

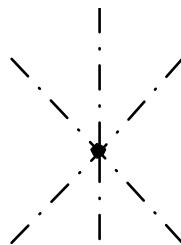
Appendix D

Vertices in 4D-OPP's defined in terms of Extreme and Non-Extreme Edges and Their Corresponding 4D Configurations

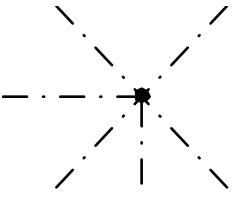
In each vertex continuous lines indicate Extreme edges and dotted lines indicate Non-Extreme edges.

| VX0 | | | |
|-----------------------------------|---|-----------------------------------|---|
| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
| 0 | 1 | 16 | 253 |
| 4 | 13 | 12 | 241 |
| 8 | 109 132 | | |

| VX0N2 | | | |
|-----------------------------------|---|-----------------------------------|---|
| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
| 4 | 17 26 | 12 | 231 |
| 8 | 120 144 116 | | |

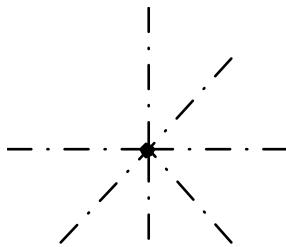


| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|
| 8 | 142 |



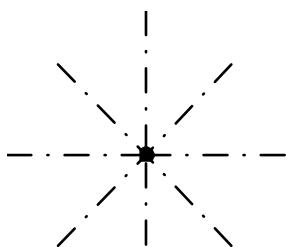
VX0N6-2

| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|
| 8 | 143 |



VX0N7

| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|-----------------------------------|---|
| 4 | 18 | 12 | 230 |
| 8 | 125 | | |



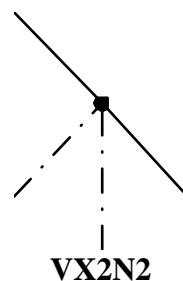
VX0N8

| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|-----------------------------------|---|
| 4 | 27 28 | 12 | 227 226 |
| 8 | 121 123 145 140 | | |



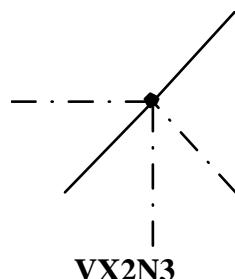
VX2

| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|-----------------------------------|---|
| 2 | 3 | 14 | 251 |
| 6 | 49 | 10 | 205 |
| | 62 | | 198 |
| | 66 | | |



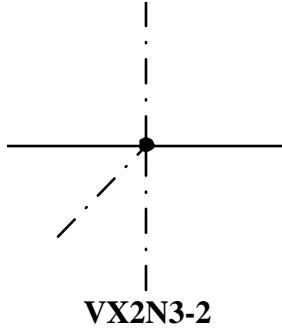
VX2N2

| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|-----------------------------------|---|
| 6 | 59 | 10 | 201 |



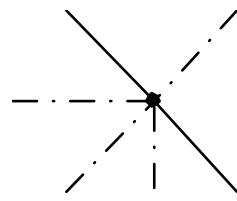
VX2N3

| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|-----------------------------------|---|
| 4 | 16 | 12 | 238 |
| 8 | 131 113 | | |



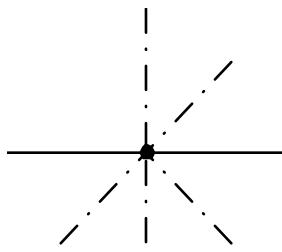
VX2N3-2

| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|
| 6 | 63 |



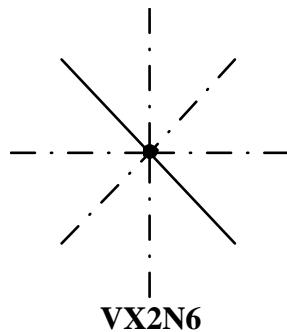
VX2N4

| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|-----------------------------------|---|
| 4 | 25 | 12 | 232 |
| 6 | 52 | 10 | 192 |
| 8 | 141 119 | | |

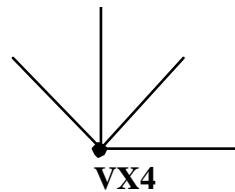


VX2N5

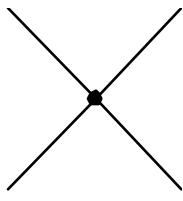
| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|-----------------------------------|---|
| 6 | 64 | 10 | 184 |
| 8 | 138 | | |



| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|-----------------------------------|---|
| 4 | 21 | 12 | 228 |
| 6 | 69 56 | 10 | 196 191 190 188 |
| 8 | 124 128 139 | | |

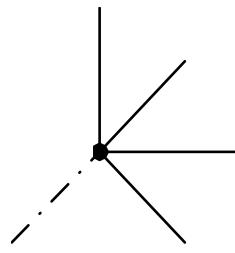


| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|-----------------------------------|---|
| 1 | 2 | 15 | 252 |
| 3 | 7 | 13 | 247 |
| 5 | 29 | 11 | 225 224 |
| 7 | 79 | 9 | 163 175 |



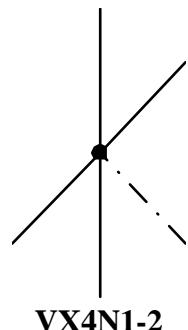
VX4-2

| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|
| 4 | 24 |



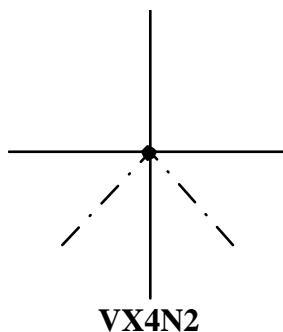
VX4N1

| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|-----------------------------------|---|
| 3 | 9 11 | 13 | 246 245 |
| 5 | 35 40 30 44 | 11 | 212 |
| 7 | 80 84 105 89 90 | 9 | 172 147 156 174 173 |



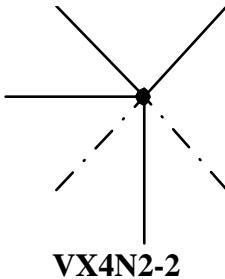
VX4N1-2

| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|-----------------------------------|---|
| 4 | 15 | 12 | 239 |



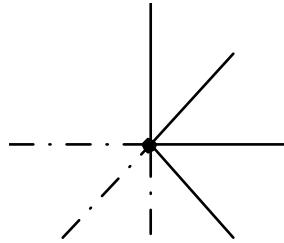
VX4N2

| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|-----------------------------------|---|
| 2 | 4 | 14 | 250 |
| 6 | 50 53 65 67 | 12 | 235 |
| 8 | 112 136 | 10 | 204 200 197 |



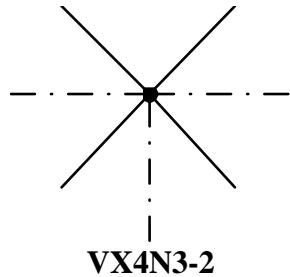
VX4N2-2

| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|-----------------------------------|---|
| 5 | 33 38 42 | 11 | 217 |
| 7 | 98 87 | | |



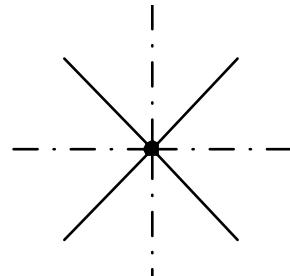
VX4N3

| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|-----------------------------------|--|
| 3 | 8 | 13 | 244 |
| 5 | 31 34 41 43 | 11 | 209 223 221 218 215 |
| 7 | 99 86 106 107 88 91 92 | 9 | 169 167 165 164 160 158 150 149 |



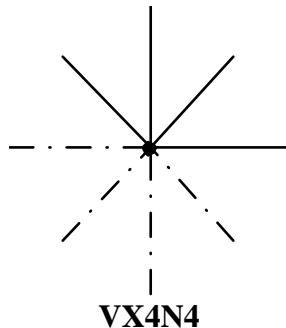
VX4N3-2

| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|-----------------------------------|---|
| 4 | 20 | 12 | 233 |
| 6 | 72 | 8 | 127 |
| | 57 | | 115 |
| | | | 118 |

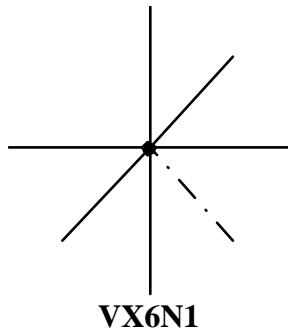


VX4N4-2

| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|-----------------------------------|---|
| 4 | 23 | 12 | 229 |
| 6 | 70 | 10 | 177 195 187 185 |
| 8 | 122 129 130 137 | | |

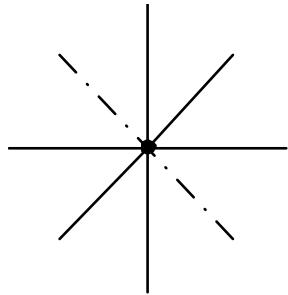


| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|--|-----------------------------------|---|
| 3 | 10 12 | 13 | 243 242 |
| 5 | 45 46 47 32 36 37 39 48 | 11 | 211 210 208 207 206 222 220 219 216 214 213 |
| 7 | 96 94 95 96 100 97 101 81 82 83 85 102 103 104 108 | 9 | 171 170 168 166 146 162 161 159 157 155 154 153 152 151 148 |



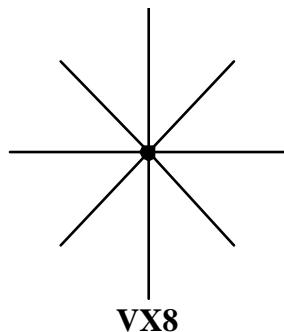
VX6N1

| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|-----------------------------------|---|
| 2 | 5 | 14 | 249 |
| 4 | 14 19 22 | 12 | 234 240 236 |
| 6 | 51 60 76 68 | 10 | 180 203 199 186 |
| 8 | 126 111 114 117 | | |



VX6N2

| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|-----------------------------------|---|
| 6 | 71 73 54 58 77 | 10 | 179 194 189 183 182 |
| 8 | 133 135 | | |



| Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) | Number of surrounding hyper-boxes | Corresponding Configurations (see Appendix A) |
|-----------------------------------|---|-----------------------------------|---|
| 2 | 6 | 14 | 248 |
| 6 | 74 55 61 75 78 | 12 | 237 |
| 8 | 110 134 | 10 | 178 202 176 193 181 |