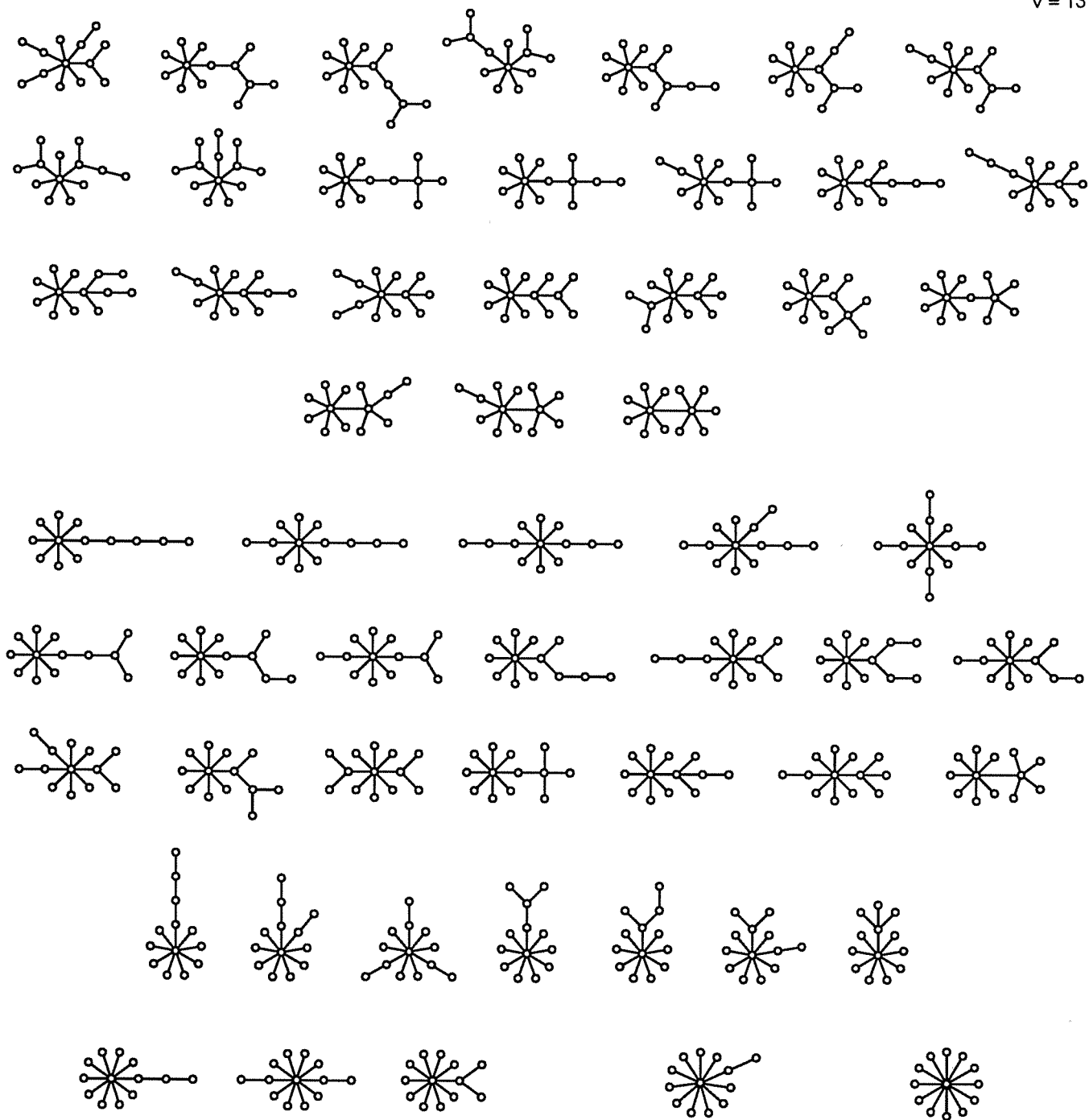
v = 13





v = 13





Degree Sequences of Trees ($v \leq 13$)

The degree of a vertex is the number of edges incident on it. A degree sequence is a set of degrees for all the vertices of a graph. These tables show the number of trees (bold) for each sequence.

$v = 2$

11 **1**

$v = 3$

112 **1**

$v = 4$

1113 **1**

1122 **1**

$v = 5$

11114 **1**

11123 **1**

11222 **1**

$v = 6$

111 115 **1**

111 124 **1**

111 133 **1**

111 223 **2**

112 222 **1**

$v = 7$

1111 116 **1**

1111 125 **1**

1111 134 **1**

1111 224 **2**

1111 233 **2**

1112 223 **3**

1122 222 **1**

$v = 8$

1111 1117 **1**

1111 1126 **1**

1111 1135 **1**

1111 1144 **1**

1111 1225 **2**

1111 1234 **3**

1111 1333 **1**

1111 2224 **3**

1111 2233 **5**

1112 2223 **4**

1122 2222 **1**

$v = 9$

111 111 118 **1**

111 111 127 **1**

111 111 136 **1**

111 111 145 **1**

111 111 226 **2**

111 111 235 **3**

111 111 244 **2**

111 111 334 **2**

111 112 225 **3**

111 112 234 **8**

111 112 333 **3**

111 122 224 **5**

111 122 233 **9**

111 222 223 **5**

112 222 222 **1**

$v = 10$

11111 11119 **1**

11111 11128 **1**

11111 11137 **1**

11111 11146 **1**

11111 11155 **1**

11111 11227 **2**

11111 11236 **3**

11111 11245 **3**

11111 11335 **2**

11111 11344 **2**

11111 12226 **3**

11111 12235 **8**

11111 12244 **5**

11111 12334 **8**

11111 13333 **2**

11111 22225 **5**

11111 22234 **17**

11111 22333 **10**

11112 22224 **6**

11112 22233 **17**

11122 22223 **7**

11222 22222 **1**

$v = 11$

1111 1111 1110 **1**

1111 1111 129 **1**

1111 1111 138 **1**

1111 1111 147 **1**

1111 1111 156 **1**

1111 1111 228 **2**

1111 1111 237 **3**

1111 1111 246 **3**

1111 1111 255 **2**

1111 1111 336 **2**

1111 1111 345 **3**

1111 1111 444 **1**

1111 1112 227 **3**

1111 1112 236 **8**

1111 1112 245 **8**

1111 1112 335 **8**

1111 1112 344 **8**

1111 1113 334 **4**

1111 1122 226 **5**

1111 1122 235 **17**

1111 1122 244 **10**

1111 1122 334 **28**

1111 1123 333 **6**

1111 1222 225 **7**

1111 1222 234 **33**

1111 1222 333 **24**

1111 2222 224 **9**

1111 2222 233 **27**

1112 2222 223 **8**

1122 2222 222 **1**

v = 12

1111 1111 1111 <u>1</u>	1
1111 1111 112 <u>10</u>	1
1111 1111 1139	1
1111 1111 1148	1
1111 1111 1157	1
1111 1111 1166	1
1111 1111 1229	2
1111 1111 1238	3
1111 1111 1247	3
1111 1111 1256	3
1111 1111 1337	2
1111 1111 1346	3
1111 1111 1355	2
1111 1111 1445	2
1111 1111 2228	3
1111 1111 2237	8
1111 1111 2246	8
1111 1111 2255	5
1111 1111 2336	8
1111 1111 2345	15
1111 1111 2444	3
1111 1111 3335	4
1111 1111 3344	6
1111 1112 2227	5
1111 1112 2236	17
1111 1112 2245	18
1111 1112 2335	28
1111 1112 2344	28
1111 1112 3334	21
1111 1113 3333	2
1111 1122 2226	7
1111 1122 2235	34
1111 1122 2244	20
1111 1122 2334	73
1111 1122 3333	24
1111 1222 2225	10
1111 1222 2234	58
1111 1222 2333	55
1111 2222 2224	11
1111 2222 2233	43
1112 2222 2223	10
1122 2222 2222	1

v = 13

11111 1111 1111 <u>2</u>	1
11111 1111 112 <u>11</u>	1
11111 1111 113 <u>10</u>	1
11111 1111 1149	1
11111 1111 1158	1
11111 1111 1167	1
11111 1111 122 <u>10</u>	2
11111 1111 1239	3
11111 1111 1248	3
11111 1111 1257	3
11111 1111 1266	2
11111 1111 1338	2
11111 1111 1347	3
11111 1111 1356	3
11111 1111 1446	2
11111 1111 1455	2
11111 1111 2229	3
11111 1111 2238	8
11111 1111 2247	8
11111 1111 2256	8
11111 1111 2337	8
11111 1111 2346	15
11111 1111 2355	8
11111 1111 2445	8
11111 1111 3336	4
11111 1111 3345	9
11111 1111 3444	4
11111 1112 2228	5
11111 1112 2237	17
11111 1112 2246	18
11111 1112 2255	10
11111 1112 2336	28
11111 1112 2345	53
11111 1112 2444	11
11111 1112 3335	21
11111 1112 3344	31
11111 1113 3334	8
11111 1122 2227	7
11111 1122 2236	34
11111 1122 2245	37
11111 1122 2335	74
11111 1122 2344	76
11111 1122 3334	86
11111 1123 3333	11
11111 1222 2226	11
11111 1222 2235	61
11111 1222 2244	35
11111 1222 2334	174
11111 1222 3333	69
11111 2222 2225	13

11111 2222 2234	97
11111 2222 2333	109
11112 2222 2224	15
11112 2222 2233	63
11122 2222 2223	12
11222 2222 2222	1