

**Table of all ADE -types of singular fibers of elliptic $K3$ surfaces and
the torsion parts of their Mordell-Weil groups**

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This is the table of all ADE -types of singular fibers of elliptic $K3$ surfaces and the torsion parts of their Mordell-Weil groups.

In the second column of Table 1, all ADE -types of rank ≤ 18 and euler number ≤ 24 are listed according to the rank and the lexicographic order. For each ADE -type Σ , the third column shows the list of all abelian groups that can be realized as the torsion part of the Mordell-Weil group of an elliptic $K3$ surface $f : X \rightarrow \mathbb{P}^1$ with $\Sigma_f = \Sigma$. Here, $[a]$ is the cyclic group $\mathbb{Z}/(a)$ (in particular, $[1]$ is the trivial group), and $[a, b]$ is the group $\mathbb{Z}/(a) \times \mathbb{Z}/(b)$. The third column being “empty” means that the ADE -type does not appear as an ADE -type of singular fibers of any elliptic $K3$ surface.

Table 2 shows, for each abelian group G with order ≥ 3 that appears as G_f of some elliptic $K3$ surface $f : X \rightarrow \mathbb{P}^1$, the list of all ADE -types Σ such that the pair (Σ, G) appears in Table 1.

Table 1 (rank 1 - rank 9)

| rank 1 | | |
|--------|--------------------|----------|
| 1 | A_1 | [1] |
| rank 2 | | |
| 2 | A_2 | [1] |
| 3 | $2A_1$ | [1] |
| rank 3 | | |
| 4 | A_3 | [1] |
| 5 | $A_2 + A_1$ | [1] |
| 6 | $3A_1$ | [1] |
| rank 4 | | |
| 7 | D_4 | [1] |
| 8 | A_4 | [1] |
| 9 | $A_3 + A_1$ | [1] |
| 10 | $2A_2$ | [1] |
| 11 | $A_2 + 2A_1$ | [1] |
| 12 | $4A_1$ | [1] |
| rank 5 | | |
| 13 | D_5 | [1] |
| 14 | $D_4 + A_1$ | [1] |
| 15 | A_5 | [1] |
| 16 | $A_4 + A_1$ | [1] |
| 17 | $A_3 + A_2$ | [1] |
| 18 | $A_3 + 2A_1$ | [1] |
| 19 | $2A_2 + A_1$ | [1] |
| 20 | $A_2 + 3A_1$ | [1] |
| 21 | $5A_1$ | [1] |
| rank 6 | | |
| 22 | E_6 | [1] |
| 23 | D_6 | [1] |
| 24 | $D_5 + A_1$ | [1] |
| 25 | $D_4 + A_2$ | [1] |
| 26 | $D_4 + 2A_1$ | [1] |
| 27 | A_6 | [1] |
| 28 | $A_5 + A_1$ | [1] |
| 29 | $A_4 + A_2$ | [1] |
| 30 | $A_4 + 2A_1$ | [1] |
| 31 | $2A_3$ | [1] |
| 32 | $A_3 + A_2 + A_1$ | [1] |
| 33 | $A_3 + 3A_1$ | [1] |
| 34 | $3A_2$ | [1] |
| 35 | $2A_2 + 2A_1$ | [1] |
| 36 | $A_2 + 4A_1$ | [1] |
| 37 | $6A_1$ | [1] |
| rank 7 | | |
| 38 | E_7 | [1] |
| 39 | $E_6 + A_1$ | [1] |
| 40 | D_7 | [1] |
| 41 | $D_6 + A_1$ | [1] |
| 42 | $D_5 + A_2$ | [1] |
| 43 | $D_5 + 2A_1$ | [1] |
| 44 | $D_4 + A_3$ | [1] |
| 45 | $D_4 + A_2 + A_1$ | [1] |
| 46 | $D_4 + 3A_1$ | [1] |
| rank 8 | | |
| 47 | A_7 | [1] |
| 48 | $A_6 + A_1$ | [1] |
| 49 | $A_5 + A_2$ | [1] |
| 50 | $A_5 + 2A_1$ | [1] |
| 51 | $A_4 + A_3$ | [1] |
| 52 | $A_4 + A_2 + A_1$ | [1] |
| 53 | $A_4 + 3A_1$ | [1] |
| 54 | $2A_3 + A_1$ | [1] |
| 55 | $A_3 + 2A_2$ | [1] |
| 56 | $A_3 + A_2 + 2A_1$ | [1] |
| 57 | $A_3 + 4A_1$ | [1] |
| 58 | $3A_2 + A_1$ | [1] |
| 59 | $2A_2 + 3A_1$ | [1] |
| 60 | $A_2 + 5A_1$ | [1] |
| 61 | $7A_1$ | [1] |
| rank 9 | | |
| 62 | E_8 | [1] |
| 63 | $E_7 + A_1$ | [1] |
| 64 | $E_6 + A_2$ | [1] |
| 65 | $E_6 + 2A_1$ | [1] |
| 66 | D_8 | [1] |
| 67 | $D_7 + A_1$ | [1] |
| 68 | $D_6 + A_2$ | [1] |
| 69 | $D_6 + 2A_1$ | [1] |
| 70 | $D_5 + A_3$ | [1] |
| 71 | $D_5 + A_2 + A_1$ | [1] |
| 72 | $D_5 + 3A_1$ | [1] |
| 73 | $2D_4$ | [1] |
| 74 | $D_4 + A_4$ | [1] |
| 75 | $D_4 + A_3 + A_1$ | [1] |
| 76 | $D_4 + 2A_2$ | [1] |
| 77 | $D_4 + A_2 + 2A_1$ | [1] |
| 78 | $D_4 + 4A_1$ | [1] |
| 79 | A_8 | [1] |
| 80 | $A_7 + A_1$ | [1] |
| 81 | $A_6 + A_2$ | [1] |
| 82 | $A_6 + 2A_1$ | [1] |
| 83 | $A_5 + A_3$ | [1] |
| 84 | $A_5 + A_2 + A_1$ | [1] |
| 85 | $A_5 + 3A_1$ | [1] |
| 86 | $2A_4$ | [1] |
| 87 | $A_4 + A_3 + A_1$ | [1] |
| 88 | $A_4 + 2A_2$ | [1] |
| 89 | $A_4 + A_2 + 2A_1$ | [1] |
| 90 | $A_4 + 4A_1$ | [1] |
| 91 | $2A_3 + A_2$ | [1] |
| 92 | $2A_3 + 2A_1$ | [1] |
| 93 | $A_3 + 2A_2 + A_1$ | [1] |
| 94 | $A_3 + A_2 + 3A_1$ | [1] |
| 95 | $A_3 + 5A_1$ | [1] |
| 96 | $4A_2$ | [1] |
| 97 | $3A_2 + 2A_1$ | [1] |
| 98 | $2A_2 + 4A_1$ | [1] |
| 99 | $A_2 + 6A_1$ | [1] |
| 100 | $8A_1$ | [1], [2] |
| rank 9 | | |
| 101 | $E_8 + A_1$ | [1] |
| 102 | $E_7 + A_2$ | [1] |

Table 1 (rank 9 - rank 10)

| | | |
|---------|-------------------------|-----------|
| 103 | $E_7 + 2A_1$ | [1] |
| 104 | $E_6 + A_3$ | [1] |
| 105 | $E_6 + A_2 + A_1$ | [1] |
| 106 | $E_6 + 3A_1$ | [1] |
| 107 | D_9 | [1] |
| 108 | $D_8 + A_1$ | [1] |
| 109 | $D_7 + A_2$ | [1] |
| 110 | $D_7 + 2A_1$ | [1] |
| 111 | $D_6 + A_3$ | [1] |
| 112 | $D_6 + A_2 + A_1$ | [1] |
| 113 | $D_6 + 3A_1$ | [1] |
| 114 | $D_5 + D_4$ | [1] |
| 115 | $D_5 + A_4$ | [1] |
| 116 | $D_5 + A_3 + A_1$ | [1] |
| 117 | $D_5 + 2A_2$ | [1] |
| 118 | $D_5 + A_2 + 2A_1$ | [1] |
| 119 | $D_5 + 4A_1$ | [1] |
| 120 | $2D_4 + A_1$ | [1] |
| 121 | $D_4 + A_5$ | [1] |
| 122 | $D_4 + A_4 + A_1$ | [1] |
| 123 | $D_4 + A_3 + A_2$ | [1] |
| 124 | $D_4 + A_3 + 2A_1$ | [1] |
| 125 | $D_4 + 2A_2 + A_1$ | [1] |
| 126 | $D_4 + A_2 + 3A_1$ | [1] |
| 127 | $D_4 + 5A_1$ | [1] |
| 128 | A_9 | [1] |
| 129 | $A_8 + A_1$ | [1] |
| 130 | $A_7 + A_2$ | [1] |
| 131 | $A_7 + 2A_1$ | [1] |
| 132 | $A_6 + A_3$ | [1] |
| 133 | $A_6 + A_2 + A_1$ | [1] |
| 134 | $A_6 + 3A_1$ | [1] |
| 135 | $A_5 + A_4$ | [1] |
| 136 | $A_5 + A_3 + A_1$ | [1] |
| 137 | $A_5 + 2A_2$ | [1] |
| 138 | $A_5 + A_2 + 2A_1$ | [1] |
| 139 | $A_5 + 4A_1$ | [1] |
| 140 | $2A_4 + A_1$ | [1] |
| 141 | $A_4 + A_3 + A_2$ | [1] |
| 142 | $A_4 + A_3 + 2A_1$ | [1] |
| 143 | $A_4 + 2A_2 + A_1$ | [1] |
| 144 | $A_4 + A_2 + 3A_1$ | [1] |
| 145 | $A_4 + 5A_1$ | [1] |
| 146 | $3A_3$ | [1] |
| 147 | $2A_3 + A_2 + A_1$ | [1] |
| 148 | $2A_3 + 3A_1$ | [1] |
| 149 | $A_3 + 3A_2$ | [1] |
| 150 | $A_3 + 2A_2 + 2A_1$ | [1] |
| 151 | $A_3 + A_2 + 4A_1$ | [1] |
| 152 | $A_3 + 6A_1$ | [1] , [2] |
| 153 | $4A_2 + A_1$ | [1] |
| 154 | $3A_2 + 3A_1$ | [1] |
| 155 | $2A_2 + 5A_1$ | [1] |
| 156 | $A_2 + 7A_1$ | [1] |
| 157 | $9A_1$ | [1] , [2] |
| rank 10 | | |
| 158 | $E_8 + A_2$ | [1] |
| 159 | $E_8 + 2A_1$ | [1] |
| 160 | $E_7 + A_3$ | [1] |
| 161 | $E_7 + A_2 + A_1$ | [1] |
| 162 | $E_7 + 3A_1$ | [1] |
| 163 | $E_6 + D_4$ | [1] |
| 164 | $E_6 + A_4$ | [1] |
| 165 | $E_6 + A_3 + A_1$ | [1] |
| 166 | $E_6 + 2A_2$ | [1] |
| 167 | $E_6 + A_2 + 2A_1$ | [1] |
| 168 | $E_6 + 4A_1$ | [1] |
| 169 | D_{10} | [1] |
| 170 | $D_9 + A_1$ | [1] |
| 171 | $D_8 + A_2$ | [1] |
| 172 | $D_8 + 2A_1$ | [1] |
| 173 | $D_7 + A_3$ | [1] |
| 174 | $D_7 + A_2 + A_1$ | [1] |
| 175 | $D_7 + 3A_1$ | [1] |
| 176 | $D_6 + D_4$ | [1] |
| 177 | $D_6 + A_4$ | [1] |
| 178 | $D_6 + A_3 + A_1$ | [1] |
| 179 | $D_6 + 2A_2$ | [1] |
| 180 | $D_6 + A_2 + 2A_1$ | [1] |
| 181 | $D_6 + 4A_1$ | [1] |
| 182 | $2D_5$ | [1] |
| 183 | $D_5 + D_4 + A_1$ | [1] |
| 184 | $D_5 + A_5$ | [1] |
| 185 | $D_5 + A_4 + A_1$ | [1] |
| 186 | $D_5 + A_3 + A_2$ | [1] |
| 187 | $D_5 + A_3 + 2A_1$ | [1] |
| 188 | $D_5 + 2A_2 + A_1$ | [1] |
| 189 | $D_5 + A_2 + 3A_1$ | [1] |
| 190 | $D_5 + 5A_1$ | [1] |
| 191 | $2D_4 + A_2$ | [1] |
| 192 | $2D_4 + 2A_1$ | [1] |
| 193 | $D_4 + A_6$ | [1] |
| 194 | $D_4 + A_5 + A_1$ | [1] |
| 195 | $D_4 + A_4 + A_2$ | [1] |
| 196 | $D_4 + A_4 + 2A_1$ | [1] |
| 197 | $D_4 + 2A_3$ | [1] |
| 198 | $D_4 + A_3 + A_2 + A_1$ | [1] |
| 199 | $D_4 + A_3 + 3A_1$ | [1] |
| 200 | $D_4 + 3A_2$ | [1] |
| 201 | $D_4 + 2A_2 + 2A_1$ | [1] |
| 202 | $D_4 + A_2 + 4A_1$ | [1] |
| 203 | $D_4 + 6A_1$ | [1] , [2] |
| 204 | A_{10} | [1] |
| 205 | $A_9 + A_1$ | [1] |
| 206 | $A_8 + A_2$ | [1] |
| 207 | $A_8 + 2A_1$ | [1] |
| 208 | $A_7 + A_3$ | [1] |
| 209 | $A_7 + A_2 + A_1$ | [1] |
| 210 | $A_7 + 3A_1$ | [1] |
| 211 | $A_6 + A_4$ | [1] |
| 212 | $A_6 + A_3 + A_1$ | [1] |
| 213 | $A_6 + 2A_2$ | [1] |
| 214 | $A_6 + A_2 + 2A_1$ | [1] |
| 215 | $A_6 + 4A_1$ | [1] |
| 216 | $2A_5$ | [1] |
| 217 | $A_5 + A_4 + A_1$ | [1] |
| 218 | $A_5 + A_3 + A_2$ | [1] |
| 219 | $A_5 + A_3 + 2A_1$ | [1] |
| 220 | $A_5 + 2A_2 + A_1$ | [1] |

Table 1 (rank 10 - rank 11)

| | | |
|---------|--------------------------|-----------|
| 221 | $A_5 + A_2 + 3A_1$ | [1] |
| 222 | $A_5 + 5A_1$ | [1] , [2] |
| 223 | $2A_4 + A_2$ | [1] |
| 224 | $2A_4 + 2A_1$ | [1] |
| 225 | $A_4 + 2A_3$ | [1] |
| 226 | $A_4 + A_3 + A_2 + A_1$ | [1] |
| 227 | $A_4 + A_3 + 3A_1$ | [1] |
| 228 | $A_4 + 3A_2$ | [1] |
| 229 | $A_4 + 2A_2 + 2A_1$ | [1] |
| 230 | $A_4 + A_2 + 4A_1$ | [1] |
| 231 | $A_4 + 6A_1$ | [1] |
| 232 | $3A_3 + A_1$ | [1] |
| 233 | $2A_3 + 2A_2$ | [1] |
| 234 | $2A_3 + A_2 + 2A_1$ | [1] |
| 235 | $2A_3 + 4A_1$ | [1] , [2] |
| 236 | $A_3 + 3A_2 + A_1$ | [1] |
| 237 | $A_3 + 2A_2 + 3A_1$ | [1] |
| 238 | $A_3 + A_2 + 5A_1$ | [1] |
| 239 | $A_3 + 7A_1$ | [1] , [2] |
| 240 | $5A_2$ | [1] |
| 241 | $4A_2 + 2A_1$ | [1] |
| 242 | $3A_2 + 4A_1$ | [1] |
| 243 | $2A_2 + 6A_1$ | [1] |
| 244 | $A_2 + 8A_1$ | [1] , [2] |
| 245 | $10A_1$ | [1] , [2] |
| rank 11 | | |
| 246 | $E_8 + A_3$ | [1] |
| 247 | $E_8 + A_2 + A_1$ | [1] |
| 248 | $E_8 + 3A_1$ | [1] |
| 249 | $E_7 + D_4$ | [1] |
| 250 | $E_7 + A_4$ | [1] |
| 251 | $E_7 + A_3 + A_1$ | [1] |
| 252 | $E_7 + 2A_2$ | [1] |
| 253 | $E_7 + A_2 + 2A_1$ | [1] |
| 254 | $E_7 + 4A_1$ | [1] |
| 255 | $E_6 + D_5$ | [1] |
| 256 | $E_6 + D_4 + A_1$ | [1] |
| 257 | $E_6 + A_5$ | [1] |
| 258 | $E_6 + A_4 + A_1$ | [1] |
| 259 | $E_6 + A_3 + A_2$ | [1] |
| 260 | $E_6 + A_3 + 2A_1$ | [1] |
| 261 | $E_6 + 2A_2 + A_1$ | [1] |
| 262 | $E_6 + A_2 + 3A_1$ | [1] |
| 263 | $E_6 + 5A_1$ | [1] |
| 264 | D_{11} | [1] |
| 265 | $D_{10} + A_1$ | [1] |
| 266 | $D_9 + A_2$ | [1] |
| 267 | $D_9 + 2A_1$ | [1] |
| 268 | $D_8 + A_3$ | [1] |
| 269 | $D_8 + A_2 + A_1$ | [1] |
| 270 | $D_8 + 3A_1$ | [1] |
| 271 | $D_7 + D_4$ | [1] |
| 272 | $D_7 + A_4$ | [1] |
| 273 | $D_7 + A_3 + A_1$ | [1] |
| 274 | $D_7 + 2A_2$ | [1] |
| 275 | $D_7 + A_2 + 2A_1$ | [1] |
| 276 | $D_7 + 4A_1$ | [1] |
| 277 | $D_6 + D_5$ | [1] |
| 278 | $D_6 + D_4 + A_1$ | [1] |
| 279 | $D_6 + A_5$ | [1] |
| 280 | $D_6 + A_4 + A_1$ | [1] |
| 281 | $D_6 + A_3 + A_2$ | [1] |
| 282 | $D_6 + A_3 + 2A_1$ | [1] |
| 283 | $D_6 + 2A_2 + A_1$ | [1] |
| 284 | $D_6 + A_2 + 3A_1$ | [1] |
| 285 | $D_6 + 5A_1$ | [1] , [2] |
| 286 | $2D_5 + A_1$ | [1] |
| 287 | $D_5 + D_4 + A_2$ | [1] |
| 288 | $D_5 + D_4 + 2A_1$ | [1] |
| 289 | $D_5 + A_6$ | [1] |
| 290 | $D_5 + A_5 + A_1$ | [1] |
| 291 | $D_5 + A_4 + A_2$ | [1] |
| 292 | $D_5 + A_4 + 2A_1$ | [1] |
| 293 | $D_5 + 2A_3$ | [1] |
| 294 | $D_5 + A_3 + A_2 + A_1$ | [1] |
| 295 | $D_5 + A_3 + 3A_1$ | [1] |
| 296 | $D_5 + 3A_2$ | [1] |
| 297 | $D_5 + 2A_2 + 2A_1$ | [1] |
| 298 | $D_5 + A_2 + 4A_1$ | [1] |
| 299 | $D_5 + 6A_1$ | [1] , [2] |
| 300 | $2D_4 + A_3$ | [1] |
| 301 | $2D_4 + A_2 + A_1$ | [1] |
| 302 | $2D_4 + 3A_1$ | [1] |
| 303 | $D_4 + A_7$ | [1] |
| 304 | $D_4 + A_6 + A_1$ | [1] |
| 305 | $D_4 + A_5 + A_2$ | [1] |
| 306 | $D_4 + A_5 + 2A_1$ | [1] |
| 307 | $D_4 + A_4 + A_3$ | [1] |
| 308 | $D_4 + A_4 + A_2 + A_1$ | [1] |
| 309 | $D_4 + A_4 + 3A_1$ | [1] |
| 310 | $D_4 + 2A_3 + A_1$ | [1] |
| 311 | $D_4 + A_3 + 2A_2$ | [1] |
| 312 | $D_4 + A_3 + A_2 + 2A_1$ | [1] |
| 313 | $D_4 + A_3 + 4A_1$ | [1] , [2] |
| 314 | $D_4 + 3A_2 + A_1$ | [1] |
| 315 | $D_4 + 2A_2 + 3A_1$ | [1] |
| 316 | $D_4 + A_2 + 5A_1$ | [1] |
| 317 | $D_4 + 7A_1$ | [1] , [2] |
| 318 | A_{11} | [1] |
| 319 | $A_{10} + A_1$ | [1] |
| 320 | $A_9 + A_2$ | [1] |
| 321 | $A_9 + 2A_1$ | [1] |
| 322 | $A_8 + A_3$ | [1] |
| 323 | $A_8 + A_2 + A_1$ | [1] |
| 324 | $A_8 + 3A_1$ | [1] |
| 325 | $A_7 + A_4$ | [1] |
| 326 | $A_7 + A_3 + A_1$ | [1] |
| 327 | $A_7 + 2A_2$ | [1] |
| 328 | $A_7 + A_2 + 2A_1$ | [1] |
| 329 | $A_7 + 4A_1$ | [1] , [2] |
| 330 | $A_6 + A_5$ | [1] |
| 331 | $A_6 + A_4 + A_1$ | [1] |
| 332 | $A_6 + A_3 + A_2$ | [1] |
| 333 | $A_6 + A_3 + 2A_1$ | [1] |
| 334 | $A_6 + 2A_2 + A_1$ | [1] |
| 335 | $A_6 + A_2 + 3A_1$ | [1] |
| 336 | $A_6 + 5A_1$ | [1] |
| 337 | $2A_5 + A_1$ | [1] |
| 338 | $A_5 + A_4 + A_2$ | [1] |

Table 1 (rank 11 - rank 12)

| | | |
|---------|--------------------------|-----------|
| 339 | $A_5 + A_4 + 2A_1$ | [1] |
| 340 | $A_5 + 2A_3$ | [1] |
| 341 | $A_5 + A_3 + A_2 + A_1$ | [1] |
| 342 | $A_5 + A_3 + 3A_1$ | [1] , [2] |
| 343 | $A_5 + 3A_2$ | [1] |
| 344 | $A_5 + 2A_2 + 2A_1$ | [1] |
| 345 | $A_5 + A_2 + 4A_1$ | [1] |
| 346 | $A_5 + 6A_1$ | [1] , [2] |
| 347 | $2A_4 + A_3$ | [1] |
| 348 | $2A_4 + A_2 + A_1$ | [1] |
| 349 | $2A_4 + 3A_1$ | [1] |
| 350 | $A_4 + 2A_3 + A_1$ | [1] |
| 351 | $A_4 + A_3 + 2A_2$ | [1] |
| 352 | $A_4 + A_3 + A_2 + 2A_1$ | [1] |
| 353 | $A_4 + A_3 + 4A_1$ | [1] |
| 354 | $A_4 + 3A_2 + A_1$ | [1] |
| 355 | $A_4 + 2A_2 + 3A_1$ | [1] |
| 356 | $A_4 + A_2 + 5A_1$ | [1] |
| 357 | $A_4 + 7A_1$ | [1] |
| 358 | $3A_3 + A_2$ | [1] |
| 359 | $3A_3 + 2A_1$ | [1] , [2] |
| 360 | $2A_3 + 2A_2 + A_1$ | [1] |
| 361 | $2A_3 + A_2 + 3A_1$ | [1] |
| 362 | $2A_3 + 5A_1$ | [1] , [2] |
| 363 | $A_3 + 4A_2$ | [1] |
| 364 | $A_3 + 3A_2 + 2A_1$ | [1] |
| 365 | $A_3 + 2A_2 + 4A_1$ | [1] |
| 366 | $A_3 + A_2 + 6A_1$ | [1] , [2] |
| 367 | $A_3 + 8A_1$ | [1] , [2] |
| 368 | $5A_2 + A_1$ | [1] |
| 369 | $4A_2 + 3A_1$ | [1] |
| 370 | $3A_2 + 5A_1$ | [1] |
| 371 | $2A_2 + 7A_1$ | [1] |
| 372 | $A_2 + 9A_1$ | [1] , [2] |
| 373 | $11A_1$ | [2] |
| rank 12 | | |
| 374 | $E_8 + D_4$ | [1] |
| 375 | $E_8 + A_4$ | [1] |
| 376 | $E_8 + A_3 + A_1$ | [1] |
| 377 | $E_8 + 2A_2$ | [1] |
| 378 | $E_8 + A_2 + 2A_1$ | [1] |
| 379 | $E_8 + 4A_1$ | [1] |
| 380 | $E_7 + D_5$ | [1] |
| 381 | $E_7 + D_4 + A_1$ | [1] |
| 382 | $E_7 + A_5$ | [1] |
| 383 | $E_7 + A_4 + A_1$ | [1] |
| 384 | $E_7 + A_3 + A_2$ | [1] |
| 385 | $E_7 + A_3 + 2A_1$ | [1] |
| 386 | $E_7 + 2A_2 + A_1$ | [1] |
| 387 | $E_7 + A_2 + 3A_1$ | [1] |
| 388 | $E_7 + 5A_1$ | [1] , [2] |
| 389 | $2E_6$ | [1] |
| 390 | $E_6 + D_6$ | [1] |
| 391 | $E_6 + D_5 + A_1$ | [1] |
| 392 | $E_6 + D_4 + A_2$ | [1] |
| 393 | $E_6 + D_4 + 2A_1$ | [1] |
| 394 | $E_6 + A_6$ | [1] |
| 395 | $E_6 + A_5 + A_1$ | [1] |
| 396 | $E_6 + A_4 + A_2$ | [1] |
| 397 | $E_6 + A_4 + 2A_1$ | [1] |
| 398 | $E_6 + 2A_3$ | [1] |
| 399 | $E_6 + A_3 + A_2 + A_1$ | [1] |
| 400 | $E_6 + A_3 + 3A_1$ | [1] |
| 401 | $E_6 + 3A_2$ | [1] |
| 402 | $E_6 + 2A_2 + 2A_1$ | [1] |
| 403 | $E_6 + A_2 + 4A_1$ | [1] |
| 404 | $E_6 + 6A_1$ | [1] |
| 405 | D_{12} | [1] |
| 406 | $D_{11} + A_1$ | [1] |
| 407 | $D_{10} + A_2$ | [1] |
| 408 | $D_{10} + 2A_1$ | [1] |
| 409 | $D_9 + A_3$ | [1] |
| 410 | $D_9 + A_2 + A_1$ | [1] |
| 411 | $D_9 + 3A_1$ | [1] |
| 412 | $D_8 + D_4$ | [1] |
| 413 | $D_8 + A_4$ | [1] |
| 414 | $D_8 + A_3 + A_1$ | [1] |
| 415 | $D_8 + 2A_2$ | [1] |
| 416 | $D_8 + A_2 + 2A_1$ | [1] |
| 417 | $D_8 + 4A_1$ | [1] , [2] |
| 418 | $D_7 + D_5$ | [1] |
| 419 | $D_7 + D_4 + A_1$ | [1] |
| 420 | $D_7 + A_5$ | [1] |
| 421 | $D_7 + A_4 + A_1$ | [1] |
| 422 | $D_7 + A_3 + A_2$ | [1] |
| 423 | $D_7 + A_3 + 2A_1$ | [1] |
| 424 | $D_7 + 2A_2 + A_1$ | [1] |
| 425 | $D_7 + A_2 + 3A_1$ | [1] |
| 426 | $D_7 + 5A_1$ | [1] |
| 427 | $2D_6$ | [1] |
| 428 | $D_6 + D_5 + A_1$ | [1] |
| 429 | $D_6 + D_4 + A_2$ | [1] |
| 430 | $D_6 + D_4 + 2A_1$ | [1] |
| 431 | $D_6 + A_6$ | [1] |
| 432 | $D_6 + A_5 + A_1$ | [1] |
| 433 | $D_6 + A_4 + A_2$ | [1] |
| 434 | $D_6 + A_4 + 2A_1$ | [1] |
| 435 | $D_6 + 2A_3$ | [1] |
| 436 | $D_6 + A_3 + A_2 + A_1$ | [1] |
| 437 | $D_6 + A_3 + 3A_1$ | [1] , [2] |
| 438 | $D_6 + 3A_2$ | [1] |
| 439 | $D_6 + 2A_2 + 2A_1$ | [1] |
| 440 | $D_6 + A_2 + 4A_1$ | [1] |
| 441 | $D_6 + 6A_1$ | [1] , [2] |
| 442 | $2D_5 + A_2$ | [1] |
| 443 | $2D_5 + 2A_1$ | [1] |
| 444 | $D_5 + D_4 + A_3$ | [1] |
| 445 | $D_5 + D_4 + A_2 + A_1$ | [1] |
| 446 | $D_5 + D_4 + 3A_1$ | [1] |
| 447 | $D_5 + A_7$ | [1] |
| 448 | $D_5 + A_6 + A_1$ | [1] |
| 449 | $D_5 + A_5 + A_2$ | [1] |
| 450 | $D_5 + A_5 + 2A_1$ | [1] |
| 451 | $D_5 + A_4 + A_3$ | [1] |
| 452 | $D_5 + A_4 + A_2 + A_1$ | [1] |
| 453 | $D_5 + A_4 + 3A_1$ | [1] |
| 454 | $D_5 + 2A_3 + A_1$ | [1] |
| 455 | $D_5 + A_3 + 2A_2$ | [1] |
| 456 | $D_5 + A_3 + A_2 + 2A_1$ | [1] |

Table 1 (rank 12 - rank 13)

| | | | | | |
|-----|--------------------------|-----------|-----|--------------------------|-----------|
| 457 | $D_5 + A_3 + 4A_1$ | [1] , [2] | 517 | $A_6 + 2A_2 + 2A_1$ | [1] |
| 458 | $D_5 + 3A_2 + A_1$ | [1] | 518 | $A_6 + A_2 + 4A_1$ | [1] |
| 459 | $D_5 + 2A_2 + 3A_1$ | [1] | 519 | $A_6 + 6A_1$ | [1] |
| 460 | $D_5 + A_2 + 5A_1$ | [1] | 520 | $2A_5 + A_2$ | [1] |
| 461 | $D_5 + 7A_1$ | [1] , [2] | 521 | $2A_5 + 2A_1$ | [1] , [2] |
| 462 | $3D_4$ | [1] | 522 | $A_5 + A_4 + A_3$ | [1] |
| 463 | $2D_4 + A_4$ | [1] | 523 | $A_5 + A_4 + A_2 + A_1$ | [1] |
| 464 | $2D_4 + A_3 + A_1$ | [1] | 524 | $A_5 + A_4 + 3A_1$ | [1] |
| 465 | $2D_4 + 2A_2$ | [1] | 525 | $A_5 + 2A_3 + A_1$ | [1] , [2] |
| 466 | $2D_4 + A_2 + 2A_1$ | [1] | 526 | $A_5 + A_3 + 2A_2$ | [1] |
| 467 | $2D_4 + 4A_1$ | [1] , [2] | 527 | $A_5 + A_3 + A_2 + 2A_1$ | [1] |
| 468 | $D_4 + A_8$ | [1] | 528 | $A_5 + A_3 + 4A_1$ | [1] , [2] |
| 469 | $D_4 + A_7 + A_1$ | [1] | 529 | $A_5 + 3A_2 + A_1$ | [1] |
| 470 | $D_4 + A_6 + A_2$ | [1] | 530 | $A_5 + 2A_2 + 3A_1$ | [1] |
| 471 | $D_4 + A_6 + 2A_1$ | [1] | 531 | $A_5 + A_2 + 5A_1$ | [1] , [2] |
| 472 | $D_4 + A_5 + A_3$ | [1] | 532 | $A_5 + 7A_1$ | [1] , [2] |
| 473 | $D_4 + A_5 + A_2 + A_1$ | [1] | 533 | $3A_4$ | [1] |
| 474 | $D_4 + A_5 + 3A_1$ | [1] , [2] | 534 | $2A_4 + A_3 + A_1$ | [1] |
| 475 | $D_4 + 2A_4$ | [1] | 535 | $2A_4 + 2A_2$ | [1] |
| 476 | $D_4 + A_4 + A_3 + A_1$ | [1] | 536 | $2A_4 + A_2 + 2A_1$ | [1] |
| 477 | $D_4 + A_4 + 2A_2$ | [1] | 537 | $2A_4 + 4A_1$ | [1] |
| 478 | $D_4 + A_4 + A_2 + 2A_1$ | [1] | 538 | $A_4 + 2A_3 + A_2$ | [1] |
| 479 | $D_4 + A_4 + 4A_1$ | [1] | 539 | $A_4 + 2A_3 + 2A_1$ | [1] |
| 480 | $D_4 + 2A_3 + A_2$ | [1] | 540 | $A_4 + A_3 + 2A_2 + A_1$ | [1] |
| 481 | $D_4 + 2A_3 + 2A_1$ | [1] , [2] | 541 | $A_4 + A_3 + A_2 + 3A_1$ | [1] |
| 482 | $D_4 + A_3 + 2A_2 + A_1$ | [1] | 542 | $A_4 + A_3 + 5A_1$ | [1] |
| 483 | $D_4 + A_3 + A_2 + 3A_1$ | [1] | 543 | $A_4 + 4A_2$ | [1] |
| 484 | $D_4 + A_3 + 5A_1$ | [1] , [2] | 544 | $A_4 + 3A_2 + 2A_1$ | [1] |
| 485 | $D_4 + 4A_2$ | [1] | 545 | $A_4 + 2A_2 + 4A_1$ | [1] |
| 486 | $D_4 + 3A_2 + 2A_1$ | [1] | 546 | $A_4 + A_2 + 6A_1$ | [1] |
| 487 | $D_4 + 2A_2 + 4A_1$ | [1] | 547 | $A_4 + 8A_1$ | [1] , [2] |
| 488 | $D_4 + A_2 + 6A_1$ | [1] , [2] | 548 | $4A_3$ | [1] , [2] |
| 489 | $D_4 + 8A_1$ | [2] | 549 | $3A_3 + A_2 + A_1$ | [1] |
| 490 | A_{12} | [1] | 550 | $3A_3 + 3A_1$ | [1] , [2] |
| 491 | $A_{11} + A_1$ | [1] | 551 | $2A_3 + 3A_2$ | [1] |
| 492 | $A_{10} + A_2$ | [1] | 552 | $2A_3 + 2A_2 + 2A_1$ | [1] |
| 493 | $A_{10} + 2A_1$ | [1] | 553 | $2A_3 + A_2 + 4A_1$ | [1] , [2] |
| 494 | $A_9 + A_3$ | [1] | 554 | $2A_3 + 6A_1$ | [1] , [2] |
| 495 | $A_9 + A_2 + A_1$ | [1] | 555 | $A_3 + 4A_2 + A_1$ | [1] |
| 496 | $A_9 + 3A_1$ | [1] , [2] | 556 | $A_3 + 3A_2 + 3A_1$ | [1] |
| 497 | $A_8 + A_4$ | [1] | 557 | $A_3 + 2A_2 + 5A_1$ | [1] |
| 498 | $A_8 + A_3 + A_1$ | [1] | 558 | $A_3 + A_2 + 7A_1$ | [1] , [2] |
| 499 | $A_8 + 2A_2$ | [1] | 559 | $A_3 + 9A_1$ | [2] |
| 500 | $A_8 + A_2 + 2A_1$ | [1] | 560 | $6A_2$ | [1] , [3] |
| 501 | $A_8 + 4A_1$ | [1] | 561 | $5A_2 + 2A_1$ | [1] |
| 502 | $A_7 + A_5$ | [1] | 562 | $4A_2 + 4A_1$ | [1] |
| 503 | $A_7 + A_4 + A_1$ | [1] | 563 | $3A_2 + 6A_1$ | [1] |
| 504 | $A_7 + A_3 + A_2$ | [1] | 564 | $2A_2 + 8A_1$ | [1] , [2] |
| 505 | $A_7 + A_3 + 2A_1$ | [1] , [2] | 565 | $A_2 + 10A_1$ | [2] |
| 506 | $A_7 + 2A_2 + A_1$ | [1] | 566 | $12A_1$ | [2, 2] |
| 507 | $A_7 + A_2 + 3A_1$ | [1] | | | |
| 508 | $A_7 + 5A_1$ | [1] , [2] | | | |
| 509 | $2A_6$ | [1] | | | |
| 510 | $A_6 + A_5 + A_1$ | [1] | | | |
| 511 | $A_6 + A_4 + A_2$ | [1] | | | |
| 512 | $A_6 + A_4 + 2A_1$ | [1] | | | |
| 513 | $A_6 + 2A_3$ | [1] | | | |
| 514 | $A_6 + A_3 + A_2 + A_1$ | [1] | | | |
| 515 | $A_6 + A_3 + 3A_1$ | [1] | | | |
| 516 | $A_6 + 3A_2$ | [1] | | | |

rank 13

| | | |
|-----|--------------------|-----|
| 567 | $E_8 + D_5$ | [1] |
| 568 | $E_8 + D_4 + A_1$ | [1] |
| 569 | $E_8 + A_5$ | [1] |
| 570 | $E_8 + A_4 + A_1$ | [1] |
| 571 | $E_8 + A_3 + A_2$ | [1] |
| 572 | $E_8 + A_3 + 2A_1$ | [1] |
| 573 | $E_8 + 2A_2 + A_1$ | [1] |
| 574 | $E_8 + A_2 + 3A_1$ | [1] |

Table 1 (rank 13)

| | | |
|-----|---------------------------|-----------|
| 575 | $E_8 + 5 A_1$ | [1] |
| 576 | $E_7 + E_6$ | [1] |
| 577 | $E_7 + D_6$ | [1] |
| 578 | $E_7 + D_5 + A_1$ | [1] |
| 579 | $E_7 + D_4 + A_2$ | [1] |
| 580 | $E_7 + D_4 + 2 A_1$ | [1] |
| 581 | $E_7 + A_6$ | [1] |
| 582 | $E_7 + A_5 + A_1$ | [1] |
| 583 | $E_7 + A_4 + A_2$ | [1] |
| 584 | $E_7 + A_4 + 2 A_1$ | [1] |
| 585 | $E_7 + 2 A_3$ | [1] |
| 586 | $E_7 + A_3 + A_2 + A_1$ | [1] |
| 587 | $E_7 + A_3 + 3 A_1$ | [1] , [2] |
| 588 | $E_7 + 3 A_2$ | [1] |
| 589 | $E_7 + 2 A_2 + 2 A_1$ | [1] |
| 590 | $E_7 + A_2 + 4 A_1$ | [1] |
| 591 | $E_7 + 6 A_1$ | [1] , [2] |
| 592 | $2 E_6 + A_1$ | [1] |
| 593 | $E_6 + D_7$ | [1] |
| 594 | $E_6 + D_6 + A_1$ | [1] |
| 595 | $E_6 + D_5 + A_2$ | [1] |
| 596 | $E_6 + D_5 + 2 A_1$ | [1] |
| 597 | $E_6 + D_4 + A_3$ | [1] |
| 598 | $E_6 + D_4 + A_2 + A_1$ | [1] |
| 599 | $E_6 + D_4 + 3 A_1$ | [1] |
| 600 | $E_6 + A_7$ | [1] |
| 601 | $E_6 + A_6 + A_1$ | [1] |
| 602 | $E_6 + A_5 + A_2$ | [1] |
| 603 | $E_6 + A_5 + 2 A_1$ | [1] |
| 604 | $E_6 + A_4 + A_3$ | [1] |
| 605 | $E_6 + A_4 + A_2 + A_1$ | [1] |
| 606 | $E_6 + A_4 + 3 A_1$ | [1] |
| 607 | $E_6 + 2 A_3 + A_1$ | [1] |
| 608 | $E_6 + A_3 + 2 A_2$ | [1] |
| 609 | $E_6 + A_3 + A_2 + 2 A_1$ | [1] |
| 610 | $E_6 + A_3 + 4 A_1$ | [1] |
| 611 | $E_6 + 3 A_2 + A_1$ | [1] |
| 612 | $E_6 + 2 A_2 + 3 A_1$ | [1] |
| 613 | $E_6 + A_2 + 5 A_1$ | [1] |
| 614 | $E_6 + 7 A_1$ | [1] |
| 615 | D_{13} | [1] |
| 616 | $D_{12} + A_1$ | [1] |
| 617 | $D_{11} + A_2$ | [1] |
| 618 | $D_{11} + 2 A_1$ | [1] |
| 619 | $D_{10} + A_3$ | [1] |
| 620 | $D_{10} + A_2 + A_1$ | [1] |
| 621 | $D_{10} + 3 A_1$ | [1] , [2] |
| 622 | $D_9 + D_4$ | [1] |
| 623 | $D_9 + A_4$ | [1] |
| 624 | $D_9 + A_3 + A_1$ | [1] |
| 625 | $D_9 + 2 A_2$ | [1] |
| 626 | $D_9 + A_2 + 2 A_1$ | [1] |
| 627 | $D_9 + 4 A_1$ | [1] |
| 628 | $D_8 + D_5$ | [1] |
| 629 | $D_8 + D_4 + A_1$ | [1] |
| 630 | $D_8 + A_5$ | [1] |
| 631 | $D_8 + A_4 + A_1$ | [1] |
| 632 | $D_8 + A_3 + A_2$ | [1] |
| 633 | $D_8 + A_3 + 2 A_1$ | [1] , [2] |
| 634 | $D_8 + 2 A_2 + A_1$ | [1] |
| 635 | $D_8 + A_2 + 3 A_1$ | [1] |
| 636 | $D_8 + 5 A_1$ | [1] , [2] |
| 637 | $D_7 + D_6$ | [1] |
| 638 | $D_7 + D_5 + A_1$ | [1] |
| 639 | $D_7 + D_4 + A_2$ | [1] |
| 640 | $D_7 + D_4 + 2 A_1$ | [1] |
| 641 | $D_7 + A_6$ | [1] |
| 642 | $D_7 + A_5 + A_1$ | [1] |
| 643 | $D_7 + A_4 + A_2$ | [1] |
| 644 | $D_7 + A_4 + 2 A_1$ | [1] |
| 645 | $D_7 + 2 A_3$ | [1] |
| 646 | $D_7 + A_3 + A_2 + A_1$ | [1] |
| 647 | $D_7 + A_3 + 3 A_1$ | [1] |
| 648 | $D_7 + 3 A_2$ | [1] |
| 649 | $D_7 + 2 A_2 + 2 A_1$ | [1] |
| 650 | $D_7 + A_2 + 4 A_1$ | [1] |
| 651 | $D_7 + 6 A_1$ | [1] , [2] |
| 652 | $2 D_6 + A_1$ | [1] |
| 653 | $D_6 + D_5 + A_2$ | [1] |
| 654 | $D_6 + D_5 + 2 A_1$ | [1] |
| 655 | $D_6 + D_4 + A_3$ | [1] |
| 656 | $D_6 + D_4 + A_2 + A_1$ | [1] |
| 657 | $D_6 + D_4 + 3 A_1$ | [1] , [2] |
| 658 | $D_6 + A_7$ | [1] |
| 659 | $D_6 + A_6 + A_1$ | [1] |
| 660 | $D_6 + A_5 + A_2$ | [1] |
| 661 | $D_6 + A_5 + 2 A_1$ | [1] , [2] |
| 662 | $D_6 + A_4 + A_3$ | [1] |
| 663 | $D_6 + A_4 + A_2 + A_1$ | [1] |
| 664 | $D_6 + A_4 + 3 A_1$ | [1] |
| 665 | $D_6 + 2 A_3 + A_1$ | [1] , [2] |
| 666 | $D_6 + A_3 + 2 A_2$ | [1] |
| 667 | $D_6 + A_3 + A_2 + 2 A_1$ | [1] |
| 668 | $D_6 + A_3 + 4 A_1$ | [1] , [2] |
| 669 | $D_6 + 3 A_2 + A_1$ | [1] |
| 670 | $D_6 + 2 A_2 + 3 A_1$ | [1] |
| 671 | $D_6 + A_2 + 5 A_1$ | [1] , [2] |
| 672 | $D_6 + 7 A_1$ | [2] |
| 673 | $2 D_5 + A_3$ | [1] |
| 674 | $2 D_5 + A_2 + A_1$ | [1] |
| 675 | $2 D_5 + 3 A_1$ | [1] |
| 676 | $D_5 + 2 D_4$ | [1] |
| 677 | $D_5 + D_4 + A_4$ | [1] |
| 678 | $D_5 + D_4 + A_3 + A_1$ | [1] |
| 679 | $D_5 + D_4 + 2 A_2$ | [1] |
| 680 | $D_5 + D_4 + A_2 + 2 A_1$ | [1] |
| 681 | $D_5 + D_4 + 4 A_1$ | [1] , [2] |
| 682 | $D_5 + A_8$ | [1] |
| 683 | $D_5 + A_7 + A_1$ | [1] |
| 684 | $D_5 + A_6 + A_2$ | [1] |
| 685 | $D_5 + A_6 + 2 A_1$ | [1] |
| 686 | $D_5 + A_5 + A_3$ | [1] |
| 687 | $D_5 + A_5 + A_2 + A_1$ | [1] |
| 688 | $D_5 + A_5 + 3 A_1$ | [1] , [2] |
| 689 | $D_5 + 2 A_4$ | [1] |
| 690 | $D_5 + A_4 + A_3 + A_1$ | [1] |
| 691 | $D_5 + A_4 + 2 A_2$ | [1] |
| 692 | $D_5 + A_4 + A_2 + 2 A_1$ | [1] |
| 693 | $D_5 + A_4 + 4 A_1$ | [1] |
| 694 | $D_5 + 2 A_3 + A_2$ | [1] |

Table 1 (rank 13)

| | | | | | |
|-----|---------------------------|-----------|-----|---------------------------|-----------|
| 695 | $D_5 + 2A_3 + 2A_1$ | [1] , [2] | 755 | $A_8 + A_4 + A_1$ | [1] |
| 696 | $D_5 + A_3 + 2A_2 + A_1$ | [1] | 756 | $A_8 + A_3 + A_2$ | [1] |
| 697 | $D_5 + A_3 + A_2 + 3A_1$ | [1] | 757 | $A_8 + A_3 + 2A_1$ | [1] |
| 698 | $D_5 + A_3 + 5A_1$ | [1] , [2] | 758 | $A_8 + 2A_2 + A_1$ | [1] |
| 699 | $D_5 + 4A_2$ | [1] | 759 | $A_8 + A_2 + 3A_1$ | [1] |
| 700 | $D_5 + 3A_2 + 2A_1$ | [1] | 760 | $A_8 + 5A_1$ | [1] |
| 701 | $D_5 + 2A_2 + 4A_1$ | [1] | 761 | $A_7 + A_6$ | [1] |
| 702 | $D_5 + A_2 + 6A_1$ | [1] , [2] | 762 | $A_7 + A_5 + A_1$ | [1] , [2] |
| 703 | $D_5 + 8A_1$ | [2] | 763 | $A_7 + A_4 + A_2$ | [1] |
| 704 | $3D_4 + A_1$ | [1] | 764 | $A_7 + A_4 + 2A_1$ | [1] |
| 705 | $2D_4 + A_5$ | [1] | 765 | $A_7 + 2A_3$ | [1] , [2] |
| 706 | $2D_4 + A_4 + A_1$ | [1] | 766 | $A_7 + A_3 + A_2 + A_1$ | [1] |
| 707 | $2D_4 + A_3 + A_2$ | [1] | 767 | $A_7 + A_3 + 3A_1$ | [1] , [2] |
| 708 | $2D_4 + A_3 + 2A_1$ | [1] , [2] | 768 | $A_7 + 3A_2$ | [1] |
| 709 | $2D_4 + 2A_2 + A_1$ | [1] | 769 | $A_7 + 2A_2 + 2A_1$ | [1] |
| 710 | $2D_4 + A_2 + 3A_1$ | [1] | 770 | $A_7 + A_2 + 4A_1$ | [1] , [2] |
| 711 | $2D_4 + 5A_1$ | [2] | 771 | $A_7 + 6A_1$ | [1] , [2] |
| 712 | $D_4 + A_9$ | [1] | 772 | $2A_6 + A_1$ | [1] |
| 713 | $D_4 + A_8 + A_1$ | [1] | 773 | $A_6 + A_5 + A_2$ | [1] |
| 714 | $D_4 + A_7 + A_2$ | [1] | 774 | $A_6 + A_5 + 2A_1$ | [1] |
| 715 | $D_4 + A_7 + 2A_1$ | [1] , [2] | 775 | $A_6 + A_4 + A_3$ | [1] |
| 716 | $D_4 + A_6 + A_3$ | [1] | 776 | $A_6 + A_4 + A_2 + A_1$ | [1] |
| 717 | $D_4 + A_6 + A_2 + A_1$ | [1] | 777 | $A_6 + A_4 + 3A_1$ | [1] |
| 718 | $D_4 + A_6 + 3A_1$ | [1] | 778 | $A_6 + 2A_3 + A_1$ | [1] |
| 719 | $D_4 + A_5 + A_4$ | [1] | 779 | $A_6 + A_3 + 2A_2$ | [1] |
| 720 | $D_4 + A_5 + A_3 + A_1$ | [1] , [2] | 780 | $A_6 + A_3 + A_2 + 2A_1$ | [1] |
| 721 | $D_4 + A_5 + 2A_2$ | [1] | 781 | $A_6 + A_3 + 4A_1$ | [1] |
| 722 | $D_4 + A_5 + A_2 + 2A_1$ | [1] | 782 | $A_6 + 3A_2 + A_1$ | [1] |
| 723 | $D_4 + A_5 + 4A_1$ | [1] , [2] | 783 | $A_6 + 2A_2 + 3A_1$ | [1] |
| 724 | $D_4 + 2A_4 + A_1$ | [1] | 784 | $A_6 + A_2 + 5A_1$ | [1] |
| 725 | $D_4 + A_4 + A_3 + A_2$ | [1] | 785 | $A_6 + 7A_1$ | [1] |
| 726 | $D_4 + A_4 + A_3 + 2A_1$ | [1] | 786 | $2A_5 + A_3$ | [1] , [2] |
| 727 | $D_4 + A_4 + 2A_2 + A_1$ | [1] | 787 | $2A_5 + A_2 + A_1$ | [1] |
| 728 | $D_4 + A_4 + A_2 + 3A_1$ | [1] | 788 | $2A_5 + 3A_1$ | [1] , [2] |
| 729 | $D_4 + A_4 + 5A_1$ | [1] | 789 | $A_5 + 2A_4$ | [1] |
| 730 | $D_4 + 3A_3$ | [1] , [2] | 790 | $A_5 + A_4 + A_3 + A_1$ | [1] |
| 731 | $D_4 + 2A_3 + A_2 + A_1$ | [1] | 791 | $A_5 + A_4 + 2A_2$ | [1] |
| 732 | $D_4 + 2A_3 + 3A_1$ | [1] , [2] | 792 | $A_5 + A_4 + A_2 + 2A_1$ | [1] |
| 733 | $D_4 + A_3 + 3A_2$ | [1] | 793 | $A_5 + A_4 + 4A_1$ | [1] |
| 734 | $D_4 + A_3 + 2A_2 + 2A_1$ | [1] | 794 | $A_5 + 2A_3 + A_2$ | [1] |
| 735 | $D_4 + A_3 + A_2 + 4A_1$ | [1] , [2] | 795 | $A_5 + 2A_3 + 2A_1$ | [1] , [2] |
| 736 | $D_4 + A_3 + 6A_1$ | [2] | 796 | $A_5 + A_3 + 2A_2 + A_1$ | [1] |
| 737 | $D_4 + 4A_2 + A_1$ | [1] | 797 | $A_5 + A_3 + A_2 + 3A_1$ | [1] , [2] |
| 738 | $D_4 + 3A_2 + 3A_1$ | [1] | 798 | $A_5 + A_3 + 5A_1$ | [1] , [2] |
| 739 | $D_4 + 2A_2 + 5A_1$ | [1] | 799 | $A_5 + 4A_2$ | [1] , [3] |
| 740 | $D_4 + A_2 + 7A_1$ | [2] | 800 | $A_5 + 3A_2 + 2A_1$ | [1] |
| 741 | $D_4 + 9A_1$ | [2] , [2] | 801 | $A_5 + 2A_2 + 4A_1$ | [1] |
| 742 | A_{13} | [1] | 802 | $A_5 + A_2 + 6A_1$ | [1] , [2] |
| 743 | $A_{12} + A_1$ | [1] | 803 | $A_5 + 8A_1$ | [2] |
| 744 | $A_{11} + A_2$ | [1] | 804 | $3A_4 + A_1$ | [1] |
| 745 | $A_{11} + 2A_1$ | [1] , [2] | 805 | $2A_4 + A_3 + A_2$ | [1] |
| 746 | $A_{10} + A_3$ | [1] | 806 | $2A_4 + A_3 + 2A_1$ | [1] |
| 747 | $A_{10} + A_2 + A_1$ | [1] | 807 | $2A_4 + 2A_2 + A_1$ | [1] |
| 748 | $A_{10} + 3A_1$ | [1] | 808 | $2A_4 + A_2 + 3A_1$ | [1] |
| 749 | $A_9 + A_4$ | [1] | 809 | $2A_4 + 5A_1$ | [1] |
| 750 | $A_9 + A_3 + A_1$ | [1] , [2] | 810 | $A_4 + 3A_3$ | [1] |
| 751 | $A_9 + 2A_2$ | [1] | 811 | $A_4 + 2A_3 + A_2 + A_1$ | [1] |
| 752 | $A_9 + A_2 + 2A_1$ | [1] | 812 | $A_4 + 2A_3 + 3A_1$ | [1] |
| 753 | $A_9 + 4A_1$ | [1] , [2] | 813 | $A_4 + A_3 + 3A_2$ | [1] |
| 754 | $A_8 + A_5$ | [1] | 814 | $A_4 + A_3 + 2A_2 + 2A_1$ | [1] |

Table 1 (rank 13 - rank 14)

| | | |
|-----|--------------------------|-----------|
| 815 | $A_4 + A_3 + A_2 + 4A_1$ | [1] |
| 816 | $A_4 + A_3 + 6A_1$ | [1] , [2] |
| 817 | $A_4 + 4A_2 + A_1$ | [1] |
| 818 | $A_4 + 3A_2 + 3A_1$ | [1] |
| 819 | $A_4 + 2A_2 + 5A_1$ | [1] |
| 820 | $A_4 + A_2 + 7A_1$ | [1] |
| 821 | $A_4 + 9A_1$ | [2] |
| 822 | $4A_3 + A_1$ | [1] , [2] |
| 823 | $3A_3 + 2A_2$ | [1] |
| 824 | $3A_3 + A_2 + 2A_1$ | [1] , [2] |
| 825 | $3A_3 + 4A_1$ | [1] , [2] |
| 826 | $2A_3 + 3A_2 + A_1$ | [1] |
| 827 | $2A_3 + 2A_2 + 3A_1$ | [1] |
| 828 | $2A_3 + A_2 + 5A_1$ | [1] , [2] |
| 829 | $2A_3 + 7A_1$ | [2] |
| 830 | $A_3 + 5A_2$ | [1] |
| 831 | $A_3 + 4A_2 + 2A_1$ | [1] |
| 832 | $A_3 + 3A_2 + 4A_1$ | [1] |
| 833 | $A_3 + 2A_2 + 6A_1$ | [1] , [2] |
| 834 | $A_3 + A_2 + 8A_1$ | [2] |
| 835 | $A_3 + 10A_1$ | [2, 2] |
| 836 | $6A_2 + A_1$ | [1] , [3] |
| 837 | $5A_2 + 3A_1$ | [1] |
| 838 | $4A_2 + 5A_1$ | [1] |
| 839 | $3A_2 + 7A_1$ | [1] |
| 840 | $2A_2 + 9A_1$ | [2] |

rank 14

| | | |
|-----|--------------------------|-----------|
| 841 | $E_8 + E_6$ | [1] |
| 842 | $E_8 + D_6$ | [1] |
| 843 | $E_8 + D_5 + A_1$ | [1] |
| 844 | $E_8 + D_4 + A_2$ | [1] |
| 845 | $E_8 + D_4 + 2A_1$ | [1] |
| 846 | $E_8 + A_6$ | [1] |
| 847 | $E_8 + A_5 + A_1$ | [1] |
| 848 | $E_8 + A_4 + A_2$ | [1] |
| 849 | $E_8 + A_4 + 2A_1$ | [1] |
| 850 | $E_8 + 2A_3$ | [1] |
| 851 | $E_8 + A_3 + A_2 + A_1$ | [1] |
| 852 | $E_8 + A_3 + 3A_1$ | [1] |
| 853 | $E_8 + 3A_2$ | [1] |
| 854 | $E_8 + 2A_2 + 2A_1$ | [1] |
| 855 | $E_8 + A_2 + 4A_1$ | [1] |
| 856 | $E_8 + 6A_1$ | [1] |
| 857 | $2E_7$ | [1] |
| 858 | $E_7 + E_6 + A_1$ | [1] |
| 859 | $E_7 + D_7$ | [1] |
| 860 | $E_7 + D_6 + A_1$ | [1] |
| 861 | $E_7 + D_5 + A_2$ | [1] |
| 862 | $E_7 + D_5 + 2A_1$ | [1] |
| 863 | $E_7 + D_4 + A_3$ | [1] |
| 864 | $E_7 + D_4 + A_2 + A_1$ | [1] |
| 865 | $E_7 + D_4 + 3A_1$ | [1] , [2] |
| 866 | $E_7 + A_7$ | [1] |
| 867 | $E_7 + A_6 + A_1$ | [1] |
| 868 | $E_7 + A_5 + A_2$ | [1] |
| 869 | $E_7 + A_5 + 2A_1$ | [1] , [2] |
| 870 | $E_7 + A_4 + A_3$ | [1] |
| 871 | $E_7 + A_4 + A_2 + A_1$ | [1] |
| 872 | $E_7 + A_4 + 3A_1$ | [1] |
| 873 | $E_7 + 2A_3 + A_1$ | [1] , [2] |
| 874 | $E_7 + A_3 + 2A_2$ | [1] |
| 875 | $E_7 + A_3 + A_2 + 2A_1$ | [1] |
| 876 | $E_7 + A_3 + 4A_1$ | [1] , [2] |
| 877 | $E_7 + 3A_2 + A_1$ | [1] |
| 878 | $E_7 + 2A_2 + 3A_1$ | [1] |
| 879 | $E_7 + A_2 + 5A_1$ | [1] , [2] |
| 880 | $E_7 + 7A_1$ | [2] |
| 881 | $2E_6 + A_2$ | [1] |
| 882 | $2E_6 + 2A_1$ | [1] |
| 883 | $E_6 + D_8$ | [1] |
| 884 | $E_6 + D_7 + A_1$ | [1] |
| 885 | $E_6 + D_6 + A_2$ | [1] |
| 886 | $E_6 + D_6 + 2A_1$ | [1] |
| 887 | $E_6 + D_5 + A_3$ | [1] |
| 888 | $E_6 + D_5 + A_2 + A_1$ | [1] |
| 889 | $E_6 + D_5 + 3A_1$ | [1] |
| 890 | $E_6 + 2D_4$ | [1] |
| 891 | $E_6 + D_4 + A_4$ | [1] |
| 892 | $E_6 + D_4 + A_3 + A_1$ | [1] |
| 893 | $E_6 + D_4 + 2A_2$ | [1] |
| 894 | $E_6 + D_4 + A_2 + 2A_1$ | [1] |
| 895 | $E_6 + D_4 + 4A_1$ | [1] |
| 896 | $E_6 + A_8$ | [1] |
| 897 | $E_6 + A_7 + A_1$ | [1] |
| 898 | $E_6 + A_6 + A_2$ | [1] |
| 899 | $E_6 + A_6 + 2A_1$ | [1] |
| 900 | $E_6 + A_5 + A_3$ | [1] |
| 901 | $E_6 + A_5 + A_2 + A_1$ | [1] |
| 902 | $E_6 + A_5 + 3A_1$ | [1] |
| 903 | $E_6 + 2A_4$ | [1] |
| 904 | $E_6 + A_4 + A_3 + A_1$ | [1] |
| 905 | $E_6 + A_4 + 2A_2$ | [1] |
| 906 | $E_6 + A_4 + A_2 + 2A_1$ | [1] |
| 907 | $E_6 + A_4 + 4A_1$ | [1] |
| 908 | $E_6 + 2A_3 + A_2$ | [1] |
| 909 | $E_6 + 2A_3 + 2A_1$ | [1] |
| 910 | $E_6 + A_3 + 2A_2 + A_1$ | [1] |
| 911 | $E_6 + A_3 + A_2 + 3A_1$ | [1] |
| 912 | $E_6 + A_3 + 5A_1$ | [1] |
| 913 | $E_6 + 4A_2$ | [1] , [3] |
| 914 | $E_6 + 3A_2 + 2A_1$ | [1] |
| 915 | $E_6 + 2A_2 + 4A_1$ | [1] |
| 916 | $E_6 + A_2 + 6A_1$ | [1] |
| 917 | $E_6 + 8A_1$ | empty |
| 918 | D_{14} | [1] |
| 919 | $D_{13} + A_1$ | [1] |
| 920 | $D_{12} + A_2$ | [1] |
| 921 | $D_{12} + 2A_1$ | [1] , [2] |
| 922 | $D_{11} + A_3$ | [1] |
| 923 | $D_{11} + A_2 + A_1$ | [1] |
| 924 | $D_{11} + 3A_1$ | [1] |
| 925 | $D_{10} + D_4$ | [1] |
| 926 | $D_{10} + A_4$ | [1] |
| 927 | $D_{10} + A_3 + A_1$ | [1] , [2] |
| 928 | $D_{10} + 2A_2$ | [1] |
| 929 | $D_{10} + A_2 + 2A_1$ | [1] |
| 930 | $D_{10} + 4A_1$ | [1] , [2] |
| 931 | $D_9 + D_5$ | [1] |
| 932 | $D_9 + D_4 + A_1$ | [1] |

Table 1 (rank 14)

| | | | | | |
|-----|--------------------------|-----------|------|---------------------------|-----------|
| 933 | $D_9 + A_5$ | [1] | 993 | $D_6 + A_5 + A_2 + A_1$ | [1] |
| 934 | $D_9 + A_4 + A_1$ | [1] | 994 | $D_6 + A_5 + 3A_1$ | [1] , [2] |
| 935 | $D_9 + A_3 + A_2$ | [1] | 995 | $D_6 + 2A_4$ | [1] |
| 936 | $D_9 + A_3 + 2A_1$ | [1] | 996 | $D_6 + A_4 + A_3 + A_1$ | [1] |
| 937 | $D_9 + 2A_2 + A_1$ | [1] | 997 | $D_6 + A_4 + 2A_2$ | [1] |
| 938 | $D_9 + A_2 + 3A_1$ | [1] | 998 | $D_6 + A_4 + A_2 + 2A_1$ | [1] |
| 939 | $D_9 + 5A_1$ | [1] | 999 | $D_6 + A_4 + 4A_1$ | [1] |
| 940 | $D_8 + D_6$ | [1] | 1000 | $D_6 + 2A_3 + A_2$ | [1] |
| 941 | $D_8 + D_5 + A_1$ | [1] | 1001 | $D_6 + 2A_3 + 2A_1$ | [1] , [2] |
| 942 | $D_8 + D_4 + A_2$ | [1] | 1002 | $D_6 + A_3 + 2A_2 + A_1$ | [1] |
| 943 | $D_8 + D_4 + 2A_1$ | [1] , [2] | 1003 | $D_6 + A_3 + A_2 + 3A_1$ | [1] , [2] |
| 944 | $D_8 + A_6$ | [1] | 1004 | $D_6 + A_3 + 5A_1$ | [2] |
| 945 | $D_8 + A_5 + A_1$ | [1] , [2] | 1005 | $D_6 + 4A_2$ | [1] |
| 946 | $D_8 + A_4 + A_2$ | [1] | 1006 | $D_6 + 3A_2 + 2A_1$ | [1] |
| 947 | $D_8 + A_4 + 2A_1$ | [1] | 1007 | $D_6 + 2A_2 + 4A_1$ | [1] |
| 948 | $D_8 + 2A_3$ | [1] , [2] | 1008 | $D_6 + A_2 + 6A_1$ | [2] |
| 949 | $D_8 + A_3 + A_2 + A_1$ | [1] | 1009 | $D_6 + 8A_1$ | [2] , [2] |
| 950 | $D_8 + A_3 + 3A_1$ | [1] , [2] | 1010 | $2D_5 + D_4$ | [1] |
| 951 | $D_8 + 3A_2$ | [1] | 1011 | $2D_5 + A_4$ | [1] |
| 952 | $D_8 + 2A_2 + 2A_1$ | [1] | 1012 | $2D_5 + A_3 + A_1$ | [1] |
| 953 | $D_8 + A_2 + 4A_1$ | [1] , [2] | 1013 | $2D_5 + 2A_2$ | [1] |
| 954 | $D_8 + 6A_1$ | [2] | 1014 | $2D_5 + A_2 + 2A_1$ | [1] |
| 955 | $2D_7$ | [1] | 1015 | $2D_5 + 4A_1$ | [1] , [2] |
| 956 | $D_7 + D_6 + A_1$ | [1] | 1016 | $D_5 + 2D_4 + A_1$ | [1] |
| 957 | $D_7 + D_5 + A_2$ | [1] | 1017 | $D_5 + D_4 + A_5$ | [1] |
| 958 | $D_7 + D_5 + 2A_1$ | [1] | 1018 | $D_5 + D_4 + A_4 + A_1$ | [1] |
| 959 | $D_7 + D_4 + A_3$ | [1] | 1019 | $D_5 + D_4 + A_3 + A_2$ | [1] |
| 960 | $D_7 + D_4 + A_2 + A_1$ | [1] | 1020 | $D_5 + D_4 + A_3 + 2A_1$ | [1] , [2] |
| 961 | $D_7 + D_4 + 3A_1$ | [1] | 1021 | $D_5 + D_4 + 2A_2 + A_1$ | [1] |
| 962 | $D_7 + A_7$ | [1] | 1022 | $D_5 + D_4 + A_2 + 3A_1$ | [1] |
| 963 | $D_7 + A_6 + A_1$ | [1] | 1023 | $D_5 + D_4 + 5A_1$ | [2] |
| 964 | $D_7 + A_5 + A_2$ | [1] | 1024 | $D_5 + A_9$ | [1] |
| 965 | $D_7 + A_5 + 2A_1$ | [1] | 1025 | $D_5 + A_8 + A_1$ | [1] |
| 966 | $D_7 + A_4 + A_3$ | [1] | 1026 | $D_5 + A_7 + A_2$ | [1] |
| 967 | $D_7 + A_4 + A_2 + A_1$ | [1] | 1027 | $D_5 + A_7 + 2A_1$ | [1] , [2] |
| 968 | $D_7 + A_4 + 3A_1$ | [1] | 1028 | $D_5 + A_6 + A_3$ | [1] |
| 969 | $D_7 + 2A_3 + A_1$ | [1] | 1029 | $D_5 + A_6 + A_2 + A_1$ | [1] |
| 970 | $D_7 + A_3 + 2A_2$ | [1] | 1030 | $D_5 + A_6 + 3A_1$ | [1] |
| 971 | $D_7 + A_3 + A_2 + 2A_1$ | [1] | 1031 | $D_5 + A_5 + A_4$ | [1] |
| 972 | $D_7 + A_3 + 4A_1$ | [1] , [2] | 1032 | $D_5 + A_5 + A_3 + A_1$ | [1] , [2] |
| 973 | $D_7 + 3A_2 + A_1$ | [1] | 1033 | $D_5 + A_5 + 2A_2$ | [1] |
| 974 | $D_7 + 2A_2 + 3A_1$ | [1] | 1034 | $D_5 + A_5 + A_2 + 2A_1$ | [1] |
| 975 | $D_7 + A_2 + 5A_1$ | [1] | 1035 | $D_5 + A_5 + 4A_1$ | [1] , [2] |
| 976 | $D_7 + 7A_1$ | [2] | 1036 | $D_5 + 2A_4 + A_1$ | [1] |
| 977 | $2D_6 + A_2$ | [1] | 1037 | $D_5 + A_4 + A_3 + A_2$ | [1] |
| 978 | $2D_6 + 2A_1$ | [1] , [2] | 1038 | $D_5 + A_4 + A_3 + 2A_1$ | [1] |
| 979 | $D_6 + D_5 + A_3$ | [1] | 1039 | $D_5 + A_4 + 2A_2 + A_1$ | [1] |
| 980 | $D_6 + D_5 + A_2 + A_1$ | [1] | 1040 | $D_5 + A_4 + A_2 + 3A_1$ | [1] |
| 981 | $D_6 + D_5 + 3A_1$ | [1] , [2] | 1041 | $D_5 + A_4 + 5A_1$ | [1] |
| 982 | $D_6 + 2D_4$ | [1] | 1042 | $D_5 + 3A_3$ | [1] , [2] |
| 983 | $D_6 + D_4 + A_4$ | [1] | 1043 | $D_5 + 2A_3 + A_2 + A_1$ | [1] |
| 984 | $D_6 + D_4 + A_3 + A_1$ | [1] , [2] | 1044 | $D_5 + 2A_3 + 3A_1$ | [1] , [2] |
| 985 | $D_6 + D_4 + 2A_2$ | [1] | 1045 | $D_5 + A_3 + 3A_2$ | [1] |
| 986 | $D_6 + D_4 + A_2 + 2A_1$ | [1] | 1046 | $D_5 + A_3 + 2A_2 + 2A_1$ | [1] |
| 987 | $D_6 + D_4 + 4A_1$ | [2] | 1047 | $D_5 + A_3 + A_2 + 4A_1$ | [1] , [2] |
| 988 | $D_6 + A_8$ | [1] | 1048 | $D_5 + A_3 + 6A_1$ | [2] |
| 989 | $D_6 + A_7 + A_1$ | [1] , [2] | 1049 | $D_5 + 4A_2 + A_1$ | [1] |
| 990 | $D_6 + A_6 + A_2$ | [1] | 1050 | $D_5 + 3A_2 + 3A_1$ | [1] |
| 991 | $D_6 + A_6 + 2A_1$ | [1] | 1051 | $D_5 + 2A_2 + 5A_1$ | [1] |
| 992 | $D_6 + A_5 + A_3$ | [1] , [2] | 1052 | $D_5 + A_2 + 7A_1$ | [2] |

Table 1 (rank 14)

| | | |
|------|-------------------------------|----------|
| 1053 | $3D_4 + A_2$ | [1] |
| 1054 | $3D_4 + 2A_1$ | [2] |
| 1055 | $2D_4 + A_6$ | [1] |
| 1056 | $2D_4 + A_5 + A_1$ | [1], [2] |
| 1057 | $2D_4 + A_4 + A_2$ | [1] |
| 1058 | $2D_4 + A_4 + 2A_1$ | [1] |
| 1059 | $2D_4 + 2A_3$ | [1], [2] |
| 1060 | $2D_4 + A_3 + A_2 + A_1$ | [1] |
| 1061 | $2D_4 + A_3 + 3A_1$ | [2] |
| 1062 | $2D_4 + 3A_2$ | [1] |
| 1063 | $2D_4 + 2A_2 + 2A_1$ | [1] |
| 1064 | $2D_4 + A_2 + 4A_1$ | [2] |
| 1065 | $2D_4 + 6A_1$ | [2], [2] |
| 1066 | $D_4 + A_{10}$ | [1] |
| 1067 | $D_4 + A_9 + A_1$ | [1], [2] |
| 1068 | $D_4 + A_8 + A_2$ | [1] |
| 1069 | $D_4 + A_8 + 2A_1$ | [1] |
| 1070 | $D_4 + A_7 + A_3$ | [1], [2] |
| 1071 | $D_4 + A_7 + A_2 + A_1$ | [1] |
| 1072 | $D_4 + A_7 + 3A_1$ | [1], [2] |
| 1073 | $D_4 + A_6 + A_4$ | [1] |
| 1074 | $D_4 + A_6 + A_3 + A_1$ | [1] |
| 1075 | $D_4 + A_6 + 2A_2$ | [1] |
| 1076 | $D_4 + A_6 + A_2 + 2A_1$ | [1] |
| 1077 | $D_4 + A_6 + 4A_1$ | [1] |
| 1078 | $D_4 + 2A_5$ | [1], [2] |
| 1079 | $D_4 + A_5 + A_4 + A_1$ | [1] |
| 1080 | $D_4 + A_5 + A_3 + A_2$ | [1] |
| 1081 | $D_4 + A_5 + A_3 + 2A_1$ | [1], [2] |
| 1082 | $D_4 + A_5 + 2A_2 + A_1$ | [1] |
| 1083 | $D_4 + A_5 + A_2 + 3A_1$ | [1], [2] |
| 1084 | $D_4 + A_5 + 5A_1$ | [2] |
| 1085 | $D_4 + 2A_4 + A_2$ | [1] |
| 1086 | $D_4 + 2A_4 + 2A_1$ | [1] |
| 1087 | $D_4 + A_4 + 2A_3$ | [1] |
| 1088 | $D_4 + A_4 + A_3 + A_2 + A_1$ | [1] |
| 1089 | $D_4 + A_4 + A_3 + 3A_1$ | [1] |
| 1090 | $D_4 + A_4 + 3A_2$ | [1] |
| 1091 | $D_4 + A_4 + 2A_2 + 2A_1$ | [1] |
| 1092 | $D_4 + A_4 + A_2 + 4A_1$ | [1] |
| 1093 | $D_4 + A_4 + 6A_1$ | [2] |
| 1094 | $D_4 + 3A_3 + A_1$ | [1], [2] |
| 1095 | $D_4 + 2A_3 + 2A_2$ | [1] |
| 1096 | $D_4 + 2A_3 + A_2 + 2A_1$ | [1], [2] |
| 1097 | $D_4 + 2A_3 + 4A_1$ | [2] |
| 1098 | $D_4 + A_3 + 3A_2 + A_1$ | [1] |
| 1099 | $D_4 + A_3 + 2A_2 + 3A_1$ | [1] |
| 1100 | $D_4 + A_3 + A_2 + 5A_1$ | [2] |
| 1101 | $D_4 + A_3 + 7A_1$ | [2], [2] |
| 1102 | $D_4 + 5A_2$ | [1] |
| 1103 | $D_4 + 4A_2 + 2A_1$ | [1] |
| 1104 | $D_4 + 3A_2 + 4A_1$ | [1] |
| 1105 | $D_4 + 2A_2 + 6A_1$ | [2] |
| 1106 | A_{14} | [1] |
| 1107 | $A_{13} + A_1$ | [1], [2] |
| 1108 | $A_{12} + A_2$ | [1] |
| 1109 | $A_{12} + 2A_1$ | [1] |
| 1110 | $A_{11} + A_3$ | [1], [2] |
| 1111 | $A_{11} + A_2 + A_1$ | [1] |
| 1112 | $A_{11} + 3A_1$ | [1], [2] |
| 1113 | $A_{10} + A_4$ | [1] |
| 1114 | $A_{10} + A_3 + A_1$ | [1] |
| 1115 | $A_{10} + 2A_2$ | [1] |
| 1116 | $A_{10} + A_2 + 2A_1$ | [1] |
| 1117 | $A_{10} + 4A_1$ | [1] |
| 1118 | $A_9 + A_5$ | [1], [2] |
| 1119 | $A_9 + A_4 + A_1$ | [1] |
| 1120 | $A_9 + A_3 + A_2$ | [1] |
| 1121 | $A_9 + A_3 + 2A_1$ | [1], [2] |
| 1122 | $A_9 + 2A_2 + A_1$ | [1] |
| 1123 | $A_9 + A_2 + 3A_1$ | [1], [2] |
| 1124 | $A_9 + 5A_1$ | [1], [2] |
| 1125 | $A_8 + A_6$ | [1] |
| 1126 | $A_8 + A_5 + A_1$ | [1] |
| 1127 | $A_8 + A_4 + A_2$ | [1] |
| 1128 | $A_8 + A_4 + 2A_1$ | [1] |
| 1129 | $A_8 + 2A_3$ | [1] |
| 1130 | $A_8 + A_3 + A_2 + A_1$ | [1] |
| 1131 | $A_8 + A_3 + 3A_1$ | [1] |
| 1132 | $A_8 + 3A_2$ | [1], [3] |
| 1133 | $A_8 + 2A_2 + 2A_1$ | [1] |
| 1134 | $A_8 + A_2 + 4A_1$ | [1] |
| 1135 | $A_8 + 6A_1$ | [1] |
| 1136 | $2A_7$ | [1], [2] |
| 1137 | $A_7 + A_6 + A_1$ | [1] |
| 1138 | $A_7 + A_5 + A_2$ | [1] |
| 1139 | $A_7 + A_5 + 2A_1$ | [1], [2] |
| 1140 | $A_7 + A_4 + A_3$ | [1] |
| 1141 | $A_7 + A_4 + A_2 + A_1$ | [1] |
| 1142 | $A_7 + A_4 + 3A_1$ | [1] |
| 1143 | $A_7 + 2A_3 + A_1$ | [1], [2] |
| 1144 | $A_7 + A_3 + 2A_2$ | [1] |
| 1145 | $A_7 + A_3 + A_2 + 2A_1$ | [1], [2] |
| 1146 | $A_7 + A_3 + 4A_1$ | [1], [2] |
| 1147 | $A_7 + 3A_2 + A_1$ | [1] |
| 1148 | $A_7 + 2A_2 + 3A_1$ | [1] |
| 1149 | $A_7 + A_2 + 5A_1$ | [1], [2] |
| 1150 | $A_7 + 7A_1$ | [2] |
| 1151 | $2A_6 + A_2$ | [1] |
| 1152 | $2A_6 + 2A_1$ | [1] |
| 1153 | $A_6 + A_5 + A_3$ | [1] |
| 1154 | $A_6 + A_5 + A_2 + A_1$ | [1] |
| 1155 | $A_6 + A_5 + 3A_1$ | [1] |
| 1156 | $A_6 + 2A_4$ | [1] |
| 1157 | $A_6 + A_4 + A_3 + A_1$ | [1] |
| 1158 | $A_6 + A_4 + 2A_2$ | [1] |
| 1159 | $A_6 + A_4 + A_2 + 2A_1$ | [1] |
| 1160 | $A_6 + A_4 + 4A_1$ | [1] |
| 1161 | $A_6 + 2A_3 + A_2$ | [1] |
| 1162 | $A_6 + 2A_3 + 2A_1$ | [1] |
| 1163 | $A_6 + A_3 + 2A_2 + A_1$ | [1] |
| 1164 | $A_6 + A_3 + A_2 + 3A_1$ | [1] |
| 1165 | $A_6 + A_3 + 5A_1$ | [1] |
| 1166 | $A_6 + 4A_2$ | [1] |
| 1167 | $A_6 + 3A_2 + 2A_1$ | [1] |
| 1168 | $A_6 + 2A_2 + 4A_1$ | [1] |
| 1169 | $A_6 + A_2 + 6A_1$ | [1] |
| 1170 | $A_6 + 8A_1$ | [2] |
| 1171 | $2A_5 + A_4$ | [1] |
| 1172 | $2A_5 + A_3 + A_1$ | [1], [2] |

Table 1 (rank 14 - rank 15)

| | | | | | | | | |
|------|---------------------------|-----------------|---------|--------------------------|-----------|--|--|--|
| 1173 | $2A_5 + 2A_2$ | [1] , [3] | 1233 | $4A_2 + 6A_1$ | [1] | | | |
| 1174 | $2A_5 + A_2 + 2A_1$ | [1] , [2] | rank 15 | | | | | |
| 1175 | $2A_5 + 4A_1$ | [1] , [2] | 1234 | $E_8 + E_7$ | [1] | | | |
| 1176 | $A_5 + 2A_4 + A_1$ | [1] | 1235 | $E_8 + E_6 + A_1$ | [1] | | | |
| 1177 | $A_5 + A_4 + A_3 + A_2$ | [1] | 1236 | $E_8 + D_7$ | [1] | | | |
| 1178 | $A_5 + A_4 + A_3 + 2A_1$ | [1] | 1237 | $E_8 + D_6 + A_1$ | [1] | | | |
| 1179 | $A_5 + A_4 + 2A_2 + A_1$ | [1] | 1238 | $E_8 + D_5 + A_2$ | [1] | | | |
| 1180 | $A_5 + A_4 + A_2 + 3A_1$ | [1] | 1239 | $E_8 + D_5 + 2A_1$ | [1] | | | |
| 1181 | $A_5 + A_4 + 5A_1$ | [1] , [2] | 1240 | $E_8 + D_4 + A_3$ | [1] | | | |
| 1182 | $A_5 + 3A_3$ | [1] | 1241 | $E_8 + D_4 + A_2 + A_1$ | [1] | | | |
| 1183 | $A_5 + 2A_3 + A_2 + A_1$ | [1] , [2] | 1242 | $E_8 + D_4 + 3A_1$ | [1] | | | |
| 1184 | $A_5 + 2A_3 + 3A_1$ | [1] , [2] | 1243 | $E_8 + A_7$ | [1] | | | |
| 1185 | $A_5 + A_3 + 3A_2$ | [1] | 1244 | $E_8 + A_6 + A_1$ | [1] | | | |
| 1186 | $A_5 + A_3 + 2A_2 + 2A_1$ | [1] | 1245 | $E_8 + A_5 + A_2$ | [1] | | | |
| 1187 | $A_5 + A_3 + A_2 + 4A_1$ | [1] , [2] | 1246 | $E_8 + A_5 + 2A_1$ | [1] | | | |
| 1188 | $A_5 + A_3 + 6A_1$ | [2] | 1247 | $E_8 + A_4 + A_3$ | [1] | | | |
| 1189 | $A_5 + 4A_2 + A_1$ | [1] , [3] | 1248 | $E_8 + A_4 + A_2 + A_1$ | [1] | | | |
| 1190 | $A_5 + 3A_2 + 3A_1$ | [1] | 1249 | $E_8 + A_4 + 3A_1$ | [1] | | | |
| 1191 | $A_5 + 2A_2 + 5A_1$ | [1] , [2] | 1250 | $E_8 + 2A_3 + A_1$ | [1] | | | |
| 1192 | $A_5 + A_2 + 7A_1$ | [2] | 1251 | $E_8 + A_3 + 2A_2$ | [1] | | | |
| 1193 | $A_5 + 9A_1$ | [2, 2] | 1252 | $E_8 + A_3 + A_2 + 2A_1$ | [1] | | | |
| 1194 | $3A_4 + A_2$ | [1] | 1253 | $E_8 + A_3 + 4A_1$ | [1] | | | |
| 1195 | $3A_4 + 2A_1$ | [1] | 1254 | $E_8 + 3A_2 + A_1$ | [1] | | | |
| 1196 | $2A_4 + 2A_3$ | [1] | 1255 | $E_8 + 2A_2 + 3A_1$ | [1] | | | |
| 1197 | $2A_4 + A_3 + A_2 + A_1$ | [1] | 1256 | $E_8 + A_2 + 5A_1$ | [1] | | | |
| 1198 | $2A_4 + A_3 + 3A_1$ | [1] | 1257 | $E_8 + 7A_1$ | empty | | | |
| 1199 | $2A_4 + 3A_2$ | [1] | 1258 | $2E_7 + A_1$ | [1] | | | |
| 1200 | $2A_4 + 2A_2 + 2A_1$ | [1] | 1259 | $E_7 + E_6 + A_2$ | [1] | | | |
| 1201 | $2A_4 + A_2 + 4A_1$ | [1] | 1260 | $E_7 + E_6 + 2A_1$ | [1] | | | |
| 1202 | $2A_4 + 6A_1$ | [1] | 1261 | $E_7 + D_8$ | [1] | | | |
| 1203 | $A_4 + 3A_3 + A_1$ | [1] | 1262 | $E_7 + D_7 + A_1$ | [1] | | | |
| 1204 | $A_4 + 2A_3 + 2A_2$ | [1] | 1263 | $E_7 + D_6 + A_2$ | [1] | | | |
| 1205 | $A_4 + 2A_3 + A_2 + 2A_1$ | [1] | 1264 | $E_7 + D_6 + 2A_1$ | [1] , [2] | | | |
| 1206 | $A_4 + 2A_3 + 4A_1$ | [1] , [2] | 1265 | $E_7 + D_5 + A_3$ | [1] | | | |
| 1207 | $A_4 + A_3 + 3A_2 + A_1$ | [1] | 1266 | $E_7 + D_5 + A_2 + A_1$ | [1] | | | |
| 1208 | $A_4 + A_3 + 2A_2 + 3A_1$ | [1] | 1267 | $E_7 + D_5 + 3A_1$ | [1] , [2] | | | |
| 1209 | $A_4 + A_3 + A_2 + 5A_1$ | [1] | 1268 | $E_7 + 2D_4$ | [1] | | | |
| 1210 | $A_4 + A_3 + 7A_1$ | [2] | 1269 | $E_7 + D_4 + A_4$ | [1] | | | |
| 1211 | $A_4 + 5A_2$ | [1] | 1270 | $E_7 + D_4 + A_3 + A_1$ | [1] , [2] | | | |
| 1212 | $A_4 + 4A_2 + 2A_1$ | [1] | 1271 | $E_7 + D_4 + 2A_2$ | [1] | | | |
| 1213 | $A_4 + 3A_2 + 4A_1$ | [1] | 1272 | $E_7 + D_4 + A_2 + 2A_1$ | [1] | | | |
| 1214 | $A_4 + 2A_2 + 6A_1$ | [1] | 1273 | $E_7 + D_4 + 4A_1$ | [2] | | | |
| 1215 | $A_4 + A_2 + 8A_1$ | [2] | 1274 | $E_7 + A_8$ | [1] | | | |
| 1216 | $4A_3 + A_2$ | [1] , [2] | 1275 | $E_7 + A_7 + A_1$ | [1] , [2] | | | |
| 1217 | $4A_3 + 2A_1$ | [1] , [2] , [4] | 1276 | $E_7 + A_6 + A_2$ | [1] | | | |
| 1218 | $3A_3 + 2A_2 + A_1$ | [1] | 1277 | $E_7 + A_6 + 2A_1$ | [1] | | | |
| 1219 | $3A_3 + A_2 + 3A_1$ | [1] , [2] | 1278 | $E_7 + A_5 + A_3$ | [1] , [2] | | | |
| 1220 | $3A_3 + 5A_1$ | [2] | 1279 | $E_7 + A_5 + A_2 + A_1$ | [1] | | | |
| 1221 | $2A_3 + 4A_2$ | [1] | 1280 | $E_7 + A_5 + 3A_1$ | [1] , [2] | | | |
| 1222 | $2A_3 + 3A_2 + 2A_1$ | [1] | 1281 | $E_7 + 2A_4$ | [1] | | | |
| 1223 | $2A_3 + 2A_2 + 4A_1$ | [1] , [2] | 1282 | $E_7 + A_4 + A_3 + A_1$ | [1] | | | |
| 1224 | $2A_3 + A_2 + 6A_1$ | [2] | 1283 | $E_7 + A_4 + 2A_2$ | [1] | | | |
| 1225 | $2A_3 + 8A_1$ | [2, 2] | 1284 | $E_7 + A_4 + A_2 + 2A_1$ | [1] | | | |
| 1226 | $A_3 + 5A_2 + A_1$ | [1] | 1285 | $E_7 + A_4 + 4A_1$ | [1] | | | |
| 1227 | $A_3 + 4A_2 + 3A_1$ | [1] | 1286 | $E_7 + 2A_3 + A_2$ | [1] | | | |
| 1228 | $A_3 + 3A_2 + 5A_1$ | [1] | 1287 | $E_7 + 2A_3 + 2A_1$ | [1] , [2] | | | |
| 1229 | $A_3 + 2A_2 + 7A_1$ | [2] | 1288 | $E_7 + A_3 + 2A_2 + A_1$ | [1] | | | |
| 1230 | $7A_2$ | [3] | 1289 | $E_7 + A_3 + A_2 + 3A_1$ | [1] , [2] | | | |
| 1231 | $6A_2 + 2A_1$ | [1] , [3] | 1290 | $E_7 + A_3 + 5A_1$ | [2] | | | |
| 1232 | $5A_2 + 4A_1$ | [1] | | | | | | |

Table 1 (rank 15)

| | | |
|------|---------------------------|----------|
| 1291 | $E_7 + 4A_2$ | [1] |
| 1292 | $E_7 + 3A_2 + 2A_1$ | [1] |
| 1293 | $E_7 + 2A_2 + 4A_1$ | [1] |
| 1294 | $E_7 + A_2 + 6A_1$ | [2] |
| 1295 | $2E_6 + A_3$ | [1] |
| 1296 | $2E_6 + A_2 + A_1$ | [1] |
| 1297 | $2E_6 + 3A_1$ | [1] |
| 1298 | $E_6 + D_9$ | [1] |
| 1299 | $E_6 + D_8 + A_1$ | [1] |
| 1300 | $E_6 + D_7 + A_2$ | [1] |
| 1301 | $E_6 + D_7 + 2A_1$ | [1] |
| 1302 | $E_6 + D_6 + A_3$ | [1] |
| 1303 | $E_6 + D_6 + A_2 + A_1$ | [1] |
| 1304 | $E_6 + D_6 + 3A_1$ | [1] |
| 1305 | $E_6 + D_5 + D_4$ | [1] |
| 1306 | $E_6 + D_5 + A_4$ | [1] |
| 1307 | $E_6 + D_5 + A_3 + A_1$ | [1] |
| 1308 | $E_6 + D_5 + 2A_2$ | [1] |
| 1309 | $E_6 + D_5 + A_2 + 2A_1$ | [1] |
| 1310 | $E_6 + D_5 + 4A_1$ | [1] |
| 1311 | $E_6 + 2D_4 + A_1$ | [1] |
| 1312 | $E_6 + D_4 + A_5$ | [1] |
| 1313 | $E_6 + D_4 + A_4 + A_1$ | [1] |
| 1314 | $E_6 + D_4 + A_3 + A_2$ | [1] |
| 1315 | $E_6 + D_4 + A_3 + 2A_1$ | [1] |
| 1316 | $E_6 + D_4 + 2A_2 + A_1$ | [1] |
| 1317 | $E_6 + D_4 + A_2 + 3A_1$ | [1] |
| 1318 | $E_6 + D_4 + 5A_1$ | empty |
| 1319 | $E_6 + A_9$ | [1] |
| 1320 | $E_6 + A_8 + A_1$ | [1] |
| 1321 | $E_6 + A_7 + A_2$ | [1] |
| 1322 | $E_6 + A_7 + 2A_1$ | [1] |
| 1323 | $E_6 + A_6 + A_3$ | [1] |
| 1324 | $E_6 + A_6 + A_2 + A_1$ | [1] |
| 1325 | $E_6 + A_6 + 3A_1$ | [1] |
| 1326 | $E_6 + A_5 + A_4$ | [1] |
| 1327 | $E_6 + A_5 + A_3 + A_1$ | [1] |
| 1328 | $E_6 + A_5 + 2A_2$ | [1], [3] |
| 1329 | $E_6 + A_5 + A_2 + 2A_1$ | [1] |
| 1330 | $E_6 + A_5 + 4A_1$ | [1] |
| 1331 | $E_6 + 2A_4 + A_1$ | [1] |
| 1332 | $E_6 + A_4 + A_3 + A_2$ | [1] |
| 1333 | $E_6 + A_4 + A_3 + 2A_1$ | [1] |
| 1334 | $E_6 + A_4 + 2A_2 + A_1$ | [1] |
| 1335 | $E_6 + A_4 + A_2 + 3A_1$ | [1] |
| 1336 | $E_6 + A_4 + 5A_1$ | [1] |
| 1337 | $E_6 + 3A_3$ | [1] |
| 1338 | $E_6 + 2A_3 + A_2 + A_1$ | [1] |
| 1339 | $E_6 + 2A_3 + 3A_1$ | [1] |
| 1340 | $E_6 + A_3 + 3A_2$ | [1] |
| 1341 | $E_6 + A_3 + 2A_2 + 2A_1$ | [1] |
| 1342 | $E_6 + A_3 + A_2 + 4A_1$ | [1] |
| 1343 | $E_6 + A_3 + 6A_1$ | empty |
| 1344 | $E_6 + 4A_2 + A_1$ | [1], [3] |
| 1345 | $E_6 + 3A_2 + 3A_1$ | [1] |
| 1346 | $E_6 + 2A_2 + 5A_1$ | [1] |
| 1347 | D_{15} | [1] |
| 1348 | $D_{14} + A_1$ | [1], [2] |
| 1349 | $D_{13} + A_2$ | [1] |
| 1350 | $D_{13} + 2A_1$ | [1] |
| 1351 | $D_{12} + A_3$ | [1], [2] |
| 1352 | $D_{12} + A_2 + A_1$ | [1] |
| 1353 | $D_{12} + 3A_1$ | [1], [2] |
| 1354 | $D_{11} + D_4$ | [1] |
| 1355 | $D_{11} + A_4$ | [1] |
| 1356 | $D_{11} + A_3 + A_1$ | [1] |
| 1357 | $D_{11} + 2A_2$ | [1] |
| 1358 | $D_{11} + A_2 + 2A_1$ | [1] |
| 1359 | $D_{11} + 4A_1$ | [1] |
| 1360 | $D_{10} + D_5$ | [1] |
| 1361 | $D_{10} + D_4 + A_1$ | [1], [2] |
| 1362 | $D_{10} + A_5$ | [1], [2] |
| 1363 | $D_{10} + A_4 + A_1$ | [1] |
| 1364 | $D_{10} + A_3 + A_2$ | [1] |
| 1365 | $D_{10} + A_3 + 2A_1$ | [1], [2] |
| 1366 | $D_{10} + 2A_2 + A_1$ | [1] |
| 1367 | $D_{10} + A_2 + 3A_1$ | [1], [2] |
| 1368 | $D_{10} + 5A_1$ | [2] |
| 1369 | $D_9 + D_6$ | [1] |
| 1370 | $D_9 + D_5 + A_1$ | [1] |
| 1371 | $D_9 + D_4 + A_2$ | [1] |
| 1372 | $D_9 + D_4 + 2A_1$ | [1] |
| 1373 | $D_9 + A_6$ | [1] |
| 1374 | $D_9 + A_5 + A_1$ | [1] |
| 1375 | $D_9 + A_4 + A_2$ | [1] |
| 1376 | $D_9 + A_4 + 2A_1$ | [1] |
| 1377 | $D_9 + 2A_3$ | [1] |
| 1378 | $D_9 + A_3 + A_2 + A_1$ | [1] |
| 1379 | $D_9 + A_3 + 3A_1$ | [1] |
| 1380 | $D_9 + 3A_2$ | [1] |
| 1381 | $D_9 + 2A_2 + 2A_1$ | [1] |
| 1382 | $D_9 + A_2 + 4A_1$ | [1] |
| 1383 | $D_9 + 6A_1$ | [2] |
| 1384 | $D_8 + D_7$ | [1] |
| 1385 | $D_8 + D_6 + A_1$ | [1], [2] |
| 1386 | $D_8 + D_5 + A_2$ | [1] |
| 1387 | $D_8 + D_5 + 2A_1$ | [1], [2] |
| 1388 | $D_8 + D_4 + A_3$ | [1], [2] |
| 1389 | $D_8 + D_4 + A_2 + A_1$ | [1] |
| 1390 | $D_8 + D_4 + 3A_1$ | [2] |
| 1391 | $D_8 + A_7$ | [1], [2] |
| 1392 | $D_8 + A_6 + A_1$ | [1] |
| 1393 | $D_8 + A_5 + A_2$ | [1] |
| 1394 | $D_8 + A_5 + 2A_1$ | [1], [2] |
| 1395 | $D_8 + A_4 + A_3$ | [1] |
| 1396 | $D_8 + A_4 + A_2 + A_1$ | [1] |
| 1397 | $D_8 + A_4 + 3A_1$ | [1] |
| 1398 | $D_8 + 2A_3 + A_1$ | [1], [2] |
| 1399 | $D_8 + A_3 + 2A_2$ | [1] |
| 1400 | $D_8 + A_3 + A_2 + 2A_1$ | [1], [2] |
| 1401 | $D_8 + A_3 + 4A_1$ | [2] |
| 1402 | $D_8 + 3A_2 + A_1$ | [1] |
| 1403 | $D_8 + 2A_2 + 3A_1$ | [1] |
| 1404 | $D_8 + A_2 + 5A_1$ | [2] |
| 1405 | $D_8 + 7A_1$ | [2, 2] |
| 1406 | $2D_7 + A_1$ | [1] |
| 1407 | $D_7 + D_6 + A_2$ | [1] |
| 1408 | $D_7 + D_6 + 2A_1$ | [1] |
| 1409 | $D_7 + D_5 + A_3$ | [1] |
| 1410 | $D_7 + D_5 + A_2 + A_1$ | [1] |

Table 1 (rank 15)

| | | |
|------|-------------------------------|-----------|
| 1411 | $D_7 + D_5 + 3A_1$ | [1] |
| 1412 | $D_7 + 2D_4$ | [1] |
| 1413 | $D_7 + D_4 + A_4$ | [1] |
| 1414 | $D_7 + D_4 + A_3 + A_1$ | [1] |
| 1415 | $D_7 + D_4 + 2A_2$ | [1] |
| 1416 | $D_7 + D_4 + A_2 + 2A_1$ | [1] |
| 1417 | $D_7 + D_4 + 4A_1$ | [2] |
| 1418 | $D_7 + A_8$ | [1] |
| 1419 | $D_7 + A_7 + A_1$ | [1] |
| 1420 | $D_7 + A_6 + A_2$ | [1] |
| 1421 | $D_7 + A_6 + 2A_1$ | [1] |
| 1422 | $D_7 + A_5 + A_3$ | [1] |
| 1423 | $D_7 + A_5 + A_2 + A_1$ | [1] |
| 1424 | $D_7 + A_5 + 3A_1$ | [1] , [2] |
| 1425 | $D_7 + 2A_4$ | [1] |
| 1426 | $D_7 + A_4 + A_3 + A_1$ | [1] |
| 1427 | $D_7 + A_4 + 2A_2$ | [1] |
| 1428 | $D_7 + A_4 + A_2 + 2A_1$ | [1] |
| 1429 | $D_7 + A_4 + 4A_1$ | [1] |
| 1430 | $D_7 + 2A_3 + A_2$ | [1] |
| 1431 | $D_7 + 2A_3 + 2A_1$ | [1] , [2] |
| 1432 | $D_7 + A_3 + 2A_2 + A_1$ | [1] |
| 1433 | $D_7 + A_3 + A_2 + 3A_1$ | [1] |
| 1434 | $D_7 + A_3 + 5A_1$ | [2] |
| 1435 | $D_7 + 4A_2$ | [1] |
| 1436 | $D_7 + 3A_2 + 2A_1$ | [1] |
| 1437 | $D_7 + 2A_2 + 4A_1$ | [1] |
| 1438 | $D_7 + A_2 + 6A_1$ | [2] |
| 1439 | $2D_6 + A_3$ | [1] , [2] |
| 1440 | $2D_6 + A_2 + A_1$ | [1] |
| 1441 | $2D_6 + 3A_1$ | [2] |
| 1442 | $D_6 + D_5 + D_4$ | [1] |
| 1443 | $D_6 + D_5 + A_4$ | [1] |
| 1444 | $D_6 + D_5 + A_3 + A_1$ | [1] , [2] |
| 1445 | $D_6 + D_5 + 2A_2$ | [1] |
| 1446 | $D_6 + D_5 + A_2 + 2A_1$ | [1] |
| 1447 | $D_6 + D_5 + 4A_1$ | [2] |
| 1448 | $D_6 + 2D_4 + A_1$ | [2] |
| 1449 | $D_6 + D_4 + A_5$ | [1] , [2] |
| 1450 | $D_6 + D_4 + A_4 + A_1$ | [1] |
| 1451 | $D_6 + D_4 + A_3 + A_2$ | [1] |
| 1452 | $D_6 + D_4 + A_3 + 2A_1$ | [2] |
| 1453 | $D_6 + D_4 + 2A_2 + A_1$ | [1] |
| 1454 | $D_6 + D_4 + A_2 + 3A_1$ | [2] |
| 1455 | $D_6 + D_4 + 5A_1$ | [2] , [2] |
| 1456 | $D_6 + A_9$ | [1] , [2] |
| 1457 | $D_6 + A_8 + A_1$ | [1] |
| 1458 | $D_6 + A_7 + A_2$ | [1] |
| 1459 | $D_6 + A_7 + 2A_1$ | [1] , [2] |
| 1460 | $D_6 + A_6 + A_3$ | [1] |
| 1461 | $D_6 + A_6 + A_2 + A_1$ | [1] |
| 1462 | $D_6 + A_6 + 3A_1$ | [1] |
| 1463 | $D_6 + A_5 + A_4$ | [1] |
| 1464 | $D_6 + A_5 + A_3 + A_1$ | [1] , [2] |
| 1465 | $D_6 + A_5 + 2A_2$ | [1] |
| 1466 | $D_6 + A_5 + A_2 + 2A_1$ | [1] , [2] |
| 1467 | $D_6 + A_5 + 4A_1$ | [2] |
| 1468 | $D_6 + 2A_4 + A_1$ | [1] |
| 1469 | $D_6 + A_4 + A_3 + A_2$ | [1] |
| 1470 | $D_6 + A_4 + A_3 + 2A_1$ | [1] |
| 1471 | $D_6 + A_4 + 2A_2 + A_1$ | [1] |
| 1472 | $D_6 + A_4 + A_2 + 3A_1$ | [1] |
| 1473 | $D_6 + A_4 + 5A_1$ | [2] |
| 1474 | $D_6 + 3A_3$ | [1] , [2] |
| 1475 | $D_6 + 2A_3 + A_2 + A_1$ | [1] , [2] |
| 1476 | $D_6 + 2A_3 + 3A_1$ | [2] |
| 1477 | $D_6 + A_3 + 3A_2$ | [1] |
| 1478 | $D_6 + A_3 + 2A_2 + 2A_1$ | [1] |
| 1479 | $D_6 + A_3 + A_2 + 4A_1$ | [2] |
| 1480 | $D_6 + A_3 + 6A_1$ | [2] , [2] |
| 1481 | $D_6 + 4A_2 + A_1$ | [1] |
| 1482 | $D_6 + 3A_2 + 3A_1$ | [1] |
| 1483 | $D_6 + 2A_2 + 5A_1$ | [2] |
| 1484 | $3D_5$ | [1] |
| 1485 | $2D_5 + D_4 + A_1$ | [1] |
| 1486 | $2D_5 + A_5$ | [1] |
| 1487 | $2D_5 + A_4 + A_1$ | [1] |
| 1488 | $2D_5 + A_3 + A_2$ | [1] |
| 1489 | $2D_5 + A_3 + 2A_1$ | [1] , [2] |
| 1490 | $2D_5 + 2A_2 + A_1$ | [1] |
| 1491 | $2D_5 + A_2 + 3A_1$ | [1] |
| 1492 | $2D_5 + 5A_1$ | [2] |
| 1493 | $D_5 + 2D_4 + A_2$ | [1] |
| 1494 | $D_5 + 2D_4 + 2A_1$ | [2] |
| 1495 | $D_5 + D_4 + A_6$ | [1] |
| 1496 | $D_5 + D_4 + A_5 + A_1$ | [1] , [2] |
| 1497 | $D_5 + D_4 + A_4 + A_2$ | [1] |
| 1498 | $D_5 + D_4 + A_4 + 2A_1$ | [1] |
| 1499 | $D_5 + D_4 + 2A_3$ | [1] , [2] |
| 1500 | $D_5 + D_4 + A_3 + A_2 + A_1$ | [1] |
| 1501 | $D_5 + D_4 + A_3 + 3A_1$ | [2] |
| 1502 | $D_5 + D_4 + 3A_2$ | [1] |
| 1503 | $D_5 + D_4 + 2A_2 + 2A_1$ | [1] |
| 1504 | $D_5 + D_4 + A_2 + 4A_1$ | [2] |
| 1505 | $D_5 + A_{10}$ | [1] |
| 1506 | $D_5 + A_9 + A_1$ | [1] , [2] |
| 1507 | $D_5 + A_8 + A_2$ | [1] |
| 1508 | $D_5 + A_8 + 2A_1$ | [1] |
| 1509 | $D_5 + A_7 + A_3$ | [1] , [2] |
| 1510 | $D_5 + A_7 + A_2 + A_1$ | [1] |
| 1511 | $D_5 + A_7 + 3A_1$ | [1] , [2] |
| 1512 | $D_5 + A_6 + A_4$ | [1] |
| 1513 | $D_5 + A_6 + A_3 + A_1$ | [1] |
| 1514 | $D_5 + A_6 + 2A_2$ | [1] |
| 1515 | $D_5 + A_6 + A_2 + 2A_1$ | [1] |
| 1516 | $D_5 + A_6 + 4A_1$ | [1] |
| 1517 | $D_5 + 2A_5$ | [1] , [2] |
| 1518 | $D_5 + A_5 + A_4 + A_1$ | [1] |
| 1519 | $D_5 + A_5 + A_3 + A_2$ | [1] |
| 1520 | $D_5 + A_5 + A_3 + 2A_1$ | [1] , [2] |
| 1521 | $D_5 + A_5 + 2A_2 + A_1$ | [1] |
| 1522 | $D_5 + A_5 + A_2 + 3A_1$ | [1] , [2] |
| 1523 | $D_5 + A_5 + 5A_1$ | [2] |
| 1524 | $D_5 + 2A_4 + A_2$ | [1] |
| 1525 | $D_5 + 2A_4 + 2A_1$ | [1] |
| 1526 | $D_5 + A_4 + 2A_3$ | [1] |
| 1527 | $D_5 + A_4 + A_3 + A_2 + A_1$ | [1] |
| 1528 | $D_5 + A_4 + A_3 + 3A_1$ | [1] |
| 1529 | $D_5 + A_4 + 3A_2$ | [1] |
| 1530 | $D_5 + A_4 + 2A_2 + 2A_1$ | [1] |

Table 1 (rank 15)

| | | |
|------|--------------------------------|---------------|
| 1531 | $D_5 + A_4 + A_2 + 4A_1$ | [1] |
| 1532 | $D_5 + A_4 + 6A_1$ | [2] |
| 1533 | $D_5 + 3A_3 + A_1$ | [1], [2], [4] |
| 1534 | $D_5 + 2A_3 + 2A_2$ | [1] |
| 1535 | $D_5 + 2A_3 + A_2 + 2A_1$ | [1], [2] |
| 1536 | $D_5 + 2A_3 + 4A_1$ | [2] |
| 1537 | $D_5 + A_3 + 3A_2 + A_1$ | [1] |
| 1538 | $D_5 + A_3 + 2A_2 + 3A_1$ | [1] |
| 1539 | $D_5 + A_3 + A_2 + 5A_1$ | [2] |
| 1540 | $D_5 + 5A_2$ | [1] |
| 1541 | $D_5 + 4A_2 + 2A_1$ | [1] |
| 1542 | $D_5 + 3A_2 + 4A_1$ | [1] |
| 1543 | $3D_4 + A_3$ | [2] |
| 1544 | $3D_4 + A_2 + A_1$ | empty |
| 1545 | $3D_4 + 3A_1$ | [2, 2] |
| 1546 | $2D_4 + A_7$ | [1], [2] |
| 1547 | $2D_4 + A_6 + A_1$ | [1] |
| 1548 | $2D_4 + A_5 + A_2$ | [1] |
| 1549 | $2D_4 + A_5 + 2A_1$ | [2] |
| 1550 | $2D_4 + A_4 + A_3$ | [1] |
| 1551 | $2D_4 + A_4 + A_2 + A_1$ | [1] |
| 1552 | $2D_4 + A_4 + 3A_1$ | empty |
| 1553 | $2D_4 + 2A_3 + A_1$ | [2] |
| 1554 | $2D_4 + A_3 + 2A_2$ | empty |
| 1555 | $2D_4 + A_3 + A_2 + 2A_1$ | [2] |
| 1556 | $2D_4 + A_3 + 4A_1$ | [2, 2] |
| 1557 | $2D_4 + 3A_2 + A_1$ | [1] |
| 1558 | $2D_4 + 2A_2 + 3A_1$ | empty |
| 1559 | $D_4 + A_{11}$ | [1], [2] |
| 1560 | $D_4 + A_{10} + A_1$ | [1] |
| 1561 | $D_4 + A_9 + A_2$ | [1] |
| 1562 | $D_4 + A_9 + 2A_1$ | [1], [2] |
| 1563 | $D_4 + A_8 + A_3$ | [1] |
| 1564 | $D_4 + A_8 + A_2 + A_1$ | [1] |
| 1565 | $D_4 + A_8 + 3A_1$ | [1] |
| 1566 | $D_4 + A_7 + A_4$ | [1] |
| 1567 | $D_4 + A_7 + A_3 + A_1$ | [1], [2] |
| 1568 | $D_4 + A_7 + 2A_2$ | [1] |
| 1569 | $D_4 + A_7 + A_2 + 2A_1$ | [1], [2] |
| 1570 | $D_4 + A_7 + 4A_1$ | [2] |
| 1571 | $D_4 + A_6 + A_5$ | [1] |
| 1572 | $D_4 + A_6 + A_4 + A_1$ | [1] |
| 1573 | $D_4 + A_6 + A_3 + A_2$ | [1] |
| 1574 | $D_4 + A_6 + A_3 + 2A_1$ | [1] |
| 1575 | $D_4 + A_6 + 2A_2 + A_1$ | [1] |
| 1576 | $D_4 + A_6 + A_2 + 3A_1$ | [1] |
| 1577 | $D_4 + A_6 + 5A_1$ | empty |
| 1578 | $D_4 + 2A_5 + A_1$ | [1], [2] |
| 1579 | $D_4 + A_5 + A_4 + A_2$ | [1] |
| 1580 | $D_4 + A_5 + A_4 + 2A_1$ | [1] |
| 1581 | $D_4 + A_5 + 2A_3$ | [1] |
| 1582 | $D_4 + A_5 + A_3 + A_2 + A_1$ | [1], [2] |
| 1583 | $D_4 + A_5 + A_3 + 3A_1$ | [2] |
| 1584 | $D_4 + A_5 + 3A_2$ | [1] |
| 1585 | $D_4 + A_5 + 2A_2 + 2A_1$ | [1] |
| 1586 | $D_4 + A_5 + A_2 + 4A_1$ | [2] |
| 1587 | $D_4 + A_5 + 6A_1$ | [2, 2] |
| 1588 | $D_4 + 2A_4 + A_3$ | [1] |
| 1589 | $D_4 + 2A_4 + A_2 + A_1$ | [1] |
| 1590 | $D_4 + 2A_4 + 3A_1$ | [1] |
| 1591 | $D_4 + A_4 + 2A_3 + A_1$ | [1] |
| 1592 | $D_4 + A_4 + A_3 + 2A_2$ | [1] |
| 1593 | $D_4 + A_4 + A_3 + A_2 + 2A_1$ | [1] |
| 1594 | $D_4 + A_4 + A_3 + 4A_1$ | [2] |
| 1595 | $D_4 + A_4 + 3A_2 + A_1$ | [1] |
| 1596 | $D_4 + A_4 + 2A_2 + 3A_1$ | [1] |
| 1597 | $D_4 + A_4 + A_2 + 5A_1$ | empty |
| 1598 | $D_4 + 3A_3 + A_2$ | [2] |
| 1599 | $D_4 + 3A_3 + 2A_1$ | [2] |
| 1600 | $D_4 + 2A_3 + 2A_2 + A_1$ | [1] |
| 1601 | $D_4 + 2A_3 + A_2 + 3A_1$ | [2] |
| 1602 | $D_4 + 2A_3 + 5A_1$ | [2, 2] |
| 1603 | $D_4 + A_3 + 4A_2$ | [1] |
| 1604 | $D_4 + A_3 + 3A_2 + 2A_1$ | [1] |
| 1605 | $D_4 + A_3 + 2A_2 + 4A_1$ | [2] |
| 1606 | $D_4 + 5A_2 + A_1$ | empty |
| 1607 | $D_4 + 4A_2 + 3A_1$ | [1] |
| 1608 | A_{15} | [1], [2] |
| 1609 | $A_{14} + A_1$ | [1] |
| 1610 | $A_{13} + A_2$ | [1] |
| 1611 | $A_{13} + 2A_1$ | [1], [2] |
| 1612 | $A_{12} + A_3$ | [1] |
| 1613 | $A_{12} + A_2 + A_1$ | [1] |
| 1614 | $A_{12} + 3A_1$ | [1] |
| 1615 | $A_{11} + A_4$ | [1] |
| 1616 | $A_{11} + A_3 + A_1$ | [1], [2] |
| 1617 | $A_{11} + 2A_2$ | [1], [3] |
| 1618 | $A_{11} + A_2 + 2A_1$ | [1], [2] |
| 1619 | $A_{11} + 4A_1$ | [1], [2] |
| 1620 | $A_{10} + A_5$ | [1] |
| 1621 | $A_{10} + A_4 + A_1$ | [1] |
| 1622 | $A_{10} + A_3 + A_2$ | [1] |
| 1623 | $A_{10} + A_3 + 2A_1$ | [1] |
| 1624 | $A_{10} + 2A_2 + A_1$ | [1] |
| 1625 | $A_{10} + A_2 + 3A_1$ | [1] |
| 1626 | $A_{10} + 5A_1$ | [1] |
| 1627 | $A_9 + A_6$ | [1] |
| 1628 | $A_9 + A_5 + A_1$ | [1], [2] |
| 1629 | $A_9 + A_4 + A_2$ | [1] |
| 1630 | $A_9 + A_4 + 2A_1$ | [1] |
| 1631 | $A_9 + 2A_3$ | [1] |
| 1632 | $A_9 + A_3 + A_2 + A_1$ | [1], [2] |
| 1633 | $A_9 + A_3 + 3A_1$ | [1], [2] |
| 1634 | $A_9 + 3A_2$ | [1] |
| 1635 | $A_9 + 2A_2 + 2A_1$ | [1] |
| 1636 | $A_9 + A_2 + 4A_1$ | [1], [2] |
| 1637 | $A_9 + 6A_1$ | [2] |
| 1638 | $A_8 + A_7$ | [1] |
| 1639 | $A_8 + A_6 + A_1$ | [1] |
| 1640 | $A_8 + A_5 + A_2$ | [1], [3] |
| 1641 | $A_8 + A_5 + 2A_1$ | [1] |
| 1642 | $A_8 + A_4 + A_3$ | [1] |
| 1643 | $A_8 + A_4 + A_2 + A_1$ | [1] |
| 1644 | $A_8 + A_4 + 3A_1$ | [1] |
| 1645 | $A_8 + 2A_3 + A_1$ | [1] |
| 1646 | $A_8 + A_3 + 2A_2$ | [1] |
| 1647 | $A_8 + A_3 + A_2 + 2A_1$ | [1] |
| 1648 | $A_8 + A_3 + 4A_1$ | [1] |
| 1649 | $A_8 + 3A_2 + A_1$ | [1], [3] |
| 1650 | $A_8 + 2A_2 + 3A_1$ | [1] |

Table 1 (rank 15 - rank 16)

| | | |
|------|-------------------------------|-----------------|
| 1651 | $A_8 + A_2 + 5A_1$ | [1] |
| 1652 | $A_8 + 7A_1$ | empty |
| 1653 | $2A_7 + A_1$ | [1] , [2] |
| 1654 | $A_7 + A_6 + A_2$ | [1] |
| 1655 | $A_7 + A_6 + 2A_1$ | [1] |
| 1656 | $A_7 + A_5 + A_3$ | [1] |
| 1657 | $A_7 + A_5 + A_2 + A_1$ | [1] , [2] |
| 1658 | $A_7 + A_5 + 3A_1$ | [1] , [2] |
| 1659 | $A_7 + 2A_4$ | [1] |
| 1660 | $A_7 + A_4 + A_3 + A_1$ | [1] |
| 1661 | $A_7 + A_4 + 2A_2$ | [1] |
| 1662 | $A_7 + A_4 + A_2 + 2A_1$ | [1] |
| 1663 | $A_7 + A_4 + 4A_1$ | [1] , [2] |
| 1664 | $A_7 + 2A_3 + A_2$ | [1] , [2] |
| 1665 | $A_7 + 2A_3 + 2A_1$ | [1] , [2] , [4] |
| 1666 | $A_7 + A_3 + 2A_2 + A_1$ | [1] |
| 1667 | $A_7 + A_3 + A_2 + 3A_1$ | [1] , [2] |
| 1668 | $A_7 + A_3 + 5A_1$ | [2] |
| 1669 | $A_7 + 4A_2$ | [1] |
| 1670 | $A_7 + 3A_2 + 2A_1$ | [1] |
| 1671 | $A_7 + 2A_2 + 4A_1$ | [1] , [2] |
| 1672 | $A_7 + A_2 + 6A_1$ | [2] |
| 1673 | $A_7 + 8A_1$ | [2, 2] |
| 1674 | $2A_6 + A_3$ | [1] |
| 1675 | $2A_6 + A_2 + A_1$ | [1] |
| 1676 | $2A_6 + 3A_1$ | [1] |
| 1677 | $A_6 + A_5 + A_4$ | [1] |
| 1678 | $A_6 + A_5 + A_3 + A_1$ | [1] |
| 1679 | $A_6 + A_5 + 2A_2$ | [1] |
| 1680 | $A_6 + A_5 + A_2 + 2A_1$ | [1] |
| 1681 | $A_6 + A_5 + 4A_1$ | [1] |
| 1682 | $A_6 + 2A_4 + A_1$ | [1] |
| 1683 | $A_6 + A_4 + A_3 + A_2$ | [1] |
| 1684 | $A_6 + A_4 + A_3 + 2A_1$ | [1] |
| 1685 | $A_6 + A_4 + 2A_2 + A_1$ | [1] |
| 1686 | $A_6 + A_4 + A_2 + 3A_1$ | [1] |
| 1687 | $A_6 + A_4 + 5A_1$ | [1] |
| 1688 | $A_6 + 3A_3$ | [1] |
| 1689 | $A_6 + 2A_3 + A_2 + A_1$ | [1] |
| 1690 | $A_6 + 2A_3 + 3A_1$ | [1] |
| 1691 | $A_6 + A_3 + 3A_2$ | [1] |
| 1692 | $A_6 + A_3 + 2A_2 + 2A_1$ | [1] |
| 1693 | $A_6 + A_3 + A_2 + 4A_1$ | [1] |
| 1694 | $A_6 + A_3 + 6A_1$ | [2] |
| 1695 | $A_6 + 4A_2 + A_1$ | [1] |
| 1696 | $A_6 + 3A_2 + 3A_1$ | [1] |
| 1697 | $A_6 + 2A_2 + 5A_1$ | [1] |
| 1698 | $A_6 + A_2 + 7A_1$ | empty |
| 1699 | $3A_5$ | [1] , [3] |
| 1700 | $2A_5 + A_4 + A_1$ | [1] |
| 1701 | $2A_5 + A_3 + A_2$ | [1] , [2] |
| 1702 | $2A_5 + A_3 + 2A_1$ | [1] , [2] |
| 1703 | $2A_5 + 2A_2 + A_1$ | [1] , [3] |
| 1704 | $2A_5 + A_2 + 3A_1$ | [1] , [2] |
| 1705 | $2A_5 + 5A_1$ | [2] |
| 1706 | $A_5 + 2A_4 + A_2$ | [1] |
| 1707 | $A_5 + 2A_4 + 2A_1$ | [1] |
| 1708 | $A_5 + A_4 + 2A_3$ | [1] |
| 1709 | $A_5 + A_4 + A_3 + A_2 + A_1$ | [1] |
| 1710 | $A_5 + A_4 + A_3 + 3A_1$ | [1] , [2] |
| 1711 | $A_5 + A_4 + 3A_2$ | [1] |
| 1712 | $A_5 + A_4 + 2A_2 + 2A_1$ | [1] |
| 1713 | $A_5 + A_4 + A_2 + 4A_1$ | [1] |
| 1714 | $A_5 + A_4 + 6A_1$ | [2] |
| 1715 | $A_5 + 3A_3 + A_1$ | [1] , [2] |
| 1716 | $A_5 + 2A_3 + 2A_2$ | [1] |
| 1717 | $A_5 + 2A_3 + A_2 + 2A_1$ | [1] , [2] |
| 1718 | $A_5 + 2A_3 + 4A_1$ | [2] |
| 1719 | $A_5 + A_3 + 3A_2 + A_1$ | [1] |
| 1720 | $A_5 + A_3 + 2A_2 + 3A_1$ | [1] , [2] |
| 1721 | $A_5 + A_3 + A_2 + 5A_1$ | [2] |
| 1722 | $A_5 + A_3 + 7A_1$ | [2, 2] |
| 1723 | $A_5 + 5A_2$ | [3] |
| 1724 | $A_5 + 4A_2 + 2A_1$ | [1] , [3] |
| 1725 | $A_5 + 3A_2 + 4A_1$ | [1] |
| 1726 | $A_5 + 2A_2 + 6A_1$ | [2] |
| 1727 | $3A_4 + A_3$ | [1] |
| 1728 | $3A_4 + A_2 + A_1$ | [1] |
| 1729 | $3A_4 + 3A_1$ | [1] |
| 1730 | $2A_4 + 2A_3 + A_1$ | [1] |
| 1731 | $2A_4 + A_3 + 2A_2$ | [1] |
| 1732 | $2A_4 + A_3 + A_2 + 2A_1$ | [1] |
| 1733 | $2A_4 + A_3 + 4A_1$ | [1] |
| 1734 | $2A_4 + 3A_2 + A_1$ | [1] |
| 1735 | $2A_4 + 2A_2 + 3A_1$ | [1] |
| 1736 | $2A_4 + A_2 + 5A_1$ | [1] |
| 1737 | $2A_4 + 7A_1$ | empty |
| 1738 | $A_4 + 3A_3 + A_2$ | [1] |
| 1739 | $A_4 + 3A_3 + 2A_1$ | [1] , [2] |
| 1740 | $A_4 + 2A_3 + 2A_2 + A_1$ | [1] |
| 1741 | $A_4 + 2A_3 + A_2 + 3A_1$ | [1] |
| 1742 | $A_4 + 2A_3 + 5A_1$ | [2] |
| 1743 | $A_4 + A_3 + 4A_2$ | [1] |
| 1744 | $A_4 + A_3 + 3A_2 + 2A_1$ | [1] |
| 1745 | $A_4 + A_3 + 2A_2 + 4A_1$ | [1] |
| 1746 | $A_4 + A_3 + A_2 + 6A_1$ | [2] |
| 1747 | $A_4 + 5A_2 + A_1$ | [1] |
| 1748 | $A_4 + 4A_2 + 3A_1$ | [1] |
| 1749 | $A_4 + 3A_2 + 5A_1$ | [1] |
| 1750 | $5A_3$ | [4] |
| 1751 | $4A_3 + A_2 + A_1$ | [1] , [2] |
| 1752 | $4A_3 + 3A_1$ | [2] , [4] |
| 1753 | $3A_3 + 3A_2$ | [1] |
| 1754 | $3A_3 + 2A_2 + 2A_1$ | [1] , [2] |
| 1755 | $3A_3 + A_2 + 4A_1$ | [2] |
| 1756 | $3A_3 + 6A_1$ | [2, 2] |
| 1757 | $2A_3 + 4A_2 + A_1$ | [1] |
| 1758 | $2A_3 + 3A_2 + 3A_1$ | [1] |
| 1759 | $2A_3 + 2A_2 + 5A_1$ | [2] |
| 1760 | $A_3 + 6A_2$ | [3] |
| 1761 | $A_3 + 5A_2 + 2A_1$ | [1] |
| 1762 | $A_3 + 4A_2 + 4A_1$ | [1] |
| 1763 | $7A_2 + A_1$ | [3] |
| 1764 | $6A_2 + 3A_1$ | [3] |

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| | | |
|------|--------------------|-----|
| 1765 | $2E_8$ | [1] |
| 1766 | $E_8 + E_7 + A_1$ | [1] |
| 1767 | $E_8 + E_6 + A_2$ | [1] |
| 1768 | $E_8 + E_6 + 2A_1$ | [1] |

Table 1 (rank 16)

| | | |
|------|-------------------------------|-----------|
| 1769 | $E_8 + D_8$ | [1] |
| 1770 | $E_8 + D_7 + A_1$ | [1] |
| 1771 | $E_8 + D_6 + A_2$ | [1] |
| 1772 | $E_8 + D_6 + 2A_1$ | [1] |
| 1773 | $E_8 + D_5 + A_3$ | [1] |
| 1774 | $E_8 + D_5 + A_2 + A_1$ | [1] |
| 1775 | $E_8 + D_5 + 3A_1$ | [1] |
| 1776 | $E_8 + 2D_4$ | [1] |
| 1777 | $E_8 + D_4 + A_4$ | [1] |
| 1778 | $E_8 + D_4 + A_3 + A_1$ | [1] |
| 1779 | $E_8 + D_4 + 2A_2$ | [1] |
| 1780 | $E_8 + D_4 + A_2 + 2A_1$ | [1] |
| 1781 | $E_8 + D_4 + 4A_1$ | empty |
| 1782 | $E_8 + A_8$ | [1] |
| 1783 | $E_8 + A_7 + A_1$ | [1] |
| 1784 | $E_8 + A_6 + A_2$ | [1] |
| 1785 | $E_8 + A_6 + 2A_1$ | [1] |
| 1786 | $E_8 + A_5 + A_3$ | [1] |
| 1787 | $E_8 + A_5 + A_2 + A_1$ | [1] |
| 1788 | $E_8 + A_5 + 3A_1$ | [1] |
| 1789 | $E_8 + 2A_4$ | [1] |
| 1790 | $E_8 + A_4 + A_3 + A_1$ | [1] |
| 1791 | $E_8 + A_4 + 2A_2$ | [1] |
| 1792 | $E_8 + A_4 + A_2 + 2A_1$ | [1] |
| 1793 | $E_8 + A_4 + 4A_1$ | [1] |
| 1794 | $E_8 + 2A_3 + A_2$ | [1] |
| 1795 | $E_8 + 2A_3 + 2A_1$ | [1] |
| 1796 | $E_8 + A_3 + 2A_2 + A_1$ | [1] |
| 1797 | $E_8 + A_3 + A_2 + 3A_1$ | [1] |
| 1798 | $E_8 + A_3 + 5A_1$ | empty |
| 1799 | $E_8 + 4A_2$ | [1] |
| 1800 | $E_8 + 3A_2 + 2A_1$ | [1] |
| 1801 | $E_8 + 2A_2 + 4A_1$ | [1] |
| 1802 | $2E_7 + A_2$ | [1] |
| 1803 | $2E_7 + 2A_1$ | [1] , [2] |
| 1804 | $E_7 + E_6 + A_3$ | [1] |
| 1805 | $E_7 + E_6 + A_2 + A_1$ | [1] |
| 1806 | $E_7 + E_6 + 3A_1$ | [1] |
| 1807 | $E_7 + D_9$ | [1] |
| 1808 | $E_7 + D_8 + A_1$ | [1] , [2] |
| 1809 | $E_7 + D_7 + A_2$ | [1] |
| 1810 | $E_7 + D_7 + 2A_1$ | [1] |
| 1811 | $E_7 + D_6 + A_3$ | [1] , [2] |
| 1812 | $E_7 + D_6 + A_2 + A_1$ | [1] |
| 1813 | $E_7 + D_6 + 3A_1$ | [2] |
| 1814 | $E_7 + D_5 + D_4$ | [1] |
| 1815 | $E_7 + D_5 + A_4$ | [1] |
| 1816 | $E_7 + D_5 + A_3 + A_1$ | [1] , [2] |
| 1817 | $E_7 + D_5 + 2A_2$ | [1] |
| 1818 | $E_7 + D_5 + A_2 + 2A_1$ | [1] |
| 1819 | $E_7 + D_5 + 4A_1$ | [2] |
| 1820 | $E_7 + 2D_4 + A_1$ | [2] |
| 1821 | $E_7 + D_4 + A_5$ | [1] , [2] |
| 1822 | $E_7 + D_4 + A_4 + A_1$ | [1] |
| 1823 | $E_7 + D_4 + A_3 + A_2$ | [1] |
| 1824 | $E_7 + D_4 + A_3 + 2A_1$ | [2] |
| 1825 | $E_7 + D_4 + 2A_2 + A_1$ | [1] |
| 1826 | $E_7 + D_4 + A_2 + 3A_1$ | [2] |
| 1827 | $E_7 + A_9$ | [1] , [2] |
| 1828 | $E_7 + A_8 + A_1$ | [1] |
| 1829 | $E_7 + A_7 + A_2$ | [1] |
| 1830 | $E_7 + A_7 + 2A_1$ | [1] , [2] |
| 1831 | $E_7 + A_6 + A_3$ | [1] |
| 1832 | $E_7 + A_6 + A_2 + A_1$ | [1] |
| 1833 | $E_7 + A_6 + 3A_1$ | [1] |
| 1834 | $E_7 + A_5 + A_4$ | [1] |
| 1835 | $E_7 + A_5 + A_3 + A_1$ | [1] , [2] |
| 1836 | $E_7 + A_5 + 2A_2$ | [1] |
| 1837 | $E_7 + A_5 + A_2 + 2A_1$ | [1] , [2] |
| 1838 | $E_7 + A_5 + 4A_1$ | [2] |
| 1839 | $E_7 + 2A_4 + A_1$ | [1] |
| 1840 | $E_7 + A_4 + A_3 + A_2$ | [1] |
| 1841 | $E_7 + A_4 + A_3 + 2A_1$ | [1] |
| 1842 | $E_7 + A_4 + 2A_2 + A_1$ | [1] |
| 1843 | $E_7 + A_4 + A_2 + 3A_1$ | [1] |
| 1844 | $E_7 + A_4 + 5A_1$ | [2] |
| 1845 | $E_7 + 3A_3$ | [1] |
| 1846 | $E_7 + 2A_3 + A_2 + A_1$ | [1] , [2] |
| 1847 | $E_7 + 2A_3 + 3A_1$ | [2] |
| 1848 | $E_7 + A_3 + 3A_2$ | [1] |
| 1849 | $E_7 + A_3 + 2A_2 + 2A_1$ | [1] |
| 1850 | $E_7 + A_3 + A_2 + 4A_1$ | [2] |
| 1851 | $E_7 + 4A_2 + A_1$ | [1] |
| 1852 | $E_7 + 3A_2 + 3A_1$ | [1] |
| 1853 | $2E_6 + D_4$ | [1] |
| 1854 | $2E_6 + A_4$ | [1] |
| 1855 | $2E_6 + A_3 + A_1$ | [1] |
| 1856 | $2E_6 + 2A_2$ | [1] , [3] |
| 1857 | $2E_6 + A_2 + 2A_1$ | [1] |
| 1858 | $2E_6 + 4A_1$ | [1] |
| 1859 | $E_6 + D_{10}$ | [1] |
| 1860 | $E_6 + D_9 + A_1$ | [1] |
| 1861 | $E_6 + D_8 + A_2$ | [1] |
| 1862 | $E_6 + D_8 + 2A_1$ | [1] |
| 1863 | $E_6 + D_7 + A_3$ | [1] |
| 1864 | $E_6 + D_7 + A_2 + A_1$ | [1] |
| 1865 | $E_6 + D_7 + 3A_1$ | [1] |
| 1866 | $E_6 + D_6 + D_4$ | [1] |
| 1867 | $E_6 + D_6 + A_4$ | [1] |
| 1868 | $E_6 + D_6 + A_3 + A_1$ | [1] |
| 1869 | $E_6 + D_6 + 2A_2$ | [1] |
| 1870 | $E_6 + D_6 + A_2 + 2A_1$ | [1] |
| 1871 | $E_6 + D_6 + 4A_1$ | empty |
| 1872 | $E_6 + 2D_5$ | [1] |
| 1873 | $E_6 + D_5 + D_4 + A_1$ | [1] |
| 1874 | $E_6 + D_5 + A_5$ | [1] |
| 1875 | $E_6 + D_5 + A_4 + A_1$ | [1] |
| 1876 | $E_6 + D_5 + A_3 + A_2$ | [1] |
| 1877 | $E_6 + D_5 + A_3 + 2A_1$ | [1] |
| 1878 | $E_6 + D_5 + 2A_2 + A_1$ | [1] |
| 1879 | $E_6 + D_5 + A_2 + 3A_1$ | [1] |
| 1880 | $E_6 + 2D_4 + A_2$ | [1] |
| 1881 | $E_6 + 2D_4 + 2A_1$ | empty |
| 1882 | $E_6 + D_4 + A_6$ | [1] |
| 1883 | $E_6 + D_4 + A_5 + A_1$ | [1] |
| 1884 | $E_6 + D_4 + A_4 + A_2$ | [1] |
| 1885 | $E_6 + D_4 + A_4 + 2A_1$ | [1] |
| 1886 | $E_6 + D_4 + 2A_3$ | [1] |
| 1887 | $E_6 + D_4 + A_3 + A_2 + A_1$ | [1] |
| 1888 | $E_6 + D_4 + A_3 + 3A_1$ | empty |

Table 1 (rank 16)

| | | |
|------|-------------------------------|----------|
| 1889 | $E_6 + D_4 + 3A_2$ | empty |
| 1890 | $E_6 + D_4 + 2A_2 + 2A_1$ | [1] |
| 1891 | $E_6 + A_{10}$ | [1] |
| 1892 | $E_6 + A_9 + A_1$ | [1] |
| 1893 | $E_6 + A_8 + A_2$ | [1], [3] |
| 1894 | $E_6 + A_8 + 2A_1$ | [1] |
| 1895 | $E_6 + A_7 + A_3$ | [1] |
| 1896 | $E_6 + A_7 + A_2 + A_1$ | [1] |
| 1897 | $E_6 + A_7 + 3A_1$ | [1] |
| 1898 | $E_6 + A_6 + A_4$ | [1] |
| 1899 | $E_6 + A_6 + A_3 + A_1$ | [1] |
| 1900 | $E_6 + A_6 + 2A_2$ | [1] |
| 1901 | $E_6 + A_6 + A_2 + 2A_1$ | [1] |
| 1902 | $E_6 + A_6 + 4A_1$ | [1] |
| 1903 | $E_6 + 2A_5$ | [1], [3] |
| 1904 | $E_6 + A_5 + A_4 + A_1$ | [1] |
| 1905 | $E_6 + A_5 + A_3 + A_2$ | [1] |
| 1906 | $E_6 + A_5 + A_3 + 2A_1$ | [1] |
| 1907 | $E_6 + A_5 + 2A_2 + A_1$ | [1], [3] |
| 1908 | $E_6 + A_5 + A_2 + 3A_1$ | [1] |
| 1909 | $E_6 + A_5 + 5A_1$ | empty |
| 1910 | $E_6 + 2A_4 + A_2$ | [1] |
| 1911 | $E_6 + 2A_4 + 2A_1$ | [1] |
| 1912 | $E_6 + A_4 + 2A_3$ | [1] |
| 1913 | $E_6 + A_4 + A_3 + A_2 + A_1$ | [1] |
| 1914 | $E_6 + A_4 + A_3 + 3A_1$ | [1] |
| 1915 | $E_6 + A_4 + 3A_2$ | [1] |
| 1916 | $E_6 + A_4 + 2A_2 + 2A_1$ | [1] |
| 1917 | $E_6 + A_4 + A_2 + 4A_1$ | [1] |
| 1918 | $E_6 + 3A_3 + A_1$ | [1] |
| 1919 | $E_6 + 2A_3 + 2A_2$ | [1] |
| 1920 | $E_6 + 2A_3 + A_2 + 2A_1$ | [1] |
| 1921 | $E_6 + 2A_3 + 4A_1$ | empty |
| 1922 | $E_6 + A_3 + 3A_2 + A_1$ | [1] |
| 1923 | $E_6 + A_3 + 2A_2 + 3A_1$ | [1] |
| 1924 | $E_6 + 5A_2$ | [3] |
| 1925 | $E_6 + 4A_2 + 2A_1$ | [3] |
| 1926 | D_{16} | [1], [2] |
| 1927 | $D_{15} + A_1$ | [1] |
| 1928 | $D_{14} + A_2$ | [1] |
| 1929 | $D_{14} + 2A_1$ | [1], [2] |
| 1930 | $D_{13} + A_3$ | [1] |
| 1931 | $D_{13} + A_2 + A_1$ | [1] |
| 1932 | $D_{13} + 3A_1$ | [1] |
| 1933 | $D_{12} + D_4$ | [1], [2] |
| 1934 | $D_{12} + A_4$ | [1] |
| 1935 | $D_{12} + A_3 + A_1$ | [1], [2] |
| 1936 | $D_{12} + 2A_2$ | [1] |
| 1937 | $D_{12} + A_2 + 2A_1$ | [1], [2] |
| 1938 | $D_{12} + 4A_1$ | [2] |
| 1939 | $D_{11} + D_5$ | [1] |
| 1940 | $D_{11} + D_4 + A_1$ | [1] |
| 1941 | $D_{11} + A_5$ | [1] |
| 1942 | $D_{11} + A_4 + A_1$ | [1] |
| 1943 | $D_{11} + A_3 + A_2$ | [1] |
| 1944 | $D_{11} + A_3 + 2A_1$ | [1] |
| 1945 | $D_{11} + 2A_2 + A_1$ | [1] |
| 1946 | $D_{11} + A_2 + 3A_1$ | [1] |
| 1947 | $D_{11} + 5A_1$ | empty |
| 1948 | $D_{10} + D_6$ | [1], [2] |
| 1949 | $D_{10} + D_5 + A_1$ | [1], [2] |
| 1950 | $D_{10} + D_4 + A_2$ | [1] |
| 1951 | $D_{10} + D_4 + 2A_1$ | [2] |
| 1952 | $D_{10} + A_6$ | [1] |
| 1953 | $D_{10} + A_5 + A_1$ | [1], [2] |
| 1954 | $D_{10} + A_4 + A_2$ | [1] |
| 1955 | $D_{10} + A_4 + 2A_1$ | [1] |
| 1956 | $D_{10} + 2A_3$ | [1] |
| 1957 | $D_{10} + A_3 + A_2 + A_1$ | [1], [2] |
| 1958 | $D_{10} + A_3 + 3A_1$ | [2] |
| 1959 | $D_{10} + 3A_2$ | [1] |
| 1960 | $D_{10} + 2A_2 + 2A_1$ | [1] |
| 1961 | $D_{10} + A_2 + 4A_1$ | [2] |
| 1962 | $D_{10} + 6A_1$ | [2], [2] |
| 1963 | $D_9 + D_7$ | [1] |
| 1964 | $D_9 + D_6 + A_1$ | [1] |
| 1965 | $D_9 + D_5 + A_2$ | [1] |
| 1966 | $D_9 + D_5 + 2A_1$ | [1] |
| 1967 | $D_9 + D_4 + A_3$ | [1] |
| 1968 | $D_9 + D_4 + A_2 + A_1$ | [1] |
| 1969 | $D_9 + D_4 + 3A_1$ | empty |
| 1970 | $D_9 + A_7$ | [1] |
| 1971 | $D_9 + A_6 + A_1$ | [1] |
| 1972 | $D_9 + A_5 + A_2$ | [1] |
| 1973 | $D_9 + A_5 + 2A_1$ | [1] |
| 1974 | $D_9 + A_4 + A_3$ | [1] |
| 1975 | $D_9 + A_4 + A_2 + A_1$ | [1] |
| 1976 | $D_9 + A_4 + 3A_1$ | [1] |
| 1977 | $D_9 + 2A_3 + A_1$ | [1] |
| 1978 | $D_9 + A_3 + 2A_2$ | [1] |
| 1979 | $D_9 + A_3 + A_2 + 2A_1$ | [1] |
| 1980 | $D_9 + A_3 + 4A_1$ | [2] |
| 1981 | $D_9 + 3A_2 + A_1$ | [1] |
| 1982 | $D_9 + 2A_2 + 3A_1$ | [1] |
| 1983 | $D_9 + A_2 + 5A_1$ | empty |
| 1984 | $2D_8$ | [1], [2] |
| 1985 | $D_8 + D_7 + A_1$ | [1] |
| 1986 | $D_8 + D_6 + A_2$ | [1] |
| 1987 | $D_8 + D_6 + 2A_1$ | [2] |
| 1988 | $D_8 + D_5 + A_3$ | [1], [2] |
| 1989 | $D_8 + D_5 + A_2 + A_1$ | [1] |
| 1990 | $D_8 + D_5 + 3A_1$ | [2] |
| 1991 | $D_8 + 2D_4$ | [2] |
| 1992 | $D_8 + D_4 + A_4$ | [1] |
| 1993 | $D_8 + D_4 + A_3 + A_1$ | [2] |
| 1994 | $D_8 + D_4 + 2A_2$ | empty |
| 1995 | $D_8 + D_4 + A_2 + 2A_1$ | [2] |
| 1996 | $D_8 + D_4 + 4A_1$ | [2], [2] |
| 1997 | $D_8 + A_8$ | [1] |
| 1998 | $D_8 + A_7 + A_1$ | [1], [2] |
| 1999 | $D_8 + A_6 + A_2$ | [1] |
| 2000 | $D_8 + A_6 + 2A_1$ | [1] |
| 2001 | $D_8 + A_5 + A_3$ | [1] |
| 2002 | $D_8 + A_5 + A_2 + A_1$ | [1], [2] |
| 2003 | $D_8 + A_5 + 3A_1$ | [2] |
| 2004 | $D_8 + 2A_4$ | [1] |
| 2005 | $D_8 + A_4 + A_3 + A_1$ | [1] |
| 2006 | $D_8 + A_4 + 2A_2$ | [1] |
| 2007 | $D_8 + A_4 + A_2 + 2A_1$ | [1] |
| 2008 | $D_8 + A_4 + 4A_1$ | [2] |

Table 1 (rank 16)

| | | |
|------|-------------------------------|-----------|
| 2009 | $D_8 + 2A_3 + A_2$ | [2] |
| 2010 | $D_8 + 2A_3 + 2A_1$ | [2] |
| 2011 | $D_8 + A_3 + 2A_2 + A_1$ | [1] |
| 2012 | $D_8 + A_3 + A_2 + 3A_1$ | [2] |
| 2013 | $D_8 + A_3 + 5A_1$ | [2, 2] |
| 2014 | $D_8 + 4A_2$ | [1] |
| 2015 | $D_8 + 3A_2 + 2A_1$ | [1] |
| 2016 | $D_8 + 2A_2 + 4A_1$ | [2] |
| 2017 | $2D_7 + A_2$ | [1] |
| 2018 | $2D_7 + 2A_1$ | [1] |
| 2019 | $D_7 + D_6 + A_3$ | [1] |
| 2020 | $D_7 + D_6 + A_2 + A_1$ | [1] |
| 2021 | $D_7 + D_6 + 3A_1$ | [2] |
| 2022 | $D_7 + D_5 + D_4$ | [1] |
| 2023 | $D_7 + D_5 + A_4$ | [1] |
| 2024 | $D_7 + D_5 + A_3 + A_1$ | [1] |
| 2025 | $D_7 + D_5 + 2A_2$ | [1] |
| 2026 | $D_7 + D_5 + A_2 + 2A_1$ | [1] |
| 2027 | $D_7 + D_5 + 4A_1$ | [2] |
| 2028 | $D_7 + 2D_4 + A_1$ | empty |
| 2029 | $D_7 + D_4 + A_5$ | [1] |
| 2030 | $D_7 + D_4 + A_4 + A_1$ | [1] |
| 2031 | $D_7 + D_4 + A_3 + A_2$ | empty |
| 2032 | $D_7 + D_4 + A_3 + 2A_1$ | [2] |
| 2033 | $D_7 + D_4 + 2A_2 + A_1$ | [1] |
| 2034 | $D_7 + D_4 + A_2 + 3A_1$ | empty |
| 2035 | $D_7 + A_9$ | [1] |
| 2036 | $D_7 + A_8 + A_1$ | [1] |
| 2037 | $D_7 + A_7 + A_2$ | [1] |
| 2038 | $D_7 + A_7 + 2A_1$ | [1, 2] |
| 2039 | $D_7 + A_6 + A_3$ | [1] |
| 2040 | $D_7 + A_6 + A_2 + A_1$ | [1] |
| 2041 | $D_7 + A_6 + 3A_1$ | [1] |
| 2042 | $D_7 + A_5 + A_4$ | [1] |
| 2043 | $D_7 + A_5 + A_3 + A_1$ | [1, 2] |
| 2044 | $D_7 + A_5 + 2A_2$ | [1] |
| 2045 | $D_7 + A_5 + A_2 + 2A_1$ | [1] |
| 2046 | $D_7 + A_5 + 4A_1$ | [2] |
| 2047 | $D_7 + 2A_4 + A_1$ | [1] |
| 2048 | $D_7 + A_4 + A_3 + A_2$ | [1] |
| 2049 | $D_7 + A_4 + A_3 + 2A_1$ | [1] |
| 2050 | $D_7 + A_4 + 2A_2 + A_1$ | [1] |
| 2051 | $D_7 + A_4 + A_2 + 3A_1$ | [1] |
| 2052 | $D_7 + A_4 + 5A_1$ | empty |
| 2053 | $D_7 + 3A_3$ | [4] |
| 2054 | $D_7 + 2A_3 + A_2 + A_1$ | [1] |
| 2055 | $D_7 + 2A_3 + 3A_1$ | [2] |
| 2056 | $D_7 + A_3 + 3A_2$ | [1] |
| 2057 | $D_7 + A_3 + 2A_2 + 2A_1$ | [1] |
| 2058 | $D_7 + A_3 + A_2 + 4A_1$ | [2] |
| 2059 | $D_7 + 4A_2 + A_1$ | empty |
| 2060 | $D_7 + 3A_2 + 3A_1$ | [1] |
| 2061 | $2D_6 + D_4$ | [2] |
| 2062 | $2D_6 + A_4$ | [1] |
| 2063 | $2D_6 + A_3 + A_1$ | [2] |
| 2064 | $2D_6 + 2A_2$ | [1] |
| 2065 | $2D_6 + A_2 + 2A_1$ | [2] |
| 2066 | $2D_6 + 4A_1$ | [2, 2] |
| 2067 | $D_6 + 2D_5$ | [1] |
| 2068 | $D_6 + D_5 + D_4 + A_1$ | [2] |
| 2069 | $D_6 + D_5 + A_5$ | [1, 2] |
| 2070 | $D_6 + D_5 + A_4 + A_1$ | [1] |
| 2071 | $D_6 + D_5 + A_3 + A_2$ | [1] |
| 2072 | $D_6 + D_5 + A_3 + 2A_1$ | [2] |
| 2073 | $D_6 + D_5 + 2A_2 + A_1$ | [1] |
| 2074 | $D_6 + D_5 + A_2 + 3A_1$ | [2] |
| 2075 | $D_6 + 2D_4 + A_2$ | empty |
| 2076 | $D_6 + 2D_4 + 2A_1$ | [2, 2] |
| 2077 | $D_6 + D_4 + A_6$ | [1] |
| 2078 | $D_6 + D_4 + A_5 + A_1$ | [2] |
| 2079 | $D_6 + D_4 + A_4 + A_2$ | [1] |
| 2080 | $D_6 + D_4 + A_4 + 2A_1$ | empty |
| 2081 | $D_6 + D_4 + 2A_3$ | [2] |
| 2082 | $D_6 + D_4 + A_3 + A_2 + A_1$ | [2] |
| 2083 | $D_6 + D_4 + A_3 + 3A_1$ | [2, 2] |
| 2084 | $D_6 + D_4 + 3A_2$ | [1] |
| 2085 | $D_6 + D_4 + 2A_2 + 2A_1$ | empty |
| 2086 | $D_6 + A_{10}$ | [1] |
| 2087 | $D_6 + A_9 + A_1$ | [1, 2] |
| 2088 | $D_6 + A_8 + A_2$ | [1] |
| 2089 | $D_6 + A_8 + 2A_1$ | [1] |
| 2090 | $D_6 + A_7 + A_3$ | [1, 2] |
| 2091 | $D_6 + A_7 + A_2 + A_1$ | [1, 2] |
| 2092 | $D_6 + A_7 + 3A_1$ | [2] |
| 2093 | $D_6 + A_6 + A_4$ | [1] |
| 2094 | $D_6 + A_6 + A_3 + A_1$ | [1] |
| 2095 | $D_6 + A_6 + 2A_2$ | [1] |
| 2096 | $D_6 + A_6 + A_2 + 2A_1$ | [1] |
| 2097 | $D_6 + A_6 + 4A_1$ | empty |
| 2098 | $D_6 + 2A_5$ | [1, 2] |
| 2099 | $D_6 + A_5 + A_4 + A_1$ | [1] |
| 2100 | $D_6 + A_5 + A_3 + A_2$ | [1, 2] |
| 2101 | $D_6 + A_5 + A_3 + 2A_1$ | [2] |
| 2102 | $D_6 + A_5 + 2A_2 + A_1$ | [1] |
| 2103 | $D_6 + A_5 + A_2 + 3A_1$ | [2] |
| 2104 | $D_6 + A_5 + 5A_1$ | [2, 2] |
| 2105 | $D_6 + 2A_4 + A_2$ | [1] |
| 2106 | $D_6 + 2A_4 + 2A_1$ | [1] |
| 2107 | $D_6 + A_4 + 2A_3$ | [1] |
| 2108 | $D_6 + A_4 + A_3 + A_2 + A_1$ | [1] |
| 2109 | $D_6 + A_4 + A_3 + 3A_1$ | [2] |
| 2110 | $D_6 + A_4 + 3A_2$ | [1] |
| 2111 | $D_6 + A_4 + 2A_2 + 2A_1$ | [1] |
| 2112 | $D_6 + A_4 + A_2 + 4A_1$ | empty |
| 2113 | $D_6 + 3A_3 + A_1$ | [2] |
| 2114 | $D_6 + 2A_3 + 2A_2$ | [1] |
| 2115 | $D_6 + 2A_3 + A_2 + 2A_1$ | [2] |
| 2116 | $D_6 + 2A_3 + 4A_1$ | [2, 2] |
| 2117 | $D_6 + A_3 + 3A_2 + A_1$ | [1] |
| 2118 | $D_6 + A_3 + 2A_2 + 3A_1$ | [2] |
| 2119 | $D_6 + 5A_2$ | empty |
| 2120 | $D_6 + 4A_2 + 2A_1$ | [1] |
| 2121 | $3D_5 + A_1$ | [1] |
| 2122 | $2D_5 + D_4 + A_2$ | [1] |
| 2123 | $2D_5 + D_4 + 2A_1$ | [2] |
| 2124 | $2D_5 + A_6$ | [1] |
| 2125 | $2D_5 + A_5 + A_1$ | [1, 2] |
| 2126 | $2D_5 + A_4 + A_2$ | [1] |
| 2127 | $2D_5 + A_4 + 2A_1$ | [1] |
| 2128 | $2D_5 + 2A_3$ | [1, 2, 4] |

Table 1 (rank 16)

| | | | |
|------|--------------------------------|-----------------|--|
| 2129 | $D_5 + A_3 + A_2 + A_1$ | [1] | |
| 2130 | $D_5 + A_3 + 3A_1$ | [2] | |
| 2131 | $2D_5 + 3A_2$ | [1] | |
| 2132 | $2D_5 + 2A_2 + 2A_1$ | [1] | |
| 2133 | $D_5 + 2D_4 + A_3$ | [2] | |
| 2134 | $D_5 + 2D_4 + A_2 + A_1$ | empty | |
| 2135 | $D_5 + D_4 + A_7$ | [1] , [2] | |
| 2136 | $D_5 + D_4 + A_6 + A_1$ | [1] | |
| 2137 | $D_5 + D_4 + A_5 + A_2$ | [1] | |
| 2138 | $D_5 + D_4 + A_5 + 2A_1$ | [2] | |
| 2139 | $D_5 + D_4 + A_4 + A_3$ | [1] | |
| 2140 | $D_5 + D_4 + A_4 + A_2 + A_1$ | [1] | |
| 2141 | $D_5 + D_4 + A_4 + 3A_1$ | empty | |
| 2142 | $D_5 + D_4 + 2A_3 + A_1$ | [2] | |
| 2143 | $D_5 + D_4 + A_3 + 2A_2$ | empty | |
| 2144 | $D_5 + D_4 + A_3 + A_2 + 2A_1$ | [2] | |
| 2145 | $D_5 + D_4 + 3A_2 + A_1$ | [1] | |
| 2146 | $D_5 + A_{11}$ | [1] , [2] | |
| 2147 | $D_5 + A_{10} + A_1$ | [1] | |
| 2148 | $D_5 + A_9 + A_2$ | [1] | |
| 2149 | $D_5 + A_9 + 2A_1$ | [1] , [2] | |
| 2150 | $D_5 + A_8 + A_3$ | [1] | |
| 2151 | $D_5 + A_8 + A_2 + A_1$ | [1] | |
| 2152 | $D_5 + A_8 + 3A_1$ | [1] | |
| 2153 | $D_5 + A_7 + A_4$ | [1] | |
| 2154 | $D_5 + A_7 + A_3 + A_1$ | [1] , [2] , [4] | |
| 2155 | $D_5 + A_7 + 2A_2$ | [1] | |
| 2156 | $D_5 + A_7 + A_2 + 2A_1$ | [1] , [2] | |
| 2157 | $D_5 + A_7 + 4A_1$ | [2] | |
| 2158 | $D_5 + A_6 + A_5$ | [1] | |
| 2159 | $D_5 + A_6 + A_4 + A_1$ | [1] | |
| 2160 | $D_5 + A_6 + A_3 + A_2$ | [1] | |
| 2161 | $D_5 + A_6 + A_3 + 2A_1$ | [1] | |
| 2162 | $D_5 + A_6 + 2A_2 + A_1$ | [1] | |
| 2163 | $D_5 + A_6 + A_2 + 3A_1$ | [1] | |
| 2164 | $D_5 + A_6 + 5A_1$ | empty | |
| 2165 | $D_5 + 2A_5 + A_1$ | [1] , [2] | |
| 2166 | $D_5 + A_5 + A_4 + A_2$ | [1] | |
| 2167 | $D_5 + A_5 + A_4 + 2A_1$ | [1] | |
| 2168 | $D_5 + A_5 + 2A_3$ | [1] | |
| 2169 | $D_5 + A_5 + A_3 + A_2 + A_1$ | [1] , [2] | |
| 2170 | $D_5 + A_5 + A_3 + 3A_1$ | [2] | |
| 2171 | $D_5 + A_5 + 3A_2$ | [1] | |
| 2172 | $D_5 + A_5 + 2A_2 + 2A_1$ | [1] | |
| 2173 | $D_5 + A_5 + A_2 + 4A_1$ | [2] | |
| 2174 | $D_5 + 2A_4 + A_3$ | [1] | |
| 2175 | $D_5 + 2A_4 + A_2 + A_1$ | [1] | |
| 2176 | $D_5 + 2A_4 + 3A_1$ | [1] | |
| 2177 | $D_5 + A_4 + 2A_3 + A_1$ | [1] | |
| 2178 | $D_5 + A_4 + A_3 + 2A_2$ | [1] | |
| 2179 | $D_5 + A_4 + A_3 + A_2 + 2A_1$ | [1] | |
| 2180 | $D_5 + A_4 + A_3 + 4A_1$ | [2] | |
| 2181 | $D_5 + A_4 + 3A_2 + A_1$ | [1] | |
| 2182 | $D_5 + A_4 + 2A_2 + 3A_1$ | [1] | |
| 2183 | $D_5 + 3A_3 + A_2$ | [2] | |
| 2184 | $D_5 + 3A_3 + 2A_1$ | [2] , [4] | |
| 2185 | $D_5 + 2A_3 + 2A_2 + A_1$ | [1] | |
| 2186 | $D_5 + 2A_3 + A_2 + 3A_1$ | [2] | |
| 2187 | $D_5 + A_3 + 4A_2$ | [1] | |
| 2188 | $D_5 + A_3 + 3A_2 + 2A_1$ | [1] | |
| 2189 | $D_5 + 5A_2 + A_1$ | empty | |
| 2190 | $4D_4$ | [2, 2] | |
| 2191 | $3D_4 + A_4$ | empty | |
| 2192 | $3D_4 + A_3 + A_1$ | empty | |
| 2193 | $3D_4 + 2A_2$ | empty | |
| 2194 | $2D_4 + A_8$ | [1] | |
| 2195 | $2D_4 + A_7 + A_1$ | [2] | |
| 2196 | $2D_4 + A_6 + A_2$ | empty | |
| 2197 | $2D_4 + A_6 + 2A_1$ | empty | |
| 2198 | $2D_4 + A_5 + A_3$ | empty | |
| 2199 | $2D_4 + A_5 + A_2 + A_1$ | [2] | |
| 2200 | $2D_4 + A_5 + 3A_1$ | empty | |
| 2201 | $2D_4 + 2A_4$ | [1] | |
| 2202 | $2D_4 + A_4 + A_3 + A_1$ | empty | |
| 2203 | $2D_4 + A_4 + 2A_2$ | empty | |
| 2204 | $2D_4 + A_4 + A_2 + 2A_1$ | empty | |
| 2205 | $2D_4 + 2A_3 + A_2$ | empty | |
| 2206 | $2D_4 + 2A_3 + 2A_1$ | [2, 2] | |
| 2207 | $2D_4 + A_3 + 2A_2 + A_1$ | empty | |
| 2208 | $2D_4 + 4A_2$ | [1] | |
| 2209 | $D_4 + A_{12}$ | [1] | |
| 2210 | $D_4 + A_{11} + A_1$ | [1] , [2] | |
| 2211 | $D_4 + A_{10} + A_2$ | [1] | |
| 2212 | $D_4 + A_{10} + 2A_1$ | [1] | |
| 2213 | $D_4 + A_9 + A_3$ | [1] | |
| 2214 | $D_4 + A_9 + A_2 + A_1$ | [1] , [2] | |
| 2215 | $D_4 + A_9 + 3A_1$ | [2] | |
| 2216 | $D_4 + A_8 + A_4$ | [1] | |
| 2217 | $D_4 + A_8 + A_3 + A_1$ | [1] | |
| 2218 | $D_4 + A_8 + 2A_2$ | [1] | |
| 2219 | $D_4 + A_8 + A_2 + 2A_1$ | [1] | |
| 2220 | $D_4 + A_8 + 4A_1$ | empty | |
| 2221 | $D_4 + A_7 + A_5$ | [1] | |
| 2222 | $D_4 + A_7 + A_4 + A_1$ | [1] | |
| 2223 | $D_4 + A_7 + A_3 + A_2$ | [2] | |
| 2224 | $D_4 + A_7 + A_3 + 2A_1$ | [2] | |
| 2225 | $D_4 + A_7 + 2A_2 + A_1$ | [1] | |
| 2226 | $D_4 + A_7 + A_2 + 3A_1$ | [2] | |
| 2227 | $D_4 + A_7 + 5A_1$ | empty | |
| 2228 | $D_4 + 2A_6$ | [1] | |
| 2229 | $D_4 + A_6 + A_5 + A_1$ | [1] | |
| 2230 | $D_4 + A_6 + A_4 + A_2$ | [1] | |
| 2231 | $D_4 + A_6 + A_4 + 2A_1$ | [1] | |
| 2232 | $D_4 + A_6 + 2A_3$ | empty | |
| 2233 | $D_4 + A_6 + A_3 + A_2 + A_1$ | [1] | |
| 2234 | $D_4 + A_6 + A_3 + 3A_1$ | empty | |
| 2235 | $D_4 + A_6 + 3A_2$ | [1] | |
| 2236 | $D_4 + A_6 + 2A_2 + 2A_1$ | [1] | |
| 2237 | $D_4 + A_6 + A_2 + 4A_1$ | empty | |
| 2238 | $D_4 + 2A_5 + A_2$ | [1] , [2] | |
| 2239 | $D_4 + 2A_5 + 2A_1$ | [2] | |
| 2240 | $D_4 + A_5 + A_4 + A_3$ | [1] | |
| 2241 | $D_4 + A_5 + A_4 + A_2 + A_1$ | [1] | |
| 2242 | $D_4 + A_5 + A_4 + 3A_1$ | [2] | |
| 2243 | $D_4 + A_5 + 2A_3 + A_1$ | [2] | |
| 2244 | $D_4 + A_5 + A_3 + 2A_2$ | [1] | |
| 2245 | $D_4 + A_5 + A_3 + A_2 + 2A_1$ | [2] | |
| 2246 | $D_4 + A_5 + A_3 + 4A_1$ | [2, 2] | |
| 2247 | $D_4 + A_5 + 3A_2 + A_1$ | empty | |
| 2248 | $D_4 + A_5 + 2A_2 + 3A_1$ | [2] | |

Table 1 (rank 16)

| | | | |
|------|--------------------------------|---------------|--|
| 2249 | $D_4 + 3A_4$ | [1] | |
| 2250 | $D_4 + 2A_4 + A_3 + A_1$ | [1] | |
| 2251 | $D_4 + 2A_4 + 2A_2$ | [1] | |
| 2252 | $D_4 + 2A_4 + A_2 + 2A_1$ | [1] | |
| 2253 | $D_4 + 2A_4 + 4A_1$ | empty | |
| 2254 | $D_4 + A_4 + 2A_3 + A_2$ | empty | |
| 2255 | $D_4 + A_4 + 2A_3 + 2A_1$ | [2] | |
| 2256 | $D_4 + A_4 + A_3 + 2A_2 + A_1$ | [1] | |
| 2257 | $D_4 + A_4 + A_3 + A_2 + 3A_1$ | empty | |
| 2258 | $D_4 + A_4 + 4A_2$ | empty | |
| 2259 | $D_4 + A_4 + 3A_2 + 2A_1$ | [1] | |
| 2260 | $D_4 + 4A_3$ | empty | |
| 2261 | $D_4 + 3A_3 + A_2 + A_1$ | [2] | |
| 2262 | $D_4 + 3A_3 + 3A_1$ | [2, 2] | |
| 2263 | $D_4 + 2A_3 + 3A_2$ | [1] | |
| 2264 | $D_4 + 2A_3 + 2A_2 + 2A_1$ | [2] | |
| 2265 | $D_4 + A_3 + 4A_2 + A_1$ | empty | |
| 2266 | $D_4 + 6A_2$ | empty | |
| 2267 | A_{16} | [1] | |
| 2268 | $A_{15} + A_1$ | [1], [2] | |
| 2269 | $A_{14} + A_2$ | [1], [3] | |
| 2270 | $A_{14} + 2A_1$ | [1] | |
| 2271 | $A_{13} + A_3$ | [1] | |
| 2272 | $A_{13} + A_2 + A_1$ | [1], [2] | |
| 2273 | $A_{13} + 3A_1$ | [1], [2] | |
| 2274 | $A_{12} + A_4$ | [1] | |
| 2275 | $A_{12} + A_3 + A_1$ | [1] | |
| 2276 | $A_{12} + 2A_2$ | [1] | |
| 2277 | $A_{12} + A_2 + 2A_1$ | [1] | |
| 2278 | $A_{12} + 4A_1$ | [1] | |
| 2279 | $A_{11} + A_5$ | [1], [3] | |
| 2280 | $A_{11} + A_4 + A_1$ | [1] | |
| 2281 | $A_{11} + A_3 + A_2$ | [1], [2] | |
| 2282 | $A_{11} + A_3 + 2A_1$ | [1], [2], [4] | |
| 2283 | $A_{11} + 2A_2 + A_1$ | [1], [3] | |
| 2284 | $A_{11} + A_2 + 3A_1$ | [1], [2] | |
| 2285 | $A_{11} + 5A_1$ | [2] | |
| 2286 | $A_{10} + A_6$ | [1] | |
| 2287 | $A_{10} + A_5 + A_1$ | [1] | |
| 2288 | $A_{10} + A_4 + A_2$ | [1] | |
| 2289 | $A_{10} + A_4 + 2A_1$ | [1] | |
| 2290 | $A_{10} + 2A_3$ | [1] | |
| 2291 | $A_{10} + A_3 + A_2 + A_1$ | [1] | |
| 2292 | $A_{10} + A_3 + 3A_1$ | [1] | |
| 2293 | $A_{10} + 3A_2$ | [1] | |
| 2294 | $A_{10} + 2A_2 + 2A_1$ | [1] | |
| 2295 | $A_{10} + A_2 + 4A_1$ | [1] | |
| 2296 | $A_{10} + 6A_1$ | empty | |
| 2297 | $A_9 + A_7$ | [1] | |
| 2298 | $A_9 + A_6 + A_1$ | [1] | |
| 2299 | $A_9 + A_5 + A_2$ | [1], [2] | |
| 2300 | $A_9 + A_5 + 2A_1$ | [1], [2] | |
| 2301 | $A_9 + A_4 + A_3$ | [1] | |
| 2302 | $A_9 + A_4 + A_2 + A_1$ | [1] | |
| 2303 | $A_9 + A_4 + 3A_1$ | [1], [2] | |
| 2304 | $A_9 + 2A_3 + A_1$ | [1], [2] | |
| 2305 | $A_9 + A_3 + 2A_2$ | [1] | |
| 2306 | $A_9 + A_3 + A_2 + 2A_1$ | [1], [2] | |
| 2307 | $A_9 + A_3 + 4A_1$ | [2] | |
| 2308 | $A_9 + 3A_2 + A_1$ | [1] | |
| 2309 | $A_9 + 2A_2 + 3A_1$ | [1], [2] | |
| 2310 | $A_9 + A_2 + 5A_1$ | [2] | |
| 2311 | $A_9 + 7A_1$ | empty | |
| 2312 | $2A_8$ | [1], [3] | |
| 2313 | $A_8 + A_7 + A_1$ | [1] | |
| 2314 | $A_8 + A_6 + A_2$ | [1] | |
| 2315 | $A_8 + A_6 + 2A_1$ | [1] | |
| 2316 | $A_8 + A_5 + A_3$ | [1] | |
| 2317 | $A_8 + A_5 + A_2 + A_1$ | [1], [3] | |
| 2318 | $A_8 + A_5 + 3A_1$ | [1] | |
| 2319 | $A_8 + 2A_4$ | [1] | |
| 2320 | $A_8 + A_4 + A_3 + A_1$ | [1] | |
| 2321 | $A_8 + A_4 + 2A_2$ | [1] | |
| 2322 | $A_8 + A_4 + A_2 + 2A_1$ | [1] | |
| 2323 | $A_8 + A_4 + 4A_1$ | [1] | |
| 2324 | $A_8 + 2A_3 + A_2$ | [1] | |
| 2325 | $A_8 + 2A_3 + 2A_1$ | [1] | |
| 2326 | $A_8 + A_3 + 2A_2 + A_1$ | [1] | |
| 2327 | $A_8 + A_3 + A_2 + 3A_1$ | [1] | |
| 2328 | $A_8 + A_3 + 5A_1$ | empty | |
| 2329 | $A_8 + 4A_2$ | [3] | |
| 2330 | $A_8 + 3A_2 + 2A_1$ | [1], [3] | |
| 2331 | $A_8 + 2A_2 + 4A_1$ | [1] | |
| 2332 | $A_8 + A_2 + 6A_1$ | empty | |
| 2333 | $2A_7 + A_2$ | [1], [2] | |
| 2334 | $2A_7 + 2A_1$ | [1], [2], [4] | |
| 2335 | $A_7 + A_6 + A_3$ | [1] | |
| 2336 | $A_7 + A_6 + A_2 + A_1$ | [1] | |
| 2337 | $A_7 + A_6 + 3A_1$ | [1] | |
| 2338 | $A_7 + A_5 + A_4$ | [1] | |
| 2339 | $A_7 + A_5 + A_3 + A_1$ | [1], [2] | |
| 2340 | $A_7 + A_5 + 2A_2$ | [1] | |
| 2341 | $A_7 + A_5 + A_2 + 2A_1$ | [1], [2] | |
| 2342 | $A_7 + A_5 + 4A_1$ | [2] | |
| 2343 | $A_7 + 2A_4 + A_1$ | [1] | |
| 2344 | $A_7 + A_4 + A_3 + A_2$ | [1] | |
| 2345 | $A_7 + A_4 + A_3 + 2A_1$ | [1], [2] | |
| 2346 | $A_7 + A_4 + 2A_2 + A_1$ | [1] | |
| 2347 | $A_7 + A_4 + A_2 + 3A_1$ | [1] | |
| 2348 | $A_7 + A_4 + 5A_1$ | [2] | |
| 2349 | $A_7 + 3A_3$ | [4] | |
| 2350 | $A_7 + 2A_3 + A_2 + A_1$ | [1], [2] | |
| 2351 | $A_7 + 2A_3 + 3A_1$ | [2], [4] | |
| 2352 | $A_7 + A_3 + 3A_2$ | [1] | |
| 2353 | $A_7 + A_3 + 2A_2 + 2A_1$ | [1], [2] | |
| 2354 | $A_7 + A_3 + A_2 + 4A_1$ | [2] | |
| 2355 | $A_7 + A_3 + 6A_1$ | [2, 2] | |
| 2356 | $A_7 + 4A_2 + A_1$ | [1] | |
| 2357 | $A_7 + 3A_2 + 3A_1$ | [1] | |
| 2358 | $A_7 + 2A_2 + 5A_1$ | [2] | |
| 2359 | $2A_6 + A_4$ | [1] | |
| 2360 | $2A_6 + A_3 + A_1$ | [1] | |
| 2361 | $2A_6 + 2A_2$ | [1] | |
| 2362 | $2A_6 + A_2 + 2A_1$ | [1] | |
| 2363 | $2A_6 + 4A_1$ | [1] | |
| 2364 | $A_6 + 2A_5$ | [1] | |
| 2365 | $A_6 + A_5 + A_4 + A_1$ | [1] | |
| 2366 | $A_6 + A_5 + A_3 + A_2$ | [1] | |
| 2367 | $A_6 + A_5 + A_3 + 2A_1$ | [1] | |
| 2368 | $A_6 + A_5 + 2A_2 + A_1$ | [1] | |

Table 1 (rank 16 - rank 17)

| | | |
|------|--------------------------------|-----------------------|
| 2369 | $A_6 + A_5 + A_2 + 3A_1$ | [1] |
| 2370 | $A_6 + A_5 + 5A_1$ | [2] |
| 2371 | $A_6 + 2A_4 + A_2$ | [1] |
| 2372 | $A_6 + 2A_4 + 2A_1$ | [1] |
| 2373 | $A_6 + A_4 + 2A_3$ | [1] |
| 2374 | $A_6 + A_4 + A_3 + A_2 + A_1$ | [1] |
| 2375 | $A_6 + A_4 + A_3 + 3A_1$ | [1] |
| 2376 | $A_6 + A_4 + 3A_2$ | [1] |
| 2377 | $A_6 + A_4 + 2A_2 + 2A_1$ | [1] |
| 2378 | $A_6 + A_4 + A_2 + 4A_1$ | [1] |
| 2379 | $A_6 + A_4 + 6A_1$ | empty |
| 2380 | $A_6 + 3A_3 + A_1$ | [1] |
| 2381 | $A_6 + 2A_3 + 2A_2$ | [1] |
| 2382 | $A_6 + 2A_3 + A_2 + 2A_1$ | [1] |
| 2383 | $A_6 + 2A_3 + 4A_1$ | [2] |
| 2384 | $A_6 + A_3 + 3A_2 + A_1$ | [1] |
| 2385 | $A_6 + A_3 + 2A_2 + 3A_1$ | [1] |
| 2386 | $A_6 + A_3 + A_2 + 5A_1$ | empty |
| 2387 | $A_6 + 5A_2$ | empty |
| 2388 | $A_6 + 4A_2 + 2A_1$ | [1] |
| 2389 | $A_6 + 3A_2 + 4A_1$ | [1] |
| 2390 | $3A_5 + A_1$ | [1] , [3] |
| 2391 | $2A_5 + A_4 + A_2$ | [1] |
| 2392 | $2A_5 + A_4 + 2A_1$ | [1] , [2] |
| 2393 | $2A_5 + 2A_3$ | [1] , [2] |
| 2394 | $2A_5 + A_3 + A_2 + A_1$ | [1] , [2] |
| 2395 | $2A_5 + A_3 + 3A_1$ | [2] |
| 2396 | $2A_5 + 3A_2$ | [3] |
| 2397 | $2A_5 + 2A_2 + 2A_1$ | [1] , [2] , [3] , [6] |
| 2398 | $2A_5 + A_2 + 4A_1$ | [2] |
| 2399 | $2A_5 + 6A_1$ | [2, 2] |
| 2400 | $A_5 + 2A_4 + A_3$ | [1] |
| 2401 | $A_5 + 2A_4 + A_2 + A_1$ | [1] |
| 2402 | $A_5 + 2A_4 + 3A_1$ | [1] |
| 2403 | $A_5 + A_4 + 2A_3 + A_1$ | [1] , [2] |
| 2404 | $A_5 + A_4 + A_3 + 2A_2$ | [1] |
| 2405 | $A_5 + A_4 + A_3 + A_2 + 2A_1$ | [1] |
| 2406 | $A_5 + A_4 + A_3 + 4A_1$ | [2] |
| 2407 | $A_5 + A_4 + 3A_2 + A_1$ | [1] |
| 2408 | $A_5 + A_4 + 2A_2 + 3A_1$ | [1] |
| 2409 | $A_5 + A_4 + A_2 + 5A_1$ | [2] |
| 2410 | $A_5 + 3A_3 + A_2$ | [1] |
| 2411 | $A_5 + 3A_3 + 2A_1$ | [2] |
| 2412 | $A_5 + 2A_3 + 2A_2 + A_1$ | [1] , [2] |
| 2413 | $A_5 + 2A_3 + A_2 + 3A_1$ | [2] |
| 2414 | $A_5 + 2A_3 + 5A_1$ | [2, 2] |
| 2415 | $A_5 + A_3 + 4A_2$ | [3] |
| 2416 | $A_5 + A_3 + 3A_2 + 2A_1$ | [1] |
| 2417 | $A_5 + A_3 + 2A_2 + 4A_1$ | [2] |
| 2418 | $A_5 + 5A_2 + A_1$ | [3] |
| 2419 | $A_5 + 4A_2 + 3A_1$ | [3] |
| 2420 | $4A_4$ | [1] , [5] |
| 2421 | $3A_4 + A_3 + A_1$ | [1] |
| 2422 | $3A_4 + 2A_2$ | [1] |
| 2423 | $3A_4 + A_2 + 2A_1$ | [1] |
| 2424 | $3A_4 + 4A_1$ | [1] |
| 2425 | $2A_4 + 2A_3 + A_2$ | [1] |
| 2426 | $2A_4 + 2A_3 + 2A_1$ | [1] |
| 2427 | $2A_4 + A_3 + 2A_2 + A_1$ | [1] |
| 2428 | $2A_4 + A_3 + A_2 + 3A_1$ | [1] |
| 2429 | $2A_4 + A_3 + 5A_1$ | empty |
| 2430 | $2A_4 + 4A_2$ | [1] |
| 2431 | $2A_4 + 3A_2 + 2A_1$ | [1] |
| 2432 | $2A_4 + 2A_2 + 4A_1$ | [1] |
| 2433 | $A_4 + 4A_3$ | empty |
| 2434 | $A_4 + 3A_3 + A_2 + A_1$ | [1] |
| 2435 | $A_4 + 3A_3 + 3A_1$ | [2] |
| 2436 | $A_4 + 2A_3 + 3A_2$ | [1] |
| 2437 | $A_4 + 2A_3 + 2A_2 + 2A_1$ | [1] |
| 2438 | $A_4 + 2A_3 + A_2 + 4A_1$ | [2] |
| 2439 | $A_4 + A_3 + 4A_2 + A_1$ | [1] |
| 2440 | $A_4 + A_3 + 3A_2 + 3A_1$ | [1] |
| 2441 | $A_4 + 6A_2$ | [3] |
| 2442 | $A_4 + 5A_2 + 2A_1$ | empty |
| 2443 | $5A_3 + A_1$ | [4] |
| 2444 | $4A_3 + 2A_2$ | [1] , [2] |
| 2445 | $4A_3 + A_2 + 2A_1$ | [2] , [4] |
| 2446 | $4A_3 + 4A_1$ | [2, 2] , [4, 2] |
| 2447 | $3A_3 + 3A_2 + A_1$ | [1] |
| 2448 | $3A_3 + 2A_2 + 3A_1$ | [2] |
| 2449 | $2A_3 + 5A_2$ | empty |
| 2450 | $2A_3 + 4A_2 + 2A_1$ | [1] |
| 2451 | $A_3 + 6A_2 + A_1$ | [3] |
| 2452 | $8A_2$ | [3, 3] |

rank 17

| | | |
|------|--------------------------|-------|
| 2453 | $2E_8 + A_1$ | [1] |
| 2454 | $E_8 + E_7 + A_2$ | [1] |
| 2455 | $E_8 + E_7 + 2A_1$ | [1] |
| 2456 | $E_8 + E_6 + A_3$ | [1] |
| 2457 | $E_8 + E_6 + A_2 + A_1$ | [1] |
| 2458 | $E_8 + E_6 + 3A_1$ | [1] |
| 2459 | $E_8 + D_9$ | [1] |
| 2460 | $E_8 + D_8 + A_1$ | [1] |
| 2461 | $E_8 + D_7 + A_2$ | [1] |
| 2462 | $E_8 + D_7 + 2A_1$ | [1] |
| 2463 | $E_8 + D_6 + A_3$ | [1] |
| 2464 | $E_8 + D_6 + A_2 + A_1$ | [1] |
| 2465 | $E_8 + D_6 + 3A_1$ | empty |
| 2466 | $E_8 + D_5 + D_4$ | [1] |
| 2467 | $E_8 + D_5 + A_4$ | [1] |
| 2468 | $E_8 + D_5 + A_3 + A_1$ | [1] |
| 2469 | $E_8 + D_5 + 2A_2$ | [1] |
| 2470 | $E_8 + D_5 + A_2 + 2A_1$ | [1] |
| 2471 | $E_8 + 2D_4 + A_1$ | empty |
| 2472 | $E_8 + D_4 + A_5$ | [1] |
| 2473 | $E_8 + D_4 + A_4 + A_1$ | [1] |
| 2474 | $E_8 + D_4 + A_3 + A_2$ | empty |
| 2475 | $E_8 + D_4 + A_3 + 2A_1$ | empty |
| 2476 | $E_8 + D_4 + 2A_2 + A_1$ | [1] |
| 2477 | $E_8 + A_9$ | [1] |
| 2478 | $E_8 + A_8 + A_1$ | [1] |
| 2479 | $E_8 + A_7 + A_2$ | [1] |
| 2480 | $E_8 + A_7 + 2A_1$ | [1] |
| 2481 | $E_8 + A_6 + A_3$ | [1] |
| 2482 | $E_8 + A_6 + A_2 + A_1$ | [1] |
| 2483 | $E_8 + A_6 + 3A_1$ | [1] |
| 2484 | $E_8 + A_5 + A_4$ | [1] |
| 2485 | $E_8 + A_5 + A_3 + A_1$ | [1] |
| 2486 | $E_8 + A_5 + 2A_2$ | [1] |

Table 1 (rank 17)

| | | |
|------|-------------------------------|-----------|
| 2487 | $E_8 + A_5 + A_2 + 2A_1$ | [1] |
| 2488 | $E_8 + A_5 + 4A_1$ | empty |
| 2489 | $E_8 + 2A_4 + A_1$ | [1] |
| 2490 | $E_8 + A_4 + A_3 + A_2$ | [1] |
| 2491 | $E_8 + A_4 + A_3 + 2A_1$ | [1] |
| 2492 | $E_8 + A_4 + 2A_2 + A_1$ | [1] |
| 2493 | $E_8 + A_4 + A_2 + 3A_1$ | [1] |
| 2494 | $E_8 + 3A_3$ | empty |
| 2495 | $E_8 + 2A_3 + A_2 + A_1$ | [1] |
| 2496 | $E_8 + 2A_3 + 3A_1$ | empty |
| 2497 | $E_8 + A_3 + 3A_2$ | [1] |
| 2498 | $E_8 + A_3 + 2A_2 + 2A_1$ | [1] |
| 2499 | $E_8 + 4A_2 + A_1$ | empty |
| 2500 | $2E_7 + A_3$ | [1] , [2] |
| 2501 | $2E_7 + A_2 + A_1$ | [1] |
| 2502 | $2E_7 + 3A_1$ | [2] |
| 2503 | $E_7 + E_6 + D_4$ | [1] |
| 2504 | $E_7 + E_6 + A_4$ | [1] |
| 2505 | $E_7 + E_6 + A_3 + A_1$ | [1] |
| 2506 | $E_7 + E_6 + 2A_2$ | [1] |
| 2507 | $E_7 + E_6 + A_2 + 2A_1$ | [1] |
| 2508 | $E_7 + D_{10}$ | [1] , [2] |
| 2509 | $E_7 + D_9 + A_1$ | [1] |
| 2510 | $E_7 + D_8 + A_2$ | [1] |
| 2511 | $E_7 + D_8 + 2A_1$ | [2] |
| 2512 | $E_7 + D_7 + A_3$ | [1] |
| 2513 | $E_7 + D_7 + A_2 + A_1$ | [1] |
| 2514 | $E_7 + D_7 + 3A_1$ | [2] |
| 2515 | $E_7 + D_6 + D_4$ | [2] |
| 2516 | $E_7 + D_6 + A_4$ | [1] |
| 2517 | $E_7 + D_6 + A_3 + A_1$ | [2] |
| 2518 | $E_7 + D_6 + 2A_2$ | [1] |
| 2519 | $E_7 + D_6 + A_2 + 2A_1$ | [2] |
| 2520 | $E_7 + 2D_5$ | [1] |
| 2521 | $E_7 + D_5 + D_4 + A_1$ | [2] |
| 2522 | $E_7 + D_5 + A_5$ | [1] , [2] |
| 2523 | $E_7 + D_5 + A_4 + A_1$ | [1] |
| 2524 | $E_7 + D_5 + A_3 + A_2$ | [1] |
| 2525 | $E_7 + D_5 + A_3 + 2A_1$ | [2] |
| 2526 | $E_7 + D_5 + 2A_2 + A_1$ | [1] |
| 2527 | $E_7 + 2D_4 + A_2$ | empty |
| 2528 | $E_7 + D_4 + A_6$ | [1] |
| 2529 | $E_7 + D_4 + A_5 + A_1$ | [2] |
| 2530 | $E_7 + D_4 + A_4 + A_2$ | [1] |
| 2531 | $E_7 + D_4 + A_4 + 2A_1$ | empty |
| 2532 | $E_7 + D_4 + 2A_3$ | empty |
| 2533 | $E_7 + D_4 + A_3 + A_2 + A_1$ | [2] |
| 2534 | $E_7 + D_4 + 3A_2$ | empty |
| 2535 | $E_7 + A_{10}$ | [1] |
| 2536 | $E_7 + A_9 + A_1$ | [1] , [2] |
| 2537 | $E_7 + A_8 + A_2$ | [1] |
| 2538 | $E_7 + A_8 + 2A_1$ | [1] |
| 2539 | $E_7 + A_7 + A_3$ | [1] |
| 2540 | $E_7 + A_7 + A_2 + A_1$ | [1] , [2] |
| 2541 | $E_7 + A_7 + 3A_1$ | [2] |
| 2542 | $E_7 + A_6 + A_4$ | [1] |
| 2543 | $E_7 + A_6 + A_3 + A_1$ | [1] |
| 2544 | $E_7 + A_6 + 2A_2$ | [1] |
| 2545 | $E_7 + A_6 + A_2 + 2A_1$ | [1] |
| 2546 | $E_7 + A_6 + 4A_1$ | empty |
| 2547 | $E_7 + 2A_5$ | [1] |
| 2548 | $E_7 + A_5 + A_4 + A_1$ | [1] |
| 2549 | $E_7 + A_5 + A_3 + A_2$ | [1] , [2] |
| 2550 | $E_7 + A_5 + A_3 + 2A_1$ | [2] |
| 2551 | $E_7 + A_5 + 2A_2 + A_1$ | [1] |
| 2552 | $E_7 + A_5 + A_2 + 3A_1$ | [2] |
| 2553 | $E_7 + 2A_4 + A_2$ | [1] |
| 2554 | $E_7 + 2A_4 + 2A_1$ | [1] |
| 2555 | $E_7 + A_4 + 2A_3$ | [1] |
| 2556 | $E_7 + A_4 + A_3 + A_2 + A_1$ | [1] |
| 2557 | $E_7 + A_4 + A_3 + 3A_1$ | [2] |
| 2558 | $E_7 + A_4 + 3A_2$ | [1] |
| 2559 | $E_7 + A_4 + 2A_2 + 2A_1$ | [1] |
| 2560 | $E_7 + 3A_3 + A_1$ | [2] |
| 2561 | $E_7 + 2A_3 + 2A_2$ | [1] |
| 2562 | $E_7 + 2A_3 + A_2 + 2A_1$ | [2] |
| 2563 | $E_7 + A_3 + 3A_2 + A_1$ | [1] |
| 2564 | $E_7 + 5A_2$ | empty |
| 2565 | $2E_6 + D_5$ | [1] |
| 2566 | $2E_6 + D_4 + A_1$ | [1] |
| 2567 | $2E_6 + A_5$ | [1] , [3] |
| 2568 | $2E_6 + A_4 + A_1$ | [1] |
| 2569 | $2E_6 + A_3 + A_2$ | [1] |
| 2570 | $2E_6 + A_3 + 2A_1$ | [1] |
| 2571 | $2E_6 + 2A_2 + A_1$ | [3] |
| 2572 | $E_6 + D_{11}$ | [1] |
| 2573 | $E_6 + D_{10} + A_1$ | [1] |
| 2574 | $E_6 + D_9 + A_2$ | [1] |
| 2575 | $E_6 + D_9 + 2A_1$ | [1] |
| 2576 | $E_6 + D_8 + A_3$ | [1] |
| 2577 | $E_6 + D_8 + A_2 + A_1$ | [1] |
| 2578 | $E_6 + D_8 + 3A_1$ | empty |
| 2579 | $E_6 + D_7 + D_4$ | [1] |
| 2580 | $E_6 + D_7 + A_4$ | [1] |
| 2581 | $E_6 + D_7 + A_3 + A_1$ | [1] |
| 2582 | $E_6 + D_7 + 2A_2$ | empty |
| 2583 | $E_6 + D_7 + A_2 + 2A_1$ | [1] |
| 2584 | $E_6 + D_6 + D_5$ | [1] |
| 2585 | $E_6 + D_6 + D_4 + A_1$ | empty |
| 2586 | $E_6 + D_6 + A_5$ | [1] |
| 2587 | $E_6 + D_6 + A_4 + A_1$ | [1] |
| 2588 | $E_6 + D_6 + A_3 + A_2$ | [1] |
| 2589 | $E_6 + D_6 + A_3 + 2A_1$ | empty |
| 2590 | $E_6 + D_6 + 2A_2 + A_1$ | [1] |
| 2591 | $E_6 + 2D_5 + A_1$ | [1] |
| 2592 | $E_6 + D_5 + D_4 + A_2$ | [1] |
| 2593 | $E_6 + D_5 + A_6$ | [1] |
| 2594 | $E_6 + D_5 + A_5 + A_1$ | [1] |
| 2595 | $E_6 + D_5 + A_4 + A_2$ | [1] |
| 2596 | $E_6 + D_5 + A_4 + 2A_1$ | [1] |
| 2597 | $E_6 + D_5 + 2A_3$ | [1] |
| 2598 | $E_6 + D_5 + A_3 + A_2 + A_1$ | [1] |
| 2599 | $E_6 + D_5 + 3A_2$ | empty |
| 2600 | $E_6 + 2D_4 + A_3$ | empty |
| 2601 | $E_6 + D_4 + A_7$ | [1] |
| 2602 | $E_6 + D_4 + A_6 + A_1$ | [1] |
| 2603 | $E_6 + D_4 + A_5 + A_2$ | empty |
| 2604 | $E_6 + D_4 + A_5 + 2A_1$ | empty |
| 2605 | $E_6 + D_4 + A_4 + A_3$ | [1] |
| 2606 | $E_6 + D_4 + A_4 + A_2 + A_1$ | [1] |

Table 1 (rank 17)

| | | |
|------|--------------------------------|-----------|
| 2607 | $E_6 + D_4 + 2A_3 + A_1$ | empty |
| 2608 | $E_6 + D_4 + A_3 + 2A_2$ | empty |
| 2609 | $E_6 + A_{11}$ | [1] , [3] |
| 2610 | $E_6 + A_{10} + A_1$ | [1] |
| 2611 | $E_6 + A_9 + A_2$ | [1] |
| 2612 | $E_6 + A_9 + 2A_1$ | [1] |
| 2613 | $E_6 + A_8 + A_3$ | [1] |
| 2614 | $E_6 + A_8 + A_2 + A_1$ | [1] , [3] |
| 2615 | $E_6 + A_8 + 3A_1$ | [1] |
| 2616 | $E_6 + A_7 + A_4$ | [1] |
| 2617 | $E_6 + A_7 + A_3 + A_1$ | [1] |
| 2618 | $E_6 + A_7 + 2A_2$ | [1] |
| 2619 | $E_6 + A_7 + A_2 + 2A_1$ | [1] |
| 2620 | $E_6 + A_7 + 4A_1$ | empty |
| 2621 | $E_6 + A_6 + A_5$ | [1] |
| 2622 | $E_6 + A_6 + A_4 + A_1$ | [1] |
| 2623 | $E_6 + A_6 + A_3 + A_2$ | [1] |
| 2624 | $E_6 + A_6 + A_3 + 2A_1$ | [1] |
| 2625 | $E_6 + A_6 + 2A_2 + A_1$ | [1] |
| 2626 | $E_6 + A_6 + A_2 + 3A_1$ | [1] |
| 2627 | $E_6 + 2A_5 + A_1$ | [1] , [3] |
| 2628 | $E_6 + A_5 + A_4 + A_2$ | [1] |
| 2629 | $E_6 + A_5 + A_4 + 2A_1$ | [1] |
| 2630 | $E_6 + A_5 + 2A_3$ | [1] |
| 2631 | $E_6 + A_5 + A_3 + A_2 + A_1$ | [1] |
| 2632 | $E_6 + A_5 + A_3 + 3A_1$ | empty |
| 2633 | $E_6 + A_5 + 3A_2$ | [3] |
| 2634 | $E_6 + A_5 + 2A_2 + 2A_1$ | [3] |
| 2635 | $E_6 + 2A_4 + A_3$ | [1] |
| 2636 | $E_6 + 2A_4 + A_2 + A_1$ | [1] |
| 2637 | $E_6 + 2A_4 + 3A_1$ | [1] |
| 2638 | $E_6 + A_4 + 2A_3 + A_1$ | [1] |
| 2639 | $E_6 + A_4 + A_3 + 2A_2$ | [1] |
| 2640 | $E_6 + A_4 + A_3 + A_2 + 2A_1$ | [1] |
| 2641 | $E_6 + A_4 + 3A_2 + A_1$ | empty |
| 2642 | $E_6 + 3A_3 + A_2$ | empty |
| 2643 | $E_6 + 3A_3 + 2A_1$ | empty |
| 2644 | $E_6 + 2A_3 + 2A_2 + A_1$ | [1] |
| 2645 | $E_6 + A_3 + 4A_2$ | [3] |
| 2646 | D_{17} | [1] |
| 2647 | $D_{16} + A_1$ | [1] , [2] |
| 2648 | $D_{15} + A_2$ | [1] |
| 2649 | $D_{15} + 2A_1$ | [1] |
| 2650 | $D_{14} + A_3$ | [1] |
| 2651 | $D_{14} + A_2 + A_1$ | [1] , [2] |
| 2652 | $D_{14} + 3A_1$ | [2] |
| 2653 | $D_{13} + D_4$ | [1] |
| 2654 | $D_{13} + A_4$ | [1] |
| 2655 | $D_{13} + A_3 + A_1$ | [1] |
| 2656 | $D_{13} + 2A_2$ | [1] |
| 2657 | $D_{13} + A_2 + 2A_1$ | [1] |
| 2658 | $D_{13} + 4A_1$ | empty |
| 2659 | $D_{12} + D_5$ | [1] , [2] |
| 2660 | $D_{12} + D_4 + A_1$ | [2] |
| 2661 | $D_{12} + A_5$ | [1] |
| 2662 | $D_{12} + A_4 + A_1$ | [1] |
| 2663 | $D_{12} + A_3 + A_2$ | [2] |
| 2664 | $D_{12} + A_3 + 2A_1$ | [2] |
| 2665 | $D_{12} + 2A_2 + A_1$ | [1] |
| 2666 | $D_{12} + A_2 + 3A_1$ | [2] |
| 2667 | $D_{12} + 5A_1$ | empty |
| 2668 | $D_{11} + D_6$ | [1] |
| 2669 | $D_{11} + D_5 + A_1$ | [1] |
| 2670 | $D_{11} + D_4 + A_2$ | empty |
| 2671 | $D_{11} + D_4 + 2A_1$ | empty |
| 2672 | $D_{11} + A_6$ | [1] |
| 2673 | $D_{11} + A_5 + A_1$ | [1] |
| 2674 | $D_{11} + A_4 + A_2$ | [1] |
| 2675 | $D_{11} + A_4 + 2A_1$ | [1] |
| 2676 | $D_{11} + 2A_3$ | empty |
| 2677 | $D_{11} + A_3 + A_2 + A_1$ | [1] |
| 2678 | $D_{11} + A_3 + 3A_1$ | empty |
| 2679 | $D_{11} + 3A_2$ | [1] |
| 2680 | $D_{11} + 2A_2 + 2A_1$ | [1] |
| 2681 | $D_{11} + A_2 + 4A_1$ | empty |
| 2682 | $D_{10} + D_7$ | [1] |
| 2683 | $D_{10} + D_6 + A_1$ | [2] |
| 2684 | $D_{10} + D_5 + A_2$ | [1] |
| 2685 | $D_{10} + D_5 + 2A_1$ | [2] |
| 2686 | $D_{10} + D_4 + A_3$ | empty |
| 2687 | $D_{10} + D_4 + A_2 + A_1$ | [2] |
| 2688 | $D_{10} + D_4 + 3A_1$ | empty |
| 2689 | $D_{10} + A_7$ | [1] |
| 2690 | $D_{10} + A_6 + A_1$ | [1] |
| 2691 | $D_{10} + A_5 + A_2$ | [1] , [2] |
| 2692 | $D_{10} + A_5 + 2A_1$ | [2] |
| 2693 | $D_{10} + A_4 + A_3$ | [1] |
| 2694 | $D_{10} + A_4 + A_2 + A_1$ | [1] |
| 2695 | $D_{10} + A_4 + 3A_1$ | [2] |
| 2696 | $D_{10} + 2A_3 + A_1$ | [2] |
| 2697 | $D_{10} + A_3 + 2A_2$ | [1] |
| 2698 | $D_{10} + A_3 + A_2 + 2A_1$ | [2] |
| 2699 | $D_{10} + A_3 + 4A_1$ | [2, 2] |
| 2700 | $D_{10} + 3A_2 + A_1$ | empty |
| 2701 | $D_{10} + 2A_2 + 3A_1$ | [2] |
| 2702 | $D_9 + D_8$ | [1] |
| 2703 | $D_9 + D_7 + A_1$ | [1] |
| 2704 | $D_9 + D_6 + A_2$ | [1] |
| 2705 | $D_9 + D_6 + 2A_1$ | empty |
| 2706 | $D_9 + D_5 + A_3$ | [1] |
| 2707 | $D_9 + D_5 + A_2 + A_1$ | [1] |
| 2708 | $D_9 + D_5 + 3A_1$ | empty |
| 2709 | $D_9 + 2D_4$ | empty |
| 2710 | $D_9 + D_4 + A_4$ | [1] |
| 2711 | $D_9 + D_4 + A_3 + A_1$ | empty |
| 2712 | $D_9 + D_4 + 2A_2$ | empty |
| 2713 | $D_9 + D_4 + A_2 + 2A_1$ | empty |
| 2714 | $D_9 + A_8$ | [1] |
| 2715 | $D_9 + A_7 + A_1$ | [1] |
| 2716 | $D_9 + A_6 + A_2$ | [1] |
| 2717 | $D_9 + A_6 + 2A_1$ | [1] |
| 2718 | $D_9 + A_5 + A_3$ | [1] |
| 2719 | $D_9 + A_5 + A_2 + A_1$ | [1] |
| 2720 | $D_9 + A_5 + 3A_1$ | [2] |
| 2721 | $D_9 + 2A_4$ | [1] |
| 2722 | $D_9 + A_4 + A_3 + A_1$ | [1] |
| 2723 | $D_9 + A_4 + 2A_2$ | [1] |
| 2724 | $D_9 + A_4 + A_2 + 2A_1$ | [1] |
| 2725 | $D_9 + A_4 + 4A_1$ | empty |
| 2726 | $D_9 + 2A_3 + A_2$ | empty |

Table 1 (rank 17)

| | | |
|------|-------------------------------|----------|
| 2727 | $D_9 + 2A_3 + 2A_1$ | [2] |
| 2728 | $D_9 + A_3 + 2A_2 + A_1$ | [1] |
| 2729 | $D_9 + A_3 + A_2 + 3A_1$ | empty |
| 2730 | $D_9 + 4A_2$ | empty |
| 2731 | $D_9 + 3A_2 + 2A_1$ | [1] |
| 2732 | $2D_8 + A_1$ | [2] |
| 2733 | $D_8 + D_7 + A_2$ | empty |
| 2734 | $D_8 + D_7 + 2A_1$ | [2] |
| 2735 | $D_8 + D_6 + A_3$ | [2] |
| 2736 | $D_8 + D_6 + A_2 + A_1$ | [2] |
| 2737 | $D_8 + D_6 + 3A_1$ | [2, 2] |
| 2738 | $D_8 + D_5 + D_4$ | [2] |
| 2739 | $D_8 + D_5 + A_4$ | [1] |
| 2740 | $D_8 + D_5 + A_3 + A_1$ | [2] |
| 2741 | $D_8 + D_5 + 2A_2$ | empty |
| 2742 | $D_8 + D_5 + A_2 + 2A_1$ | [2] |
| 2743 | $D_8 + 2D_4 + A_1$ | empty |
| 2744 | $D_8 + D_4 + A_5$ | empty |
| 2745 | $D_8 + D_4 + A_4 + A_1$ | empty |
| 2746 | $D_8 + D_4 + A_3 + A_2$ | empty |
| 2747 | $D_8 + D_4 + A_3 + 2A_1$ | [2, 2] |
| 2748 | $D_8 + D_4 + 2A_2 + A_1$ | empty |
| 2749 | $D_8 + A_9$ | [1] |
| 2750 | $D_8 + A_8 + A_1$ | [1] |
| 2751 | $D_8 + A_7 + A_2$ | [2] |
| 2752 | $D_8 + A_7 + 2A_1$ | [2] |
| 2753 | $D_8 + A_6 + A_3$ | empty |
| 2754 | $D_8 + A_6 + A_2 + A_1$ | [1] |
| 2755 | $D_8 + A_6 + 3A_1$ | empty |
| 2756 | $D_8 + A_5 + A_4$ | [1] |
| 2757 | $D_8 + A_5 + A_3 + A_1$ | [2] |
| 2758 | $D_8 + A_5 + 2A_2$ | [1] |
| 2759 | $D_8 + A_5 + A_2 + 2A_1$ | [2] |
| 2760 | $D_8 + A_5 + 4A_1$ | [2, 2] |
| 2761 | $D_8 + 2A_4 + A_1$ | [1] |
| 2762 | $D_8 + A_4 + A_3 + A_2$ | empty |
| 2763 | $D_8 + A_4 + A_3 + 2A_1$ | [2] |
| 2764 | $D_8 + A_4 + 2A_2 + A_1$ | [1] |
| 2765 | $D_8 + A_4 + A_2 + 3A_1$ | empty |
| 2766 | $D_8 + 3A_3$ | empty |
| 2767 | $D_8 + 2A_3 + A_2 + A_1$ | [2] |
| 2768 | $D_8 + 2A_3 + 3A_1$ | [2, 2] |
| 2769 | $D_8 + A_3 + 3A_2$ | [1] |
| 2770 | $D_8 + A_3 + 2A_2 + 2A_1$ | [2] |
| 2771 | $D_8 + 4A_2 + A_1$ | empty |
| 2772 | $2D_7 + A_3$ | empty |
| 2773 | $2D_7 + A_2 + A_1$ | [1] |
| 2774 | $2D_7 + 3A_1$ | empty |
| 2775 | $D_7 + D_6 + D_4$ | empty |
| 2776 | $D_7 + D_6 + A_4$ | [1] |
| 2777 | $D_7 + D_6 + A_3 + A_1$ | [2] |
| 2778 | $D_7 + D_6 + 2A_2$ | [1] |
| 2779 | $D_7 + D_6 + A_2 + 2A_1$ | empty |
| 2780 | $D_7 + 2D_5$ | [1] |
| 2781 | $D_7 + D_5 + D_4 + A_1$ | empty |
| 2782 | $D_7 + D_5 + A_5$ | [1] |
| 2783 | $D_7 + D_5 + A_4 + A_1$ | [1] |
| 2784 | $D_7 + D_5 + A_3 + A_2$ | empty |
| 2785 | $D_7 + D_5 + A_3 + 2A_1$ | [2] |
| 2786 | $D_7 + D_5 + 2A_2 + A_1$ | [1] |
| 2787 | $D_7 + 2D_4 + A_2$ | empty |
| 2788 | $D_7 + D_4 + A_6$ | empty |
| 2789 | $D_7 + D_4 + A_5 + A_1$ | [2] |
| 2790 | $D_7 + D_4 + A_4 + A_2$ | empty |
| 2791 | $D_7 + D_4 + A_4 + 2A_1$ | empty |
| 2792 | $D_7 + D_4 + 2A_3$ | empty |
| 2793 | $D_7 + D_4 + A_3 + A_2 + A_1$ | empty |
| 2794 | $D_7 + D_4 + 3A_2$ | [1] |
| 2795 | $D_7 + A_{10}$ | [1] |
| 2796 | $D_7 + A_9 + A_1$ | [1], [2] |
| 2797 | $D_7 + A_8 + A_2$ | [1] |
| 2798 | $D_7 + A_8 + 2A_1$ | [1] |
| 2799 | $D_7 + A_7 + A_3$ | [4] |
| 2800 | $D_7 + A_7 + A_2 + A_1$ | [1] |
| 2801 | $D_7 + A_7 + 3A_1$ | [2] |
| 2802 | $D_7 + A_6 + A_4$ | [1] |
| 2803 | $D_7 + A_6 + A_3 + A_1$ | [1] |
| 2804 | $D_7 + A_6 + 2A_2$ | [1] |
| 2805 | $D_7 + A_6 + A_2 + 2A_1$ | [1] |
| 2806 | $D_7 + A_6 + 4A_1$ | empty |
| 2807 | $D_7 + 2A_5$ | [1], [2] |
| 2808 | $D_7 + A_5 + A_4 + A_1$ | [1] |
| 2809 | $D_7 + A_5 + A_3 + A_2$ | [1] |
| 2810 | $D_7 + A_5 + A_3 + 2A_1$ | [2] |
| 2811 | $D_7 + A_5 + 2A_2 + A_1$ | empty |
| 2812 | $D_7 + A_5 + A_2 + 3A_1$ | [2] |
| 2813 | $D_7 + 2A_4 + A_2$ | [1] |
| 2814 | $D_7 + 2A_4 + 2A_1$ | [1] |
| 2815 | $D_7 + A_4 + 2A_3$ | empty |
| 2816 | $D_7 + A_4 + A_3 + A_2 + A_1$ | [1] |
| 2817 | $D_7 + A_4 + A_3 + 3A_1$ | empty |
| 2818 | $D_7 + A_4 + 3A_2$ | empty |
| 2819 | $D_7 + A_4 + 2A_2 + 2A_1$ | [1] |
| 2820 | $D_7 + 3A_3 + A_1$ | [4] |
| 2821 | $D_7 + 2A_3 + 2A_2$ | [1] |
| 2822 | $D_7 + 2A_3 + A_2 + 2A_1$ | [2] |
| 2823 | $D_7 + A_3 + 3A_2 + A_1$ | empty |
| 2824 | $D_7 + 5A_2$ | empty |
| 2825 | $2D_6 + D_5$ | [2] |
| 2826 | $2D_6 + D_4 + A_1$ | [2, 2] |
| 2827 | $2D_6 + A_5$ | [2] |
| 2828 | $2D_6 + A_4 + A_1$ | empty |
| 2829 | $2D_6 + A_3 + A_2$ | [2] |
| 2830 | $2D_6 + A_3 + 2A_1$ | [2, 2] |
| 2831 | $2D_6 + 2A_2 + A_1$ | empty |
| 2832 | $D_6 + 2D_5 + A_1$ | [2] |
| 2833 | $D_6 + D_5 + D_4 + A_2$ | empty |
| 2834 | $D_6 + D_5 + A_6$ | [1] |
| 2835 | $D_6 + D_5 + A_5 + A_1$ | [2] |
| 2836 | $D_6 + D_5 + A_4 + A_2$ | [1] |
| 2837 | $D_6 + D_5 + A_4 + 2A_1$ | empty |
| 2838 | $D_6 + D_5 + 2A_3$ | [2] |
| 2839 | $D_6 + D_5 + A_3 + A_2 + A_1$ | [2] |
| 2840 | $D_6 + D_5 + 3A_2$ | [1] |
| 2841 | $D_6 + 2D_4 + A_3$ | empty |
| 2842 | $D_6 + D_4 + A_7$ | [2] |
| 2843 | $D_6 + D_4 + A_6 + A_1$ | empty |
| 2844 | $D_6 + D_4 + A_5 + A_2$ | [2] |
| 2845 | $D_6 + D_4 + A_5 + 2A_1$ | empty |
| 2846 | $D_6 + D_4 + A_4 + A_3$ | empty |

Table 1 (rank 17)

| | | |
|------|--------------------------------|---------------|
| 2847 | $D_6 + D_4 + A_4 + A_2 + A_1$ | empty |
| 2848 | $D_6 + D_4 + 2A_3 + A_1$ | [2, 2] |
| 2849 | $D_6 + D_4 + A_3 + 2A_2$ | empty |
| 2850 | $D_6 + A_{11}$ | [1], [2] |
| 2851 | $D_6 + A_{10} + A_1$ | [1] |
| 2852 | $D_6 + A_9 + A_2$ | [1], [2] |
| 2853 | $D_6 + A_9 + 2A_1$ | [2] |
| 2854 | $D_6 + A_8 + A_3$ | [1] |
| 2855 | $D_6 + A_8 + A_2 + A_1$ | [1] |
| 2856 | $D_6 + A_8 + 3A_1$ | empty |
| 2857 | $D_6 + A_7 + A_4$ | [1] |
| 2858 | $D_6 + A_7 + A_3 + A_1$ | [2] |
| 2859 | $D_6 + A_7 + 2A_2$ | [1] |
| 2860 | $D_6 + A_7 + A_2 + 2A_1$ | [2] |
| 2861 | $D_6 + A_7 + 4A_1$ | empty |
| 2862 | $D_6 + A_6 + A_5$ | [1] |
| 2863 | $D_6 + A_6 + A_4 + A_1$ | [1] |
| 2864 | $D_6 + A_6 + A_3 + A_2$ | [1] |
| 2865 | $D_6 + A_6 + A_3 + 2A_1$ | empty |
| 2866 | $D_6 + A_6 + 2A_2 + A_1$ | [1] |
| 2867 | $D_6 + A_6 + A_2 + 3A_1$ | empty |
| 2868 | $D_6 + 2A_5 + A_1$ | [2] |
| 2869 | $D_6 + A_5 + A_4 + A_2$ | [1] |
| 2870 | $D_6 + A_5 + A_4 + 2A_1$ | [2] |
| 2871 | $D_6 + A_5 + 2A_3$ | [2] |
| 2872 | $D_6 + A_5 + A_3 + A_2 + A_1$ | [2] |
| 2873 | $D_6 + A_5 + A_3 + 3A_1$ | [2, 2] |
| 2874 | $D_6 + A_5 + 3A_2$ | empty |
| 2875 | $D_6 + A_5 + 2A_2 + 2A_1$ | [2] |
| 2876 | $D_6 + 2A_4 + A_3$ | [1] |
| 2877 | $D_6 + 2A_4 + A_2 + A_1$ | [1] |
| 2878 | $D_6 + 2A_4 + 3A_1$ | empty |
| 2879 | $D_6 + A_4 + 2A_3 + A_1$ | [2] |
| 2880 | $D_6 + A_4 + A_3 + 2A_2$ | [1] |
| 2881 | $D_6 + A_4 + A_3 + A_2 + 2A_1$ | empty |
| 2882 | $D_6 + A_4 + 3A_2 + A_1$ | [1] |
| 2883 | $D_6 + 3A_3 + A_2$ | [2] |
| 2884 | $D_6 + 3A_3 + 2A_1$ | [2, 2] |
| 2885 | $D_6 + 2A_3 + 2A_2 + A_1$ | [2] |
| 2886 | $D_6 + A_3 + 4A_2$ | empty |
| 2887 | $3D_5 + A_2$ | [1] |
| 2888 | $2D_5 + D_4 + A_3$ | [2] |
| 2889 | $2D_5 + A_7$ | [1], [2], [4] |
| 2890 | $2D_5 + A_6 + A_1$ | [1] |
| 2891 | $2D_5 + A_5 + A_2$ | [1] |
| 2892 | $2D_5 + A_5 + 2A_1$ | [2] |
| 2893 | $2D_5 + A_4 + A_3$ | [1] |
| 2894 | $2D_5 + A_4 + A_2 + A_1$ | [1] |
| 2895 | $2D_5 + 2A_3 + A_1$ | [4] |
| 2896 | $2D_5 + A_3 + 2A_2$ | empty |
| 2897 | $D_5 + 2D_4 + A_4$ | empty |
| 2898 | $D_5 + D_4 + A_8$ | [1] |
| 2899 | $D_5 + D_4 + A_7 + A_1$ | [2] |
| 2900 | $D_5 + D_4 + A_6 + A_2$ | empty |
| 2901 | $D_5 + D_4 + A_6 + 2A_1$ | empty |
| 2902 | $D_5 + D_4 + A_5 + A_3$ | empty |
| 2903 | $D_5 + D_4 + A_5 + A_2 + A_1$ | [2] |
| 2904 | $D_5 + D_4 + 2A_4$ | [1] |
| 2905 | $D_5 + D_4 + A_4 + A_3 + A_1$ | empty |
| 2906 | $D_5 + D_4 + A_4 + 2A_2$ | empty |
| 2907 | $D_5 + D_4 + 2A_3 + A_2$ | empty |
| 2908 | $D_5 + A_{12}$ | [1] |
| 2909 | $D_5 + A_{11} + A_1$ | [1], [2], [4] |
| 2910 | $D_5 + A_{10} + A_2$ | [1] |
| 2911 | $D_5 + A_{10} + 2A_1$ | [1] |
| 2912 | $D_5 + A_9 + A_3$ | [1] |
| 2913 | $D_5 + A_9 + A_2 + A_1$ | [1], [2] |
| 2914 | $D_5 + A_9 + 3A_1$ | [2] |
| 2915 | $D_5 + A_8 + A_4$ | [1] |
| 2916 | $D_5 + A_8 + A_3 + A_1$ | [1] |
| 2917 | $D_5 + A_8 + 2A_2$ | [1] |
| 2918 | $D_5 + A_8 + A_2 + 2A_1$ | [1] |
| 2919 | $D_5 + A_8 + 4A_1$ | empty |
| 2920 | $D_5 + A_7 + A_5$ | [1] |
| 2921 | $D_5 + A_7 + A_4 + A_1$ | [1] |
| 2922 | $D_5 + A_7 + A_3 + A_2$ | [2] |
| 2923 | $D_5 + A_7 + A_3 + 2A_1$ | [2], [4] |
| 2924 | $D_5 + A_7 + 2A_2 + A_1$ | [1] |
| 2925 | $D_5 + A_7 + A_2 + 3A_1$ | [2] |
| 2926 | $D_5 + 2A_6$ | [1] |
| 2927 | $D_5 + A_6 + A_5 + A_1$ | [1] |
| 2928 | $D_5 + A_6 + A_4 + A_2$ | [1] |
| 2929 | $D_5 + A_6 + A_4 + 2A_1$ | [1] |
| 2930 | $D_5 + A_6 + 2A_3$ | empty |
| 2931 | $D_5 + A_6 + A_3 + A_2 + A_1$ | [1] |
| 2932 | $D_5 + A_6 + A_3 + 3A_1$ | empty |
| 2933 | $D_5 + A_6 + 3A_2$ | [1] |
| 2934 | $D_5 + A_6 + 2A_2 + 2A_1$ | [1] |
| 2935 | $D_5 + 2A_5 + A_2$ | [1], [2] |
| 2936 | $D_5 + 2A_5 + 2A_1$ | [2] |
| 2937 | $D_5 + A_5 + A_4 + A_3$ | [1] |
| 2938 | $D_5 + A_5 + A_4 + A_2 + A_1$ | [1] |
| 2939 | $D_5 + A_5 + A_4 + 3A_1$ | [2] |
| 2940 | $D_5 + A_5 + 2A_3 + A_1$ | [2] |
| 2941 | $D_5 + A_5 + A_3 + 2A_2$ | [1] |
| 2942 | $D_5 + A_5 + A_3 + A_2 + 2A_1$ | [2] |
| 2943 | $D_5 + A_5 + 3A_2 + A_1$ | empty |
| 2944 | $D_5 + 3A_4$ | [1] |
| 2945 | $D_5 + 2A_4 + A_3 + A_1$ | [1] |
| 2946 | $D_5 + 2A_4 + 2A_2$ | [1] |
| 2947 | $D_5 + 2A_4 + A_2 + 2A_1$ | [1] |
| 2948 | $D_5 + A_4 + 2A_3 + A_2$ | empty |
| 2949 | $D_5 + A_4 + 2A_3 + 2A_1$ | [2] |
| 2950 | $D_5 + A_4 + A_3 + 2A_2 + A_1$ | [1] |
| 2951 | $D_5 + A_4 + 4A_2$ | empty |
| 2952 | $D_5 + 4A_3$ | empty |
| 2953 | $D_5 + 3A_3 + A_2 + A_1$ | [4] |
| 2954 | $D_5 + 2A_3 + 3A_2$ | [1] |
| 2955 | $3D_4 + A_5$ | empty |
| 2956 | $2D_4 + A_9$ | empty |
| 2957 | $2D_4 + A_8 + A_1$ | empty |
| 2958 | $2D_4 + A_7 + A_2$ | empty |
| 2959 | $2D_4 + A_7 + 2A_1$ | empty |
| 2960 | $2D_4 + A_6 + A_3$ | empty |
| 2961 | $2D_4 + A_6 + A_2 + A_1$ | empty |
| 2962 | $2D_4 + A_5 + A_4$ | empty |
| 2963 | $2D_4 + A_5 + A_3 + A_1$ | empty |
| 2964 | $2D_4 + A_5 + 2A_2$ | empty |
| 2965 | $2D_4 + 2A_4 + A_1$ | empty |
| 2966 | $2D_4 + A_4 + A_3 + A_2$ | empty |

Table 1 (rank 17)

| | | |
|------|--------------------------------|--------------------|
| 2967 | $2D_4 + 3A_3$ | empty |
| 2968 | $D_4 + A_{13}$ | [1] |
| 2969 | $D_4 + A_{12} + A_1$ | [1] |
| 2970 | $D_4 + A_{11} + A_2$ | [2] |
| 2971 | $D_4 + A_{11} + 2A_1$ | [2] |
| 2972 | $D_4 + A_{10} + A_3$ | empty |
| 2973 | $D_4 + A_{10} + A_2 + A_1$ | [1] |
| 2974 | $D_4 + A_{10} + 3A_1$ | empty |
| 2975 | $D_4 + A_9 + A_4$ | [1] |
| 2976 | $D_4 + A_9 + A_3 + A_1$ | [2] |
| 2977 | $D_4 + A_9 + 2A_2$ | [1] |
| 2978 | $D_4 + A_9 + A_2 + 2A_1$ | [2] |
| 2979 | $D_4 + A_9 + 4A_1$ | empty |
| 2980 | $D_4 + A_8 + A_5$ | [1] |
| 2981 | $D_4 + A_8 + A_4 + A_1$ | [1] |
| 2982 | $D_4 + A_8 + A_3 + A_2$ | empty |
| 2983 | $D_4 + A_8 + A_3 + 2A_1$ | empty |
| 2984 | $D_4 + A_8 + 2A_2 + A_1$ | empty |
| 2985 | $D_4 + A_8 + A_2 + 3A_1$ | empty |
| 2986 | $D_4 + A_7 + A_6$ | empty |
| 2987 | $D_4 + A_7 + A_5 + A_1$ | empty |
| 2988 | $D_4 + A_7 + A_4 + A_2$ | empty |
| 2989 | $D_4 + A_7 + A_4 + 2A_1$ | [2] |
| 2990 | $D_4 + A_7 + 2A_3$ | empty |
| 2991 | $D_4 + A_7 + A_3 + A_2 + A_1$ | [2] |
| 2992 | $D_4 + A_7 + A_3 + 3A_1$ | empty |
| 2993 | $D_4 + A_7 + 3A_2$ | empty |
| 2994 | $D_4 + A_7 + 2A_2 + 2A_1$ | [2] |
| 2995 | $D_4 + 2A_6 + A_1$ | [1] |
| 2996 | $D_4 + A_6 + A_5 + A_2$ | [1] |
| 2997 | $D_4 + A_6 + A_5 + 2A_1$ | empty |
| 2998 | $D_4 + A_6 + A_4 + A_3$ | empty |
| 2999 | $D_4 + A_6 + A_4 + A_2 + A_1$ | [1] |
| 3000 | $D_4 + A_6 + A_4 + 3A_1$ | empty |
| 3001 | $D_4 + A_6 + 2A_3 + A_1$ | empty |
| 3002 | $D_4 + A_6 + A_3 + 2A_2$ | [1] |
| 3003 | $D_4 + A_6 + A_3 + A_2 + 2A_1$ | empty |
| 3004 | $D_4 + A_6 + 3A_2 + A_1$ | empty |
| 3005 | $D_4 + 2A_5 + A_3$ | [2] |
| 3006 | $D_4 + 2A_5 + A_2 + A_1$ | empty |
| 3007 | $D_4 + 2A_5 + 3A_1$ | [2, 2] |
| 3008 | $D_4 + A_5 + 2A_4$ | [1] |
| 3009 | $D_4 + A_5 + A_4 + A_3 + A_1$ | [2] |
| 3010 | $D_4 + A_5 + A_4 + 2A_2$ | empty |
| 3011 | $D_4 + A_5 + A_4 + A_2 + 2A_1$ | empty |
| 3012 | $D_4 + A_5 + 2A_3 + A_2$ | empty |
| 3013 | $D_4 + A_5 + 2A_3 + 2A_1$ | [2, 2] |
| 3014 | $D_4 + A_5 + A_3 + 2A_2 + A_1$ | empty |
| 3015 | $D_4 + A_5 + 4A_2$ | empty |
| 3016 | $D_4 + 3A_4 + A_1$ | empty |
| 3017 | $D_4 + 2A_4 + A_3 + A_2$ | empty |
| 3018 | $D_4 + 2A_4 + A_3 + 2A_1$ | empty |
| 3019 | $D_4 + 2A_4 + 2A_2 + A_1$ | [1] |
| 3020 | $D_4 + A_4 + 3A_3$ | empty |
| 3021 | $D_4 + A_4 + 2A_3 + A_2 + A_1$ | empty |
| 3022 | $D_4 + A_4 + A_3 + 3A_2$ | empty |
| 3023 | $D_4 + 4A_3 + A_1$ | empty |
| 3024 | $D_4 + 3A_3 + 2A_2$ | [2] |
| 3025 | A_{17} | [1], [3] |
| 3026 | $A_{16} + A_1$ | [1] |
| 3027 | $A_{15} + A_2$ | [1], [2] |
| 3028 | $A_{15} + 2A_1$ | [1], [2], [4] |
| 3029 | $A_{14} + A_3$ | [1] |
| 3030 | $A_{14} + A_2 + A_1$ | [1], [3] |
| 3031 | $A_{14} + 3A_1$ | [1] |
| 3032 | $A_{13} + A_4$ | [1] |
| 3033 | $A_{13} + A_3 + A_1$ | [1], [2] |
| 3034 | $A_{13} + 2A_2$ | [1] |
| 3035 | $A_{13} + A_2 + 2A_1$ | [1], [2] |
| 3036 | $A_{13} + 4A_1$ | [2] |
| 3037 | $A_{12} + A_5$ | [1] |
| 3038 | $A_{12} + A_4 + A_1$ | [1] |
| 3039 | $A_{12} + A_3 + A_2$ | [1] |
| 3040 | $A_{12} + A_3 + 2A_1$ | [1] |
| 3041 | $A_{12} + 2A_2 + A_1$ | [1] |
| 3042 | $A_{12} + A_2 + 3A_1$ | [1] |
| 3043 | $A_{12} + 5A_1$ | empty |
| 3044 | $A_{11} + A_6$ | [1] |
| 3045 | $A_{11} + A_5 + A_1$ | [1], [3] |
| 3046 | $A_{11} + A_4 + A_2$ | [1] |
| 3047 | $A_{11} + A_4 + 2A_1$ | [1], [2] |
| 3048 | $A_{11} + 2A_3$ | [4] |
| 3049 | $A_{11} + A_3 + A_2 + A_1$ | [1], [2] |
| 3050 | $A_{11} + A_3 + 3A_1$ | [2], [4] |
| 3051 | $A_{11} + 3A_2$ | [3] |
| 3052 | $A_{11} + 2A_2 + 2A_1$ | [1], [2], [3], [6] |
| 3053 | $A_{11} + A_2 + 4A_1$ | [2] |
| 3054 | $A_{11} + 6A_1$ | empty |
| 3055 | $A_{10} + A_7$ | [1] |
| 3056 | $A_{10} + A_6 + A_1$ | [1] |
| 3057 | $A_{10} + A_5 + A_2$ | [1] |
| 3058 | $A_{10} + A_5 + 2A_1$ | [1] |
| 3059 | $A_{10} + A_4 + A_3$ | [1] |
| 3060 | $A_{10} + A_4 + A_2 + A_1$ | [1] |
| 3061 | $A_{10} + A_4 + 3A_1$ | [1] |
| 3062 | $A_{10} + 2A_3 + A_1$ | [1] |
| 3063 | $A_{10} + A_3 + 2A_2$ | [1] |
| 3064 | $A_{10} + A_3 + A_2 + 2A_1$ | [1] |
| 3065 | $A_{10} + A_3 + 4A_1$ | empty |
| 3066 | $A_{10} + 3A_2 + A_1$ | [1] |
| 3067 | $A_{10} + 2A_2 + 3A_1$ | [1] |
| 3068 | $A_{10} + A_2 + 5A_1$ | empty |
| 3069 | $A_9 + A_8$ | [1] |
| 3070 | $A_9 + A_7 + A_1$ | [1] |
| 3071 | $A_9 + A_6 + A_2$ | [1] |
| 3072 | $A_9 + A_6 + 2A_1$ | [1] |
| 3073 | $A_9 + A_5 + A_3$ | [1], [2] |
| 3074 | $A_9 + A_5 + A_2 + A_1$ | [1], [2] |
| 3075 | $A_9 + A_5 + 3A_1$ | [2] |
| 3076 | $A_9 + 2A_4$ | [1], [5] |
| 3077 | $A_9 + A_4 + A_3 + A_1$ | [1], [2] |
| 3078 | $A_9 + A_4 + 2A_2$ | [1] |
| 3079 | $A_9 + A_4 + A_2 + 2A_1$ | [1] |
| 3080 | $A_9 + A_4 + 4A_1$ | [2] |
| 3081 | $A_9 + 2A_3 + A_2$ | [1] |
| 3082 | $A_9 + 2A_3 + 2A_1$ | [2] |
| 3083 | $A_9 + A_3 + 2A_2 + A_1$ | [1], [2] |
| 3084 | $A_9 + A_3 + A_2 + 3A_1$ | [2] |
| 3085 | $A_9 + A_3 + 5A_1$ | empty |
| 3086 | $A_9 + 4A_2$ | empty |

Table 1 (rank 17)

| | | |
|------|--------------------------------|----------------|
| 3087 | $A_9 + 3A_2 + 2A_1$ | [1] |
| 3088 | $A_9 + 2A_2 + 4A_1$ | [2] |
| 3089 | $2A_8 + A_1$ | [1], [3] |
| 3090 | $A_8 + A_7 + A_2$ | [1] |
| 3091 | $A_8 + A_7 + 2A_1$ | [1] |
| 3092 | $A_8 + A_6 + A_3$ | [1] |
| 3093 | $A_8 + A_6 + A_2 + A_1$ | [1] |
| 3094 | $A_8 + A_6 + 3A_1$ | [1] |
| 3095 | $A_8 + A_5 + A_4$ | [1] |
| 3096 | $A_8 + A_5 + A_3 + A_1$ | [1] |
| 3097 | $A_8 + A_5 + 2A_2$ | [3] |
| 3098 | $A_8 + A_5 + A_2 + 2A_1$ | [1], [3] |
| 3099 | $A_8 + A_5 + 4A_1$ | empty |
| 3100 | $A_8 + 2A_4 + A_1$ | [1] |
| 3101 | $A_8 + A_4 + A_3 + A_2$ | [1] |
| 3102 | $A_8 + A_4 + A_3 + 2A_1$ | [1] |
| 3103 | $A_8 + A_4 + 2A_2 + A_1$ | [1] |
| 3104 | $A_8 + A_4 + A_2 + 3A_1$ | [1] |
| 3105 | $A_8 + A_4 + 5A_1$ | empty |
| 3106 | $A_8 + 3A_3$ | empty |
| 3107 | $A_8 + 2A_3 + A_2 + A_1$ | [1] |
| 3108 | $A_8 + 2A_3 + 3A_1$ | empty |
| 3109 | $A_8 + A_3 + 3A_2$ | [3] |
| 3110 | $A_8 + A_3 + 2A_2 + 2A_1$ | [1] |
| 3111 | $A_8 + A_3 + A_2 + 4A_1$ | empty |
| 3112 | $A_8 + 4A_2 + A_1$ | [3] |
| 3113 | $A_8 + 3A_2 + 3A_1$ | [3] |
| 3114 | $2A_7 + A_3$ | [4] |
| 3115 | $2A_7 + A_2 + A_1$ | [1], [2] |
| 3116 | $2A_7 + 3A_1$ | [4] |
| 3117 | $A_7 + A_6 + A_4$ | [1] |
| 3118 | $A_7 + A_6 + A_3 + A_1$ | [1] |
| 3119 | $A_7 + A_6 + 2A_2$ | [1] |
| 3120 | $A_7 + A_6 + A_2 + 2A_1$ | [1] |
| 3121 | $A_7 + A_6 + 4A_1$ | [2] |
| 3122 | $A_7 + 2A_5$ | [1] |
| 3123 | $A_7 + A_5 + A_4 + A_1$ | [1], [2] |
| 3124 | $A_7 + A_5 + A_3 + A_2$ | [1] |
| 3125 | $A_7 + A_5 + A_3 + 2A_1$ | [2] |
| 3126 | $A_7 + A_5 + 2A_2 + A_1$ | [1], [2] |
| 3127 | $A_7 + A_5 + A_2 + 3A_1$ | [2] |
| 3128 | $A_7 + A_5 + 5A_1$ | [2, 2] |
| 3129 | $A_7 + 2A_4 + A_2$ | [1] |
| 3130 | $A_7 + 2A_4 + 2A_1$ | [1] |
| 3131 | $A_7 + A_4 + 2A_3$ | empty |
| 3132 | $A_7 + A_4 + A_3 + A_2 + A_1$ | [1] |
| 3133 | $A_7 + A_4 + A_3 + 3A_1$ | [2] |
| 3134 | $A_7 + A_4 + 3A_2$ | [1] |
| 3135 | $A_7 + A_4 + 2A_2 + 2A_1$ | [1] |
| 3136 | $A_7 + A_4 + A_2 + 4A_1$ | [2] |
| 3137 | $A_7 + 3A_3 + A_1$ | [4] |
| 3138 | $A_7 + 2A_3 + 2A_2$ | [1], [2] |
| 3139 | $A_7 + 2A_3 + A_2 + 2A_1$ | [2], [4] |
| 3140 | $A_7 + 2A_3 + 4A_1$ | [2, 2], [4, 2] |
| 3141 | $A_7 + A_3 + 3A_2 + A_1$ | [1] |
| 3142 | $A_7 + A_3 + 2A_2 + 3A_1$ | [2] |
| 3143 | $A_7 + 5A_2$ | empty |
| 3144 | $A_7 + 4A_2 + 2A_1$ | empty |
| 3145 | $2A_6 + A_5$ | [1] |
| 3146 | $2A_6 + A_4 + A_1$ | [1] |
| 3147 | $2A_6 + A_3 + A_2$ | [1] |
| 3148 | $2A_6 + A_3 + 2A_1$ | [1] |
| 3149 | $2A_6 + 2A_2 + A_1$ | [1] |
| 3150 | $2A_6 + A_2 + 3A_1$ | [1] |
| 3151 | $2A_6 + 5A_1$ | empty |
| 3152 | $A_6 + 2A_5 + A_1$ | [1] |
| 3153 | $A_6 + A_5 + A_4 + A_2$ | [1] |
| 3154 | $A_6 + A_5 + A_4 + 2A_1$ | [1] |
| 3155 | $A_6 + A_5 + 2A_3$ | [1] |
| 3156 | $A_6 + A_5 + A_3 + A_2 + A_1$ | [1] |
| 3157 | $A_6 + A_5 + A_3 + 3A_1$ | [2] |
| 3158 | $A_6 + A_5 + 3A_2$ | empty |
| 3159 | $A_6 + A_5 + 2A_2 + 2A_1$ | [1] |
| 3160 | $A_6 + A_5 + A_2 + 4A_1$ | empty |
| 3161 | $A_6 + 2A_4 + A_3$ | [1] |
| 3162 | $A_6 + 2A_4 + A_2 + A_1$ | [1] |
| 3163 | $A_6 + 2A_4 + 3A_1$ | [1] |
| 3164 | $A_6 + A_4 + 2A_3 + A_1$ | [1] |
| 3165 | $A_6 + A_4 + A_3 + 2A_2$ | [1] |
| 3166 | $A_6 + A_4 + A_3 + A_2 + 2A_1$ | [1] |
| 3167 | $A_6 + A_4 + A_3 + 4A_1$ | empty |
| 3168 | $A_6 + A_4 + 3A_2 + A_1$ | [1] |
| 3169 | $A_6 + A_4 + 2A_2 + 3A_1$ | [1] |
| 3170 | $A_6 + 3A_3 + A_2$ | [1] |
| 3171 | $A_6 + 3A_3 + 2A_1$ | [2] |
| 3172 | $A_6 + 2A_3 + 2A_2 + A_1$ | [1] |
| 3173 | $A_6 + 2A_3 + A_2 + 3A_1$ | empty |
| 3174 | $A_6 + A_3 + 4A_2$ | empty |
| 3175 | $A_6 + A_3 + 3A_2 + 2A_1$ | [1] |
| 3176 | $A_6 + 5A_2 + A_1$ | empty |
| 3177 | $3A_5 + A_2$ | [3] |
| 3178 | $3A_5 + 2A_1$ | [2], [6] |
| 3179 | $2A_5 + A_4 + A_3$ | [1], [2] |
| 3180 | $2A_5 + A_4 + A_2 + A_1$ | [1] |
| 3181 | $2A_5 + A_4 + 3A_1$ | [2] |
| 3182 | $2A_5 + 2A_3 + A_1$ | [2] |
| 3183 | $2A_5 + A_3 + 2A_2$ | [3], [6] |
| 3184 | $2A_5 + A_3 + A_2 + 2A_1$ | [2] |
| 3185 | $2A_5 + A_3 + 4A_1$ | [2, 2] |
| 3186 | $2A_5 + 3A_2 + A_1$ | [3] |
| 3187 | $2A_5 + 2A_2 + 3A_1$ | [6] |
| 3188 | $A_5 + 3A_4$ | [1] |
| 3189 | $A_5 + 2A_4 + A_3 + A_1$ | [1] |
| 3190 | $A_5 + 2A_4 + 2A_2$ | [1] |
| 3191 | $A_5 + 2A_4 + A_2 + 2A_1$ | [1] |
| 3192 | $A_5 + 2A_4 + 4A_1$ | empty |
| 3193 | $A_5 + A_4 + 2A_3 + A_2$ | [1] |
| 3194 | $A_5 + A_4 + 2A_3 + 2A_1$ | [2] |
| 3195 | $A_5 + A_4 + A_3 + 2A_2 + A_1$ | [1] |
| 3196 | $A_5 + A_4 + A_3 + A_2 + 3A_1$ | [2] |
| 3197 | $A_5 + A_4 + 4A_2$ | [3] |
| 3198 | $A_5 + A_4 + 3A_2 + 2A_1$ | empty |
| 3199 | $A_5 + 4A_3$ | empty |
| 3200 | $A_5 + 3A_3 + A_2 + A_1$ | [2] |
| 3201 | $A_5 + 3A_3 + 3A_1$ | [2, 2] |
| 3202 | $A_5 + 2A_3 + 3A_2$ | empty |
| 3203 | $A_5 + 2A_3 + 2A_2 + 2A_1$ | [2] |
| 3204 | $A_5 + A_3 + 4A_2 + A_1$ | [3] |
| 3205 | $A_5 + 6A_2$ | [3, 3] |
| 3206 | $4A_4 + A_1$ | [5] |

Table 1 (rank 17 - rank 18)

| | | |
|---------|-------------------------------|----------|
| 3207 | $3A_4 + A_3 + A_2$ | empty |
| 3208 | $3A_4 + A_3 + 2A_1$ | [1] |
| 3209 | $3A_4 + 2A_2 + A_1$ | empty |
| 3210 | $3A_4 + A_2 + 3A_1$ | [1] |
| 3211 | $2A_4 + 3A_3$ | empty |
| 3212 | $2A_4 + 2A_3 + A_2 + A_1$ | [1] |
| 3213 | $2A_4 + 2A_3 + 3A_1$ | empty |
| 3214 | $2A_4 + A_3 + 3A_2$ | [1] |
| 3215 | $2A_4 + A_3 + 2A_2 + 2A_1$ | [1] |
| 3216 | $2A_4 + 4A_2 + A_1$ | empty |
| 3217 | $A_4 + 4A_3 + A_1$ | empty |
| 3218 | $A_4 + 3A_3 + 2A_2$ | [1] |
| 3219 | $A_4 + 3A_3 + A_2 + 2A_1$ | [2] |
| 3220 | $A_4 + 2A_3 + 3A_2 + A_1$ | [1] |
| 3221 | $A_4 + A_3 + 5A_2$ | empty |
| 3222 | $5A_3 + A_2$ | [4] |
| 3223 | $5A_3 + 2A_1$ | [4, 2] |
| 3224 | $4A_3 + 2A_2 + A_1$ | empty |
| 3225 | $3A_3 + 4A_2$ | empty |
| rank 18 | | |
| 3226 | $2E_8 + A_2$ | [1] |
| 3227 | $2E_8 + 2A_1$ | [1] |
| 3228 | $E_8 + E_7 + A_3$ | [1] |
| 3229 | $E_8 + E_7 + A_2 + A_1$ | [1] |
| 3230 | $E_8 + E_6 + D_4$ | [1] |
| 3231 | $E_8 + E_6 + A_4$ | [1] |
| 3232 | $E_8 + E_6 + A_3 + A_1$ | [1] |
| 3233 | $E_8 + E_6 + 2A_2$ | empty |
| 3234 | $E_8 + D_{10}$ | [1] |
| 3235 | $E_8 + D_9 + A_1$ | [1] |
| 3236 | $E_8 + D_8 + A_2$ | empty |
| 3237 | $E_8 + D_8 + 2A_1$ | empty |
| 3238 | $E_8 + D_7 + A_3$ | empty |
| 3239 | $E_8 + D_7 + A_2 + A_1$ | [1] |
| 3240 | $E_8 + D_6 + D_4$ | empty |
| 3241 | $E_8 + D_6 + A_4$ | [1] |
| 3242 | $E_8 + D_6 + A_3 + A_1$ | empty |
| 3243 | $E_8 + D_6 + 2A_2$ | [1] |
| 3244 | $E_8 + 2D_5$ | [1] |
| 3245 | $E_8 + D_5 + A_5$ | [1] |
| 3246 | $E_8 + D_5 + A_4 + A_1$ | [1] |
| 3247 | $E_8 + D_5 + A_3 + A_2$ | empty |
| 3248 | $E_8 + D_4 + A_6$ | empty |
| 3249 | $E_8 + D_4 + A_5 + A_1$ | empty |
| 3250 | $E_8 + D_4 + A_4 + A_2$ | empty |
| 3251 | $E_8 + D_4 + 2A_3$ | empty |
| 3252 | $E_8 + A_{10}$ | [1] |
| 3253 | $E_8 + A_9 + A_1$ | [1] |
| 3254 | $E_8 + A_8 + A_2$ | [1] |
| 3255 | $E_8 + A_8 + 2A_1$ | [1] |
| 3256 | $E_8 + A_7 + A_3$ | empty |
| 3257 | $E_8 + A_7 + A_2 + A_1$ | [1] |
| 3258 | $E_8 + A_7 + 3A_1$ | empty |
| 3259 | $E_8 + A_6 + A_4$ | [1] |
| 3260 | $E_8 + A_6 + A_3 + A_1$ | [1] |
| 3261 | $E_8 + A_6 + 2A_2$ | [1] |
| 3262 | $E_8 + A_6 + A_2 + 2A_1$ | [1] |
| 3263 | $E_8 + 2A_5$ | [1] |
| 3264 | $E_8 + A_5 + A_4 + A_1$ | [1] |
| 3265 | $E_8 + A_5 + A_3 + A_2$ | [1] |
| 3266 | $E_8 + A_5 + A_3 + 2A_1$ | empty |
| 3267 | $E_8 + A_5 + 2A_2 + A_1$ | empty |
| 3268 | $E_8 + 2A_4 + A_2$ | empty |
| 3269 | $E_8 + 2A_4 + 2A_1$ | [1] |
| 3270 | $E_8 + A_4 + 2A_3$ | empty |
| 3271 | $E_8 + A_4 + A_3 + A_2 + A_1$ | [1] |
| 3272 | $E_8 + A_4 + 3A_2$ | empty |
| 3273 | $E_8 + 3A_3 + A_1$ | empty |
| 3274 | $E_8 + 2A_3 + 2A_2$ | [1] |
| 3275 | $2E_7 + D_4$ | [2] |
| 3276 | $2E_7 + A_4$ | [1] |
| 3277 | $2E_7 + A_3 + A_1$ | [2] |
| 3278 | $2E_7 + 2A_2$ | [1] |
| 3279 | $E_7 + E_6 + D_5$ | [1] |
| 3280 | $E_7 + E_6 + A_5$ | [1] |
| 3281 | $E_7 + E_6 + A_4 + A_1$ | [1] |
| 3282 | $E_7 + E_6 + A_3 + A_2$ | [1] |
| 3283 | $E_7 + D_{11}$ | [1] |
| 3284 | $E_7 + D_{10} + A_1$ | [2] |
| 3285 | $E_7 + D_9 + A_2$ | [1] |
| 3286 | $E_7 + D_9 + 2A_1$ | empty |
| 3287 | $E_7 + D_8 + A_3$ | empty |
| 3288 | $E_7 + D_8 + A_2 + A_1$ | [2] |
| 3289 | $E_7 + D_7 + D_4$ | empty |
| 3290 | $E_7 + D_7 + A_4$ | [1] |
| 3291 | $E_7 + D_7 + A_3 + A_1$ | [2] |
| 3292 | $E_7 + D_7 + 2A_2$ | empty |
| 3293 | $E_7 + D_6 + D_5$ | [2] |
| 3294 | $E_7 + D_6 + A_5$ | [2] |
| 3295 | $E_7 + D_6 + A_4 + A_1$ | empty |
| 3296 | $E_7 + D_6 + A_3 + A_2$ | [2] |
| 3297 | $E_7 + D_5 + A_6$ | [1] |
| 3298 | $E_7 + D_5 + A_5 + A_1$ | [2] |
| 3299 | $E_7 + D_5 + A_4 + A_2$ | [1] |
| 3300 | $E_7 + D_5 + 2A_3$ | empty |
| 3301 | $E_7 + D_4 + A_7$ | empty |
| 3302 | $E_7 + D_4 + A_6 + A_1$ | empty |
| 3303 | $E_7 + D_4 + A_5 + A_2$ | empty |
| 3304 | $E_7 + D_4 + A_4 + A_3$ | empty |
| 3305 | $E_7 + A_{11}$ | [1] |
| 3306 | $E_7 + A_{10} + A_1$ | [1] |
| 3307 | $E_7 + A_9 + A_2$ | [1], [2] |
| 3308 | $E_7 + A_9 + 2A_1$ | [2] |
| 3309 | $E_7 + A_8 + A_3$ | [1] |
| 3310 | $E_7 + A_8 + A_2 + A_1$ | [1] |
| 3311 | $E_7 + A_8 + 3A_1$ | empty |
| 3312 | $E_7 + A_7 + A_4$ | [1] |
| 3313 | $E_7 + A_7 + A_3 + A_1$ | [2] |
| 3314 | $E_7 + A_7 + 2A_2$ | [1] |
| 3315 | $E_7 + A_7 + A_2 + 2A_1$ | [2] |
| 3316 | $E_7 + A_6 + A_5$ | [1] |
| 3317 | $E_7 + A_6 + A_4 + A_1$ | [1] |
| 3318 | $E_7 + A_6 + A_3 + A_2$ | [1] |
| 3319 | $E_7 + A_6 + A_3 + 2A_1$ | empty |
| 3320 | $E_7 + A_6 + 2A_2 + A_1$ | [1] |
| 3321 | $E_7 + 2A_5 + A_1$ | empty |
| 3322 | $E_7 + A_5 + A_4 + A_2$ | [1] |
| 3323 | $E_7 + A_5 + A_4 + 2A_1$ | [2] |
| 3324 | $E_7 + A_5 + 2A_3$ | [2] |

Table 1 (rank 18)

| | | |
|------|-------------------------------|----------|
| 3325 | $E_7 + A_5 + A_3 + A_2 + A_1$ | [2] |
| 3326 | $E_7 + A_5 + 3A_2$ | empty |
| 3327 | $E_7 + 2A_4 + A_3$ | empty |
| 3328 | $E_7 + 2A_4 + A_2 + A_1$ | empty |
| 3329 | $E_7 + A_4 + 2A_3 + A_1$ | [2] |
| 3330 | $E_7 + A_4 + A_3 + 2A_2$ | [1] |
| 3331 | $E_7 + 3A_3 + A_2$ | empty |
| 3332 | $3E_6$ | [3] |
| 3333 | $2E_6 + D_6$ | [1] |
| 3334 | $2E_6 + A_6$ | [1] |
| 3335 | $2E_6 + A_5 + A_1$ | [3] |
| 3336 | $2E_6 + A_4 + A_2$ | empty |
| 3337 | $2E_6 + 2A_3$ | [1] |
| 3338 | $E_6 + D_{12}$ | [1] |
| 3339 | $E_6 + D_{11} + A_1$ | [1] |
| 3340 | $E_6 + D_{10} + A_2$ | empty |
| 3341 | $E_6 + D_{10} + 2A_1$ | empty |
| 3342 | $E_6 + D_9 + A_3$ | [1] |
| 3343 | $E_6 + D_9 + A_2 + A_1$ | [1] |
| 3344 | $E_6 + D_8 + D_4$ | empty |
| 3345 | $E_6 + D_8 + A_4$ | [1] |
| 3346 | $E_6 + D_8 + A_3 + A_1$ | empty |
| 3347 | $E_6 + D_8 + 2A_2$ | empty |
| 3348 | $E_6 + D_7 + D_5$ | [1] |
| 3349 | $E_6 + D_7 + A_5$ | empty |
| 3350 | $E_6 + D_7 + A_4 + A_1$ | [1] |
| 3351 | $E_6 + D_7 + A_3 + A_2$ | empty |
| 3352 | $E_6 + 2D_6$ | empty |
| 3353 | $E_6 + D_6 + A_6$ | [1] |
| 3354 | $E_6 + D_6 + A_5 + A_1$ | empty |
| 3355 | $E_6 + D_6 + A_4 + A_2$ | [1] |
| 3356 | $E_6 + D_6 + 2A_3$ | empty |
| 3357 | $E_6 + D_5 + A_7$ | [1] |
| 3358 | $E_6 + D_5 + A_6 + A_1$ | [1] |
| 3359 | $E_6 + D_5 + A_5 + A_2$ | empty |
| 3360 | $E_6 + D_5 + A_4 + A_3$ | [1] |
| 3361 | $E_6 + D_4 + A_8$ | empty |
| 3362 | $E_6 + D_4 + A_7 + A_1$ | empty |
| 3363 | $E_6 + D_4 + A_6 + A_2$ | empty |
| 3364 | $E_6 + D_4 + A_5 + A_3$ | empty |
| 3365 | $E_6 + D_4 + 2A_4$ | empty |
| 3366 | $E_6 + A_{12}$ | [1] |
| 3367 | $E_6 + A_{11} + A_1$ | [1], [3] |
| 3368 | $E_6 + A_{10} + A_2$ | [1] |
| 3369 | $E_6 + A_{10} + 2A_1$ | [1] |
| 3370 | $E_6 + A_9 + A_3$ | [1] |
| 3371 | $E_6 + A_9 + A_2 + A_1$ | [1] |
| 3372 | $E_6 + A_9 + 3A_1$ | empty |
| 3373 | $E_6 + A_8 + A_4$ | [1] |
| 3374 | $E_6 + A_8 + A_3 + A_1$ | [1] |
| 3375 | $E_6 + A_8 + 2A_2$ | [3] |
| 3376 | $E_6 + A_8 + A_2 + 2A_1$ | [3] |
| 3377 | $E_6 + A_7 + A_5$ | [1] |
| 3378 | $E_6 + A_7 + A_4 + A_1$ | [1] |
| 3379 | $E_6 + A_7 + A_3 + A_2$ | empty |
| 3380 | $E_6 + A_7 + A_3 + 2A_1$ | empty |
| 3381 | $E_6 + A_7 + 2A_2 + A_1$ | empty |
| 3382 | $E_6 + 2A_6$ | empty |
| 3383 | $E_6 + A_6 + A_5 + A_1$ | [1] |
| 3384 | $E_6 + A_6 + A_4 + A_2$ | [1] |
| 3385 | $E_6 + A_6 + A_4 + 2A_1$ | [1] |
| 3386 | $E_6 + A_6 + 2A_3$ | empty |
| 3387 | $E_6 + A_6 + A_3 + A_2 + A_1$ | [1] |
| 3388 | $E_6 + A_6 + 3A_2$ | empty |
| 3389 | $E_6 + 2A_5 + A_2$ | [3] |
| 3390 | $E_6 + 2A_5 + 2A_1$ | empty |
| 3391 | $E_6 + A_5 + A_4 + A_3$ | [1] |
| 3392 | $E_6 + A_5 + A_4 + A_2 + A_1$ | empty |
| 3393 | $E_6 + A_5 + 2A_3 + A_1$ | empty |
| 3394 | $E_6 + A_5 + A_3 + 2A_2$ | [3] |
| 3395 | $E_6 + 3A_4$ | empty |
| 3396 | $E_6 + 2A_4 + A_3 + A_1$ | [1] |
| 3397 | $E_6 + 2A_4 + 2A_2$ | empty |
| 3398 | $E_6 + A_4 + 2A_3 + A_2$ | empty |
| 3399 | $E_6 + 4A_3$ | empty |
| 3400 | D_{18} | [1] |
| 3401 | $D_{17} + A_1$ | [1] |
| 3402 | $D_{16} + A_2$ | [2] |
| 3403 | $D_{16} + 2A_1$ | [2] |
| 3404 | $D_{15} + A_3$ | empty |
| 3405 | $D_{15} + A_2 + A_1$ | [1] |
| 3406 | $D_{15} + 3A_1$ | empty |
| 3407 | $D_{14} + D_4$ | empty |
| 3408 | $D_{14} + A_4$ | [1] |
| 3409 | $D_{14} + A_3 + A_1$ | [2] |
| 3410 | $D_{14} + 2A_2$ | [1] |
| 3411 | $D_{14} + A_2 + 2A_1$ | [2] |
| 3412 | $D_{14} + 4A_1$ | empty |
| 3413 | $D_{13} + D_5$ | [1] |
| 3414 | $D_{13} + D_4 + A_1$ | empty |
| 3415 | $D_{13} + A_5$ | [1] |
| 3416 | $D_{13} + A_4 + A_1$ | [1] |
| 3417 | $D_{13} + A_3 + A_2$ | empty |
| 3418 | $D_{13} + A_3 + 2A_1$ | empty |
| 3419 | $D_{13} + 2A_2 + A_1$ | empty |
| 3420 | $D_{13} + A_2 + 3A_1$ | empty |
| 3421 | $D_{12} + D_6$ | [2] |
| 3422 | $D_{12} + D_5 + A_1$ | [2] |
| 3423 | $D_{12} + D_4 + A_2$ | empty |
| 3424 | $D_{12} + D_4 + 2A_1$ | empty |
| 3425 | $D_{12} + A_6$ | empty |
| 3426 | $D_{12} + A_5 + A_1$ | empty |
| 3427 | $D_{12} + A_4 + A_2$ | empty |
| 3428 | $D_{12} + A_4 + 2A_1$ | [2] |
| 3429 | $D_{12} + 2A_3$ | empty |
| 3430 | $D_{12} + A_3 + A_2 + A_1$ | [2] |
| 3431 | $D_{12} + A_3 + 3A_1$ | empty |
| 3432 | $D_{12} + 3A_2$ | empty |
| 3433 | $D_{12} + 2A_2 + 2A_1$ | [2] |
| 3434 | $D_{11} + D_7$ | empty |
| 3435 | $D_{11} + D_6 + A_1$ | empty |
| 3436 | $D_{11} + D_5 + A_2$ | empty |
| 3437 | $D_{11} + D_5 + 2A_1$ | empty |
| 3438 | $D_{11} + D_4 + A_3$ | empty |
| 3439 | $D_{11} + D_4 + A_2 + A_1$ | empty |
| 3440 | $D_{11} + A_7$ | empty |
| 3441 | $D_{11} + A_6 + A_1$ | [1] |
| 3442 | $D_{11} + A_5 + A_2$ | [1] |
| 3443 | $D_{11} + A_5 + 2A_1$ | empty |
| 3444 | $D_{11} + A_4 + A_3$ | empty |

Table 1 (rank 18)

| | | |
|------|-------------------------------|--------|
| 3445 | $D_{11} + A_4 + A_2 + A_1$ | [1] |
| 3446 | $D_{11} + A_4 + 3A_1$ | empty |
| 3447 | $D_{11} + 2A_3 + A_1$ | empty |
| 3448 | $D_{11} + A_3 + 2A_2$ | [1] |
| 3449 | $D_{11} + A_3 + A_2 + 2A_1$ | empty |
| 3450 | $D_{11} + 3A_2 + A_1$ | empty |
| 3451 | $D_{10} + D_8$ | empty |
| 3452 | $D_{10} + D_7 + A_1$ | [2] |
| 3453 | $D_{10} + D_6 + A_2$ | [2] |
| 3454 | $D_{10} + D_6 + 2A_1$ | empty |
| 3455 | $D_{10} + D_5 + A_3$ | empty |
| 3456 | $D_{10} + D_5 + A_2 + A_1$ | [2] |
| 3457 | $D_{10} + 2D_4$ | empty |
| 3458 | $D_{10} + D_4 + A_4$ | empty |
| 3459 | $D_{10} + D_4 + A_3 + A_1$ | empty |
| 3460 | $D_{10} + D_4 + 2A_2$ | empty |
| 3461 | $D_{10} + A_8$ | [1] |
| 3462 | $D_{10} + A_7 + A_1$ | empty |
| 3463 | $D_{10} + A_6 + A_2$ | [1] |
| 3464 | $D_{10} + A_6 + 2A_1$ | empty |
| 3465 | $D_{10} + A_5 + A_3$ | [2] |
| 3466 | $D_{10} + A_5 + A_2 + A_1$ | empty |
| 3467 | $D_{10} + A_5 + 3A_1$ | [2, 2] |
| 3468 | $D_{10} + 2A_4$ | [1] |
| 3469 | $D_{10} + A_4 + A_3 + A_1$ | [2] |
| 3470 | $D_{10} + A_4 + 2A_2$ | empty |
| 3471 | $D_{10} + A_4 + A_2 + 2A_1$ | empty |
| 3472 | $D_{10} + 2A_3 + A_2$ | empty |
| 3473 | $D_{10} + 2A_3 + 2A_1$ | [2, 2] |
| 3474 | $D_{10} + A_3 + 2A_2 + A_1$ | empty |
| 3475 | $D_{10} + 4A_2$ | empty |
| 3476 | $2D_9$ | [1] |
| 3477 | $D_9 + D_8 + A_1$ | empty |
| 3478 | $D_9 + D_7 + A_2$ | empty |
| 3479 | $D_9 + D_7 + 2A_1$ | empty |
| 3480 | $D_9 + D_6 + A_3$ | empty |
| 3481 | $D_9 + D_6 + A_2 + A_1$ | empty |
| 3482 | $D_9 + D_5 + D_4$ | empty |
| 3483 | $D_9 + D_5 + A_4$ | [1] |
| 3484 | $D_9 + D_5 + A_3 + A_1$ | empty |
| 3485 | $D_9 + D_5 + 2A_2$ | empty |
| 3486 | $D_9 + D_4 + A_5$ | empty |
| 3487 | $D_9 + D_4 + A_4 + A_1$ | empty |
| 3488 | $D_9 + D_4 + A_3 + A_2$ | empty |
| 3489 | $D_9 + A_9$ | [1] |
| 3490 | $D_9 + A_8 + A_1$ | [1] |
| 3491 | $D_9 + A_7 + A_2$ | empty |
| 3492 | $D_9 + A_7 + 2A_1$ | [2] |
| 3493 | $D_9 + A_6 + A_3$ | empty |
| 3494 | $D_9 + A_6 + A_2 + A_1$ | [1] |
| 3495 | $D_9 + A_6 + 3A_1$ | empty |
| 3496 | $D_9 + A_5 + A_4$ | [1] |
| 3497 | $D_9 + A_5 + A_3 + A_1$ | [2] |
| 3498 | $D_9 + A_5 + 2A_2$ | empty |
| 3499 | $D_9 + A_5 + A_2 + 2A_1$ | empty |
| 3500 | $D_9 + 2A_4 + A_1$ | empty |
| 3501 | $D_9 + A_4 + A_3 + A_2$ | empty |
| 3502 | $D_9 + A_4 + A_3 + 2A_1$ | empty |
| 3503 | $D_9 + A_4 + 2A_2 + A_1$ | [1] |
| 3504 | $D_9 + 3A_3$ | empty |
| 3505 | $D_9 + 2A_3 + A_2 + A_1$ | empty |
| 3506 | $D_9 + A_3 + 3A_2$ | empty |
| 3507 | $2D_8 + A_2$ | empty |
| 3508 | $2D_8 + 2A_1$ | [2, 2] |
| 3509 | $D_8 + D_7 + A_3$ | empty |
| 3510 | $D_8 + D_7 + A_2 + A_1$ | empty |
| 3511 | $D_8 + D_6 + D_4$ | empty |
| 3512 | $D_8 + D_6 + A_4$ | empty |
| 3513 | $D_8 + D_6 + A_3 + A_1$ | [2, 2] |
| 3514 | $D_8 + D_6 + 2A_2$ | empty |
| 3515 | $D_8 + 2D_5$ | [2] |
| 3516 | $D_8 + D_5 + A_5$ | empty |
| 3517 | $D_8 + D_5 + A_4 + A_1$ | empty |
| 3518 | $D_8 + D_5 + A_3 + A_2$ | empty |
| 3519 | $D_8 + D_4 + A_6$ | empty |
| 3520 | $D_8 + D_4 + A_5 + A_1$ | empty |
| 3521 | $D_8 + D_4 + A_4 + A_2$ | empty |
| 3522 | $D_8 + D_4 + 2A_3$ | empty |
| 3523 | $D_8 + A_{10}$ | empty |
| 3524 | $D_8 + A_9 + A_1$ | [2] |
| 3525 | $D_8 + A_8 + A_2$ | empty |
| 3526 | $D_8 + A_8 + 2A_1$ | empty |
| 3527 | $D_8 + A_7 + A_3$ | empty |
| 3528 | $D_8 + A_7 + A_2 + A_1$ | [2] |
| 3529 | $D_8 + A_7 + 3A_1$ | empty |
| 3530 | $D_8 + A_6 + A_4$ | empty |
| 3531 | $D_8 + A_6 + A_3 + A_1$ | empty |
| 3532 | $D_8 + A_6 + 2A_2$ | [1] |
| 3533 | $D_8 + A_6 + A_2 + 2A_1$ | empty |
| 3534 | $D_8 + 2A_5$ | [2] |
| 3535 | $D_8 + A_5 + A_4 + A_1$ | [2] |
| 3536 | $D_8 + A_5 + A_3 + A_2$ | empty |
| 3537 | $D_8 + A_5 + A_3 + 2A_1$ | [2, 2] |
| 3538 | $D_8 + A_5 + 2A_2 + A_1$ | empty |
| 3539 | $D_8 + 2A_4 + A_2$ | empty |
| 3540 | $D_8 + 2A_4 + 2A_1$ | empty |
| 3541 | $D_8 + A_4 + 2A_3$ | empty |
| 3542 | $D_8 + A_4 + A_3 + A_2 + A_1$ | empty |
| 3543 | $D_8 + A_4 + 3A_2$ | empty |
| 3544 | $D_8 + 3A_3 + A_1$ | empty |
| 3545 | $D_8 + 2A_3 + 2A_2$ | [2] |
| 3546 | $2D_7 + D_4$ | empty |
| 3547 | $2D_7 + A_4$ | empty |
| 3548 | $2D_7 + A_3 + A_1$ | empty |
| 3549 | $2D_7 + 2A_2$ | [1] |
| 3550 | $D_7 + D_6 + D_5$ | empty |
| 3551 | $D_7 + D_6 + A_5$ | [2] |
| 3552 | $D_7 + D_6 + A_4 + A_1$ | empty |
| 3553 | $D_7 + D_6 + A_3 + A_2$ | empty |
| 3554 | $D_7 + D_5 + A_6$ | empty |
| 3555 | $D_7 + D_5 + A_5 + A_1$ | [2] |
| 3556 | $D_7 + D_5 + A_4 + A_2$ | empty |
| 3557 | $D_7 + D_5 + 2A_3$ | empty |
| 3558 | $D_7 + D_4 + A_7$ | empty |
| 3559 | $D_7 + D_4 + A_6 + A_1$ | empty |
| 3560 | $D_7 + D_4 + A_5 + A_2$ | empty |
| 3561 | $D_7 + D_4 + A_4 + A_3$ | empty |
| 3562 | $D_7 + A_{11}$ | [4] |
| 3563 | $D_7 + A_{10} + A_1$ | [1] |
| 3564 | $D_7 + A_9 + A_2$ | [1] |

Table 1 (rank 18)

| | | |
|------|-------------------------------|--------|
| 3565 | $D_7 + A_9 + 2A_1$ | [2] |
| 3566 | $D_7 + A_8 + A_3$ | empty |
| 3567 | $D_7 + A_8 + A_2 + A_1$ | empty |
| 3568 | $D_7 + A_8 + 3A_1$ | empty |
| 3569 | $D_7 + A_7 + A_4$ | empty |
| 3570 | $D_7 + A_7 + A_3 + A_1$ | [4] |
| 3571 | $D_7 + A_7 + 2A_2$ | empty |
| 3572 | $D_7 + A_7 + A_2 + 2A_1$ | [2] |
| 3573 | $D_7 + A_6 + A_5$ | [1] |
| 3574 | $D_7 + A_6 + A_4 + A_1$ | [1] |
| 3575 | $D_7 + A_6 + A_3 + A_2$ | [1] |
| 3576 | $D_7 + A_6 + A_3 + 2A_1$ | empty |
| 3577 | $D_7 + A_6 + 2A_2 + A_1$ | empty |
| 3578 | $D_7 + 2A_5 + A_1$ | empty |
| 3579 | $D_7 + A_5 + A_4 + A_2$ | empty |
| 3580 | $D_7 + A_5 + A_4 + 2A_1$ | empty |
| 3581 | $D_7 + A_5 + 2A_3$ | empty |
| 3582 | $D_7 + A_5 + A_3 + A_2 + A_1$ | empty |
| 3583 | $D_7 + A_5 + 3A_2$ | empty |
| 3584 | $D_7 + 2A_4 + A_3$ | empty |
| 3585 | $D_7 + 2A_4 + A_2 + A_1$ | [1] |
| 3586 | $D_7 + A_4 + 2A_3 + A_1$ | empty |
| 3587 | $D_7 + A_4 + A_3 + 2A_2$ | empty |
| 3588 | $D_7 + 3A_3 + A_2$ | [4] |
| 3589 | $3D_6$ | [2, 2] |
| 3590 | $2D_6 + A_6$ | empty |
| 3591 | $2D_6 + A_5 + A_1$ | empty |
| 3592 | $2D_6 + A_4 + A_2$ | empty |
| 3593 | $2D_6 + 2A_3$ | [2, 2] |
| 3594 | $D_6 + D_5 + A_7$ | [2] |
| 3595 | $D_6 + D_5 + A_6 + A_1$ | empty |
| 3596 | $D_6 + D_5 + A_5 + A_2$ | [2] |
| 3597 | $D_6 + D_5 + A_4 + A_3$ | empty |
| 3598 | $D_6 + D_4 + A_8$ | empty |
| 3599 | $D_6 + D_4 + A_7 + A_1$ | empty |
| 3600 | $D_6 + D_4 + A_6 + A_2$ | empty |
| 3601 | $D_6 + D_4 + A_5 + A_3$ | empty |
| 3602 | $D_6 + D_4 + 2A_4$ | empty |
| 3603 | $D_6 + A_{12}$ | [1] |
| 3604 | $D_6 + A_{11} + A_1$ | [2] |
| 3605 | $D_6 + A_{10} + A_2$ | [1] |
| 3606 | $D_6 + A_{10} + 2A_1$ | empty |
| 3607 | $D_6 + A_9 + A_3$ | [2] |
| 3608 | $D_6 + A_9 + A_2 + A_1$ | [2] |
| 3609 | $D_6 + A_9 + 3A_1$ | empty |
| 3610 | $D_6 + A_8 + A_4$ | [1] |
| 3611 | $D_6 + A_8 + A_3 + A_1$ | empty |
| 3612 | $D_6 + A_8 + 2A_2$ | empty |
| 3613 | $D_6 + A_8 + A_2 + 2A_1$ | empty |
| 3614 | $D_6 + A_7 + A_5$ | empty |
| 3615 | $D_6 + A_7 + A_4 + A_1$ | [2] |
| 3616 | $D_6 + A_7 + A_3 + A_2$ | [2] |
| 3617 | $D_6 + A_7 + A_3 + 2A_1$ | empty |
| 3618 | $D_6 + A_7 + 2A_2 + A_1$ | [2] |
| 3619 | $D_6 + 2A_6$ | [1] |
| 3620 | $D_6 + A_6 + A_5 + A_1$ | empty |
| 3621 | $D_6 + A_6 + A_4 + A_2$ | [1] |
| 3622 | $D_6 + A_6 + A_4 + 2A_1$ | empty |
| 3623 | $D_6 + A_6 + 2A_3$ | empty |
| 3624 | $D_6 + A_6 + A_3 + A_2 + A_1$ | empty |
| 3625 | $D_6 + A_6 + 3A_2$ | empty |
| 3626 | $D_6 + 2A_5 + A_2$ | empty |
| 3627 | $D_6 + 2A_5 + 2A_1$ | [2, 2] |
| 3628 | $D_6 + A_5 + A_4 + A_3$ | [2] |
| 3629 | $D_6 + A_5 + A_4 + A_2 + A_1$ | empty |
| 3630 | $D_6 + A_5 + 2A_3 + A_1$ | [2, 2] |
| 3631 | $D_6 + A_5 + A_3 + 2A_2$ | empty |
| 3632 | $D_6 + 3A_4$ | empty |
| 3633 | $D_6 + 2A_4 + A_3 + A_1$ | empty |
| 3634 | $D_6 + 2A_4 + 2A_2$ | [1] |
| 3635 | $D_6 + A_4 + 2A_3 + A_2$ | empty |
| 3636 | $D_6 + 4A_3$ | empty |
| 3637 | $2D_5 + A_8$ | [1] |
| 3638 | $2D_5 + A_7 + A_1$ | [4] |
| 3639 | $2D_5 + A_6 + A_2$ | empty |
| 3640 | $2D_5 + A_5 + A_3$ | empty |
| 3641 | $2D_5 + 2A_4$ | [1] |
| 3642 | $D_5 + D_4 + A_9$ | empty |
| 3643 | $D_5 + D_4 + A_8 + A_1$ | empty |
| 3644 | $D_5 + D_4 + A_7 + A_2$ | empty |
| 3645 | $D_5 + D_4 + A_6 + A_3$ | empty |
| 3646 | $D_5 + D_4 + A_5 + A_4$ | empty |
| 3647 | $D_5 + A_{13}$ | [1] |
| 3648 | $D_5 + A_{12} + A_1$ | [1] |
| 3649 | $D_5 + A_{11} + A_2$ | [2] |
| 3650 | $D_5 + A_{11} + 2A_1$ | [4] |
| 3651 | $D_5 + A_{10} + A_3$ | empty |
| 3652 | $D_5 + A_{10} + A_2 + A_1$ | [1] |
| 3653 | $D_5 + A_{10} + 3A_1$ | empty |
| 3654 | $D_5 + A_9 + A_4$ | [1] |
| 3655 | $D_5 + A_9 + A_3 + A_1$ | [2] |
| 3656 | $D_5 + A_9 + 2A_2$ | [1] |
| 3657 | $D_5 + A_9 + A_2 + 2A_1$ | [2] |
| 3658 | $D_5 + A_8 + A_5$ | [1] |
| 3659 | $D_5 + A_8 + A_4 + A_1$ | [1] |
| 3660 | $D_5 + A_8 + A_3 + A_2$ | empty |
| 3661 | $D_5 + A_8 + A_3 + 2A_1$ | empty |
| 3662 | $D_5 + A_8 + 2A_2 + A_1$ | empty |
| 3663 | $D_5 + A_7 + A_6$ | empty |
| 3664 | $D_5 + A_7 + A_5 + A_1$ | empty |
| 3665 | $D_5 + A_7 + A_4 + A_2$ | empty |
| 3666 | $D_5 + A_7 + A_4 + 2A_1$ | [2] |
| 3667 | $D_5 + A_7 + 2A_3$ | empty |
| 3668 | $D_5 + A_7 + A_3 + A_2 + A_1$ | [4] |
| 3669 | $D_5 + A_7 + 3A_2$ | empty |
| 3670 | $D_5 + 2A_6 + A_1$ | [1] |
| 3671 | $D_5 + A_6 + A_5 + A_2$ | [1] |
| 3672 | $D_5 + A_6 + A_5 + 2A_1$ | empty |
| 3673 | $D_5 + A_6 + A_4 + A_3$ | empty |
| 3674 | $D_5 + A_6 + A_4 + A_2 + A_1$ | [1] |
| 3675 | $D_5 + A_6 + 2A_3 + A_1$ | empty |
| 3676 | $D_5 + A_6 + A_3 + 2A_2$ | [1] |
| 3677 | $D_5 + 2A_5 + A_3$ | [2] |
| 3678 | $D_5 + 2A_5 + A_2 + A_1$ | empty |
| 3679 | $D_5 + A_5 + 2A_4$ | [1] |
| 3680 | $D_5 + A_5 + A_4 + A_3 + A_1$ | [2] |
| 3681 | $D_5 + A_5 + A_4 + 2A_2$ | empty |
| 3682 | $D_5 + A_5 + 2A_3 + A_2$ | empty |
| 3683 | $D_5 + 3A_4 + A_1$ | empty |
| 3684 | $D_5 + 2A_4 + A_3 + A_2$ | empty |

Table 1 (rank 18)

| | | |
|------|-------------------------------|-----------|
| 3685 | $D_5 + A_4 + 3A_3$ | empty |
| 3686 | $2D_4 + A_{10}$ | empty |
| 3687 | $2D_4 + A_9 + A_1$ | empty |
| 3688 | $2D_4 + A_8 + A_2$ | empty |
| 3689 | $2D_4 + A_7 + A_3$ | empty |
| 3690 | $2D_4 + A_6 + A_4$ | empty |
| 3691 | $2D_4 + 2A_5$ | empty |
| 3692 | $D_4 + A_{14}$ | empty |
| 3693 | $D_4 + A_{13} + A_1$ | empty |
| 3694 | $D_4 + A_{12} + A_2$ | empty |
| 3695 | $D_4 + A_{12} + 2A_1$ | empty |
| 3696 | $D_4 + A_{11} + A_3$ | empty |
| 3697 | $D_4 + A_{11} + A_2 + A_1$ | empty |
| 3698 | $D_4 + A_{11} + 3A_1$ | empty |
| 3699 | $D_4 + A_{10} + A_4$ | empty |
| 3700 | $D_4 + A_{10} + A_3 + A_1$ | empty |
| 3701 | $D_4 + A_{10} + 2A_2$ | empty |
| 3702 | $D_4 + A_{10} + A_2 + 2A_1$ | empty |
| 3703 | $D_4 + A_9 + A_5$ | empty |
| 3704 | $D_4 + A_9 + A_4 + A_1$ | empty |
| 3705 | $D_4 + A_9 + A_3 + A_2$ | empty |
| 3706 | $D_4 + A_9 + A_3 + 2A_1$ | empty |
| 3707 | $D_4 + A_9 + 2A_2 + A_1$ | empty |
| 3708 | $D_4 + A_8 + A_6$ | empty |
| 3709 | $D_4 + A_8 + A_5 + A_1$ | empty |
| 3710 | $D_4 + A_8 + A_4 + A_2$ | empty |
| 3711 | $D_4 + A_8 + A_4 + 2A_1$ | empty |
| 3712 | $D_4 + A_8 + 2A_3$ | empty |
| 3713 | $D_4 + A_8 + A_3 + A_2 + A_1$ | empty |
| 3714 | $D_4 + A_8 + 3A_2$ | empty |
| 3715 | $D_4 + 2A_7$ | empty |
| 3716 | $D_4 + A_7 + A_6 + A_1$ | empty |
| 3717 | $D_4 + A_7 + A_5 + A_2$ | empty |
| 3718 | $D_4 + A_7 + A_5 + 2A_1$ | empty |
| 3719 | $D_4 + A_7 + A_4 + A_3$ | empty |
| 3720 | $D_4 + A_7 + A_4 + A_2 + A_1$ | empty |
| 3721 | $D_4 + A_7 + 2A_3 + A_1$ | empty |
| 3722 | $D_4 + A_7 + A_3 + 2A_2$ | empty |
| 3723 | $D_4 + 2A_6 + A_2$ | empty |
| 3724 | $D_4 + 2A_6 + 2A_1$ | empty |
| 3725 | $D_4 + A_6 + A_5 + A_3$ | empty |
| 3726 | $D_4 + A_6 + A_5 + A_2 + A_1$ | empty |
| 3727 | $D_4 + A_6 + 2A_4$ | empty |
| 3728 | $D_4 + A_6 + A_4 + A_3 + A_1$ | empty |
| 3729 | $D_4 + A_6 + A_4 + 2A_2$ | empty |
| 3730 | $D_4 + A_6 + 2A_3 + A_2$ | empty |
| 3731 | $D_4 + 2A_5 + A_4$ | empty |
| 3732 | $D_4 + 2A_5 + A_3 + A_1$ | empty |
| 3733 | $D_4 + 2A_5 + 2A_2$ | empty |
| 3734 | $D_4 + A_5 + 2A_4 + A_1$ | empty |
| 3735 | $D_4 + A_5 + A_4 + A_3 + A_2$ | empty |
| 3736 | $D_4 + A_5 + 3A_3$ | empty |
| 3737 | $D_4 + 3A_4 + A_2$ | empty |
| 3738 | $D_4 + 2A_4 + 2A_3$ | empty |
| 3739 | A_{18} | [1] |
| 3740 | $A_{17} + A_1$ | [1] , [3] |
| 3741 | $A_{16} + A_2$ | [1] |
| 3742 | $A_{16} + 2A_1$ | [1] |
| 3743 | $A_{15} + A_3$ | [4] |
| 3744 | $A_{15} + A_2 + A_1$ | [1] , [2] |
| 3745 | $A_{15} + 3A_1$ | [4] |
| 3746 | $A_{14} + A_4$ | [1] |
| 3747 | $A_{14} + A_3 + A_1$ | [1] |
| 3748 | $A_{14} + 2A_2$ | [3] |
| 3749 | $A_{14} + A_2 + 2A_1$ | [1] , [3] |
| 3750 | $A_{14} + 4A_1$ | empty |
| 3751 | $A_{13} + A_5$ | [1] |
| 3752 | $A_{13} + A_4 + A_1$ | [1] , [2] |
| 3753 | $A_{13} + A_3 + A_2$ | [1] |
| 3754 | $A_{13} + A_3 + 2A_1$ | [2] |
| 3755 | $A_{13} + 2A_2 + A_1$ | [1] , [2] |
| 3756 | $A_{13} + A_2 + 3A_1$ | [2] |
| 3757 | $A_{13} + 5A_1$ | empty |
| 3758 | $A_{12} + A_6$ | [1] |
| 3759 | $A_{12} + A_5 + A_1$ | [1] |
| 3760 | $A_{12} + A_4 + A_2$ | [1] |
| 3761 | $A_{12} + A_4 + 2A_1$ | [1] |
| 3762 | $A_{12} + 2A_3$ | empty |
| 3763 | $A_{12} + A_3 + A_2 + A_1$ | [1] |
| 3764 | $A_{12} + A_3 + 3A_1$ | empty |
| 3765 | $A_{12} + 3A_2$ | empty |
| 3766 | $A_{12} + 2A_2 + 2A_1$ | [1] |
| 3767 | $A_{12} + A_2 + 4A_1$ | empty |
| 3768 | $A_{11} + A_7$ | empty |
| 3769 | $A_{11} + A_6 + A_1$ | [1] |
| 3770 | $A_{11} + A_5 + A_2$ | [3] |
| 3771 | $A_{11} + A_5 + 2A_1$ | [2] , [6] |
| 3772 | $A_{11} + A_4 + A_3$ | empty |
| 3773 | $A_{11} + A_4 + A_2 + A_1$ | [1] |
| 3774 | $A_{11} + A_4 + 3A_1$ | [2] |
| 3775 | $A_{11} + 2A_3 + A_1$ | [4] |
| 3776 | $A_{11} + A_3 + 2A_2$ | [3] , [6] |
| 3777 | $A_{11} + A_3 + A_2 + 2A_1$ | [2] , [4] |
| 3778 | $A_{11} + A_3 + 4A_1$ | empty |
| 3779 | $A_{11} + 3A_2 + A_1$ | [3] |
| 3780 | $A_{11} + 2A_2 + 3A_1$ | [6] |
| 3781 | $A_{10} + A_8$ | [1] |
| 3782 | $A_{10} + A_7 + A_1$ | [1] |
| 3783 | $A_{10} + A_6 + A_2$ | [1] |
| 3784 | $A_{10} + A_6 + 2A_1$ | [1] |
| 3785 | $A_{10} + A_5 + A_3$ | [1] |
| 3786 | $A_{10} + A_5 + A_2 + A_1$ | [1] |
| 3787 | $A_{10} + A_5 + 3A_1$ | empty |
| 3788 | $A_{10} + 2A_4$ | [1] |
| 3789 | $A_{10} + A_4 + A_3 + A_1$ | [1] |
| 3790 | $A_{10} + A_4 + 2A_2$ | [1] |
| 3791 | $A_{10} + A_4 + A_2 + 2A_1$ | [1] |
| 3792 | $A_{10} + A_4 + 4A_1$ | empty |
| 3793 | $A_{10} + 2A_3 + A_2$ | [1] |
| 3794 | $A_{10} + 2A_3 + 2A_1$ | empty |
| 3795 | $A_{10} + A_3 + 2A_2 + A_1$ | [1] |
| 3796 | $A_{10} + A_3 + A_2 + 3A_1$ | empty |
| 3797 | $A_{10} + 4A_2$ | empty |
| 3798 | $A_{10} + 3A_2 + 2A_1$ | empty |
| 3799 | $2A_9$ | [1] , [5] |
| 3800 | $A_9 + A_8 + A_1$ | [1] |
| 3801 | $A_9 + A_7 + A_2$ | [1] |
| 3802 | $A_9 + A_7 + 2A_1$ | empty |
| 3803 | $A_9 + A_6 + A_3$ | [1] |
| 3804 | $A_9 + A_6 + A_2 + A_1$ | [1] |

Table 1 (rank 18)

| | | |
|------|--------------------------------|-----------|
| 3805 | $A_9 + A_6 + 3A_1$ | [2] |
| 3806 | $A_9 + A_5 + A_4$ | [1] , [2] |
| 3807 | $A_9 + A_5 + A_3 + A_1$ | [2] |
| 3808 | $A_9 + A_5 + 2A_2$ | empty |
| 3809 | $A_9 + A_5 + A_2 + 2A_1$ | [2] |
| 3810 | $A_9 + A_5 + 4A_1$ | empty |
| 3811 | $A_9 + 2A_4 + A_1$ | [5] |
| 3812 | $A_9 + A_4 + A_3 + A_2$ | empty |
| 3813 | $A_9 + A_4 + A_3 + 2A_1$ | [2] |
| 3814 | $A_9 + A_4 + 2A_2 + A_1$ | empty |
| 3815 | $A_9 + A_4 + A_2 + 3A_1$ | [2] |
| 3816 | $A_9 + 3A_3$ | empty |
| 3817 | $A_9 + 2A_3 + A_2 + A_1$ | [2] |
| 3818 | $A_9 + 2A_3 + 3A_1$ | empty |
| 3819 | $A_9 + A_3 + 3A_2$ | empty |
| 3820 | $A_9 + A_3 + 2A_2 + 2A_1$ | [2] |
| 3821 | $A_9 + 4A_2 + A_1$ | empty |
| 3822 | $2A_8 + A_2$ | empty |
| 3823 | $2A_8 + 2A_1$ | [1] , [3] |
| 3824 | $A_8 + A_7 + A_3$ | empty |
| 3825 | $A_8 + A_7 + A_2 + A_1$ | [1] |
| 3826 | $A_8 + A_7 + 3A_1$ | empty |
| 3827 | $A_8 + A_6 + A_4$ | [1] |
| 3828 | $A_8 + A_6 + A_3 + A_1$ | [1] |
| 3829 | $A_8 + A_6 + 2A_2$ | empty |
| 3830 | $A_8 + A_6 + A_2 + 2A_1$ | [1] |
| 3831 | $A_8 + A_6 + 4A_1$ | empty |
| 3832 | $A_8 + 2A_5$ | empty |
| 3833 | $A_8 + A_5 + A_4 + A_1$ | [1] |
| 3834 | $A_8 + A_5 + A_3 + A_2$ | [3] |
| 3835 | $A_8 + A_5 + A_3 + 2A_1$ | empty |
| 3836 | $A_8 + A_5 + 2A_2 + A_1$ | [3] |
| 3837 | $A_8 + A_5 + A_2 + 3A_1$ | empty |
| 3838 | $A_8 + 2A_4 + A_2$ | empty |
| 3839 | $A_8 + 2A_4 + 2A_1$ | [1] |
| 3840 | $A_8 + A_4 + 2A_3$ | empty |
| 3841 | $A_8 + A_4 + A_3 + A_2 + A_1$ | [1] |
| 3842 | $A_8 + A_4 + A_3 + 3A_1$ | empty |
| 3843 | $A_8 + A_4 + 3A_2$ | [3] |
| 3844 | $A_8 + A_4 + 2A_2 + 2A_1$ | empty |
| 3845 | $A_8 + 3A_3 + A_1$ | empty |
| 3846 | $A_8 + 2A_3 + 2A_2$ | empty |
| 3847 | $A_8 + 2A_3 + A_2 + 2A_1$ | empty |
| 3848 | $A_8 + A_3 + 3A_2 + A_1$ | [3] |
| 3849 | $A_8 + 5A_2$ | empty |
| 3850 | $2A_7 + A_4$ | empty |
| 3851 | $2A_7 + A_3 + A_1$ | [8] |
| 3852 | $2A_7 + 2A_2$ | [1] , [2] |
| 3853 | $2A_7 + A_2 + 2A_1$ | empty |
| 3854 | $2A_7 + 4A_1$ | [4, 2] |
| 3855 | $A_7 + A_6 + A_5$ | [1] |
| 3856 | $A_7 + A_6 + A_4 + A_1$ | [1] |
| 3857 | $A_7 + A_6 + A_3 + A_2$ | [1] |
| 3858 | $A_7 + A_6 + A_3 + 2A_1$ | [2] |
| 3859 | $A_7 + A_6 + 2A_2 + A_1$ | [1] |
| 3860 | $A_7 + A_6 + A_2 + 3A_1$ | empty |
| 3861 | $A_7 + 2A_5 + A_1$ | [2] |
| 3862 | $A_7 + A_5 + A_4 + A_2$ | [1] |
| 3863 | $A_7 + A_5 + A_4 + 2A_1$ | [2] |
| 3864 | $A_7 + A_5 + 2A_3$ | empty |
| 3865 | $A_7 + A_5 + A_3 + A_2 + A_1$ | [2] |
| 3866 | $A_7 + A_5 + A_3 + 3A_1$ | [2, 2] |
| 3867 | $A_7 + A_5 + 3A_2$ | empty |
| 3868 | $A_7 + A_5 + 2A_2 + 2A_1$ | empty |
| 3869 | $A_7 + 2A_4 + A_3$ | empty |
| 3870 | $A_7 + 2A_4 + A_2 + A_1$ | empty |
| 3871 | $A_7 + 2A_4 + 3A_1$ | empty |
| 3872 | $A_7 + A_4 + 2A_3 + A_1$ | empty |
| 3873 | $A_7 + A_4 + A_3 + 2A_2$ | [1] |
| 3874 | $A_7 + A_4 + A_3 + A_2 + 2A_1$ | [2] |
| 3875 | $A_7 + A_4 + 3A_2 + A_1$ | empty |
| 3876 | $A_7 + 3A_3 + A_2$ | [4] |
| 3877 | $A_7 + 3A_3 + 2A_1$ | [4, 2] |
| 3878 | $A_7 + 2A_3 + 2A_2 + A_1$ | empty |
| 3879 | $A_7 + A_3 + 4A_2$ | empty |
| 3880 | $3A_6$ | [7] |
| 3881 | $2A_6 + A_5 + A_1$ | empty |
| 3882 | $2A_6 + A_4 + A_2$ | [1] |
| 3883 | $2A_6 + A_4 + 2A_1$ | empty |
| 3884 | $2A_6 + 2A_3$ | [1] |
| 3885 | $2A_6 + A_3 + A_2 + A_1$ | empty |
| 3886 | $2A_6 + A_3 + 3A_1$ | empty |
| 3887 | $2A_6 + 3A_2$ | empty |
| 3888 | $2A_6 + 2A_2 + 2A_1$ | [1] |
| 3889 | $A_6 + 2A_5 + A_2$ | empty |
| 3890 | $A_6 + 2A_5 + 2A_1$ | [2] |
| 3891 | $A_6 + A_5 + A_4 + A_3$ | [1] |
| 3892 | $A_6 + A_5 + A_4 + A_2 + A_1$ | [1] |
| 3893 | $A_6 + A_5 + A_4 + 3A_1$ | empty |
| 3894 | $A_6 + A_5 + 2A_3 + A_1$ | [2] |
| 3895 | $A_6 + A_5 + A_3 + 2A_2$ | empty |
| 3896 | $A_6 + A_5 + A_3 + A_2 + 2A_1$ | empty |
| 3897 | $A_6 + A_5 + 3A_2 + A_1$ | empty |
| 3898 | $A_6 + 3A_4$ | empty |
| 3899 | $A_6 + 2A_4 + A_3 + A_1$ | [1] |
| 3900 | $A_6 + 2A_4 + 2A_2$ | empty |
| 3901 | $A_6 + 2A_4 + A_2 + 2A_1$ | [1] |
| 3902 | $A_6 + A_4 + 2A_3 + A_2$ | [1] |
| 3903 | $A_6 + A_4 + 2A_3 + 2A_1$ | empty |
| 3904 | $A_6 + A_4 + A_3 + 2A_2 + A_1$ | [1] |
| 3905 | $A_6 + A_4 + 4A_2$ | empty |
| 3906 | $A_6 + 4A_3$ | empty |
| 3907 | $A_6 + 3A_3 + A_2 + A_1$ | empty |
| 3908 | $A_6 + 2A_3 + 3A_2$ | empty |
| 3909 | $3A_5 + A_3$ | [6] |
| 3910 | $3A_5 + A_2 + A_1$ | empty |
| 3911 | $3A_5 + 3A_1$ | [6, 2] |
| 3912 | $2A_5 + 2A_4$ | [1] |
| 3913 | $2A_5 + A_4 + A_3 + A_1$ | [2] |
| 3914 | $2A_5 + A_4 + 2A_2$ | [3] |
| 3915 | $2A_5 + A_4 + A_2 + 2A_1$ | empty |
| 3916 | $2A_5 + 2A_3 + A_2$ | empty |
| 3917 | $2A_5 + 2A_3 + 2A_1$ | [2, 2] |
| 3918 | $2A_5 + A_3 + 2A_2 + A_1$ | [6] |
| 3919 | $2A_5 + 4A_2$ | [3, 3] |
| 3920 | $A_5 + 3A_4 + A_1$ | empty |
| 3921 | $A_5 + 2A_4 + A_3 + A_2$ | empty |
| 3922 | $A_5 + 2A_4 + A_3 + 2A_1$ | empty |
| 3923 | $A_5 + 2A_4 + 2A_2 + A_1$ | empty |
| 3924 | $A_5 + A_4 + 3A_3$ | empty |

Table 1 (rank 18)

| | | |
|------|--------------------------------|--------|
| 3925 | $A_5 + A_4 + 2A_3 + A_2 + A_1$ | [2] |
| 3926 | $A_5 + A_4 + A_3 + 3A_2$ | empty |
| 3927 | $A_5 + 4A_3 + A_1$ | empty |
| 3928 | $A_5 + 3A_3 + 2A_2$ | empty |
| 3929 | $4A_4 + A_2$ | empty |
| 3930 | $4A_4 + 2A_1$ | [5] |
| 3931 | $3A_4 + 2A_3$ | empty |
| 3932 | $3A_4 + A_3 + A_2 + A_1$ | empty |
| 3933 | $3A_4 + 3A_2$ | empty |
| 3934 | $2A_4 + 3A_3 + A_1$ | empty |
| 3935 | $2A_4 + 2A_3 + 2A_2$ | [1] |
| 3936 | $A_4 + 4A_3 + A_2$ | empty |
| 3937 | $6A_3$ | [4, 4] |

Table 2

| |
|---|
| $G = \mathbb{Z}/(3)$ |
| $3E_6, 2E_6 + A_5 + A_1, 2E_6 + A_5, 2E_6 + 2A_2 + A_1, 2E_6 + 2A_2, E_6 + A_{11} + A_1, E_6 + A_{11}, E_6 + A_8 + 2A_2, E_6 + A_8 + A_2 + 2A_1, E_6 + A_8 + A_2 + A_1, E_6 + A_8 + A_2, E_6 + 2A_5 + A_2, E_6 + 2A_5 + A_1, E_6 + 2A_5, E_6 + A_5 + A_3 + 2A_2, E_6 + A_5 + 3A_2, E_6 + A_5 + 2A_2 + 2A_1, E_6 + A_5 + 2A_2 + A_1, E_6 + A_5 + 2A_2, E_6 + A_3 + 4A_2, E_6 + 5A_2, E_6 + 4A_2 + 2A_1, E_6 + 4A_2 + A_1, E_6 + 4A_2, A_{17} + A_1, A_{17}, A_{14} + 2A_2, A_{14} + A_2 + 2A_1, A_{14} + A_2 + A_1, A_{14} + A_2, A_{11} + A_5 + A_2, A_{11} + A_5 + A_1, A_{11} + A_5, A_{11} + A_3 + 2A_2, A_{11} + 3A_2 + A_1, A_{11} + 3A_2, A_{11} + 2A_2 + 2A_1, A_{11} + 2A_2 + A_1, A_{11} + 2A_2, 2A_8 + 2A_1, 2A_8 + A_1, 2A_8, A_8 + A_5 + A_3 + A_2, A_8 + A_5 + 2A_2 + A_1, A_8 + A_5 + 2A_2, A_8 + A_5 + A_2 + 2A_1, A_8 + A_5 + A_2 + A_1, A_8 + A_5 + A_2, A_8 + A_4 + 3A_2, A_8 + A_3 + 3A_2 + A_1, A_8 + A_3 + 3A_2, A_8 + 4A_2 + A_1, A_8 + 4A_2, A_8 + 3A_2 + 3A_1, A_8 + 3A_2 + 2A_1, A_8 + 3A_2 + A_1, A_8 + 3A_2, 3A_5 + A_2, 3A_5 + A_1, 3A_5, 2A_5 + A_4 + 2A_2, 2A_5 + A_3 + 2A_2, 2A_5 + 3A_2 + A_1, 2A_5 + 3A_2, 2A_5 + 2A_2 + 2A_1, 2A_5 + 2A_2 + A_1, 2A_5 + 2A_2, A_5 + A_4 + 4A_2, A_5 + A_3 + 4A_2 + A_1, A_5 + A_3 + 4A_2, A_5 + 5A_2 + A_1, A_5 + 5A_2, A_5 + 4A_2 + 3A_1, A_5 + 4A_2 + 2A_1, A_5 + 4A_2 + A_1, A_5 + 4A_2, A_4 + 6A_2, A_3 + 6A_2 + A_1, A_3 + 6A_2, 7A_2 + A_1, 7A_2, 6A_2 + 3A_1, 6A_2 + 2A_1, 6A_2 + A_1, 6A_2$ |
| $G = \mathbb{Z}/(4)$ |
| $D_7 + A_{11}, D_7 + A_7 + A_3 + A_1, D_7 + A_7 + A_3, D_7 + 3A_3 + A_2, D_7 + 3A_3 + A_1, D_7 + 3A_3, 2D_5 + A_7 + A_1, 2D_5 + A_7, 2D_5 + 2A_3 + A_1, 2D_5 + 2A_3, D_5 + A_{11} + 2A_1, D_5 + A_{11} + A_1, D_5 + A_7 + A_3 + A_2 + A_1, D_5 + A_7 + A_3 + 2A_1, D_5 + A_7 + A_3 + A_1, D_5 + 3A_3 + A_2 + A_1, D_5 + 3A_3 + 2A_1, D_5 + 3A_3 + A_1, A_{15} + A_3, A_{15} + 3A_1, A_{15} + 2A_1, A_{11} + 2A_2 + A_1, A_{11} + 2A_2 + 2A_3, A_{11} + A_3 + A_2 + 2A_1, A_{11} + A_3 + 3A_1, A_{11} + A_3 + 2A_1, 2A_7 + A_3, 2A_7 + 3A_1, 2A_7 + 2A_1, A_7 + 3A_3 + A_2, A_7 + 3A_3 + A_1, A_7 + 3A_3, A_7 + 2A_3 + A_2 + 2A_1, A_7 + 2A_3 + 3A_1, A_7 + 2A_3 + 2A_1, 5A_3 + A_2, 5A_3 + A_1, 5A_3, 4A_3 + A_2 + 2A_1, 4A_3 + 3A_1, 4A_3 + 2A_1$ |
| $G = \mathbb{Z}/(5)$ |
| $2A_9, A_9 + 2A_4 + A_1, A_9 + 2A_4, 4A_4 + 2A_1, 4A_4 + A_1, 4A_4$ |
| $G = \mathbb{Z}/(6)$ |
| $A_{11} + A_5 + 2A_1, A_{11} + A_3 + 2A_2, A_{11} + 2A_2 + 3A_1, A_{11} + 2A_2 + 2A_1, 3A_5 + A_3, 3A_5 + 2A_1, 2A_5 + A_3 + 2A_2 + A_1, 2A_5 + A_3 + 2A_2, 2A_5 + 2A_2 + 3A_1, 2A_5 + 2A_2 + 2A_1$ |
| $G = \mathbb{Z}/(7)$ |
| $3A_6$ |
| $G = \mathbb{Z}/(8)$ |
| $2A_7 + A_3 + A_1$ |
| $G = \mathbb{Z}/(2) \times \mathbb{Z}/(2)$ |
| $D_{10} + A_5 + 3A_1, D_{10} + 2A_3 + 2A_1, D_{10} + A_3 + 4A_1, D_{10} + 6A_1, 2D_8 + 2A_1, D_8 + D_6 + A_3 + A_1, D_8 + D_6 + 3A_1, D_8 + D_4 + A_3 + 2A_1, D_8 + D_4 + 4A_1, D_8 + A_5 + A_3 + 2A_1, D_8 + A_5 + 4A_1, D_8 + 2A_3 + 3A_1, D_8 + A_3 + 5A_1, D_8 + 7A_1, 3D_6, 2D_6 + D_4 + A_1, 2D_6 + 2A_3, 2D_6 + A_3 + 2A_1, 2D_6 + 4A_1, D_6 + 2D_4 + 2A_1, D_6 + D_4 + 2A_3 + A_1, D_6 + D_4 + A_3 + 3A_1, D_6 + D_4 + 5A_1, D_6 + 2A_5 + 2A_1, D_6 + A_5 + 2A_3 + A_1, D_6 + A_5 + A_3 + 3A_1, D_6 + A_5 + 5A_1, D_6 + 3A_3 + 2A_1, D_6 + 2A_3 + 4A_1, D_6 + A_3 + 6A_1, D_6 + 8A_1, 4D_4 + 3A_1, 2D_4 + 2A_3 + 2A_1, 2D_4 + A_3 + 4A_1, 2D_4 + 6A_1, D_4 + 3A_3 + 3A_1, D_4 + 2A_5 + 3A_1, D_4 + A_5 + 2A_3 + 2A_1, D_4 + A_5 + A_3 + 4A_1, D_4 + A_5 + 6A_1, D_4 + 3A_3 + 3A_1, D_4 + 2A_3 + 5A_1, D_4 + A_3 + 7A_1, D_4 + 9A_1, A_7 + A_5 + A_3 + 3A_1, A_7 + A_5 + 5A_1, A_7 + 2A_3 + 4A_1, A_7 + A_3 + 6A_1, A_7 + 8A_1, 2A_5 + 2A_3 + 2A_1, 2A_5 + A_3 + 4A_1, 2A_5 + 6A_1, A_5 + 3A_3 + 3A_1, A_5 + 2A_3 + 5A_1, A_5 + A_3 + 7A_1, A_5 + 9A_1, 4A_3 + 4A_1, 3A_3 + 6A_1, 2A_3 + 8A_1, A_3 + 10A_1, 12A_1$ |
| $G = \mathbb{Z}/(4) \times \mathbb{Z}/(2)$ |
| $2A_7 + 4A_1, A_7 + 3A_3 + 2A_1, A_7 + 2A_3 + 4A_1, 5A_3 + 2A_1, 4A_3 + 4A_1$ |
| $G = \mathbb{Z}/(6) \times \mathbb{Z}/(2)$ |
| $3A_5 + 3A_1$ |
| $G = \mathbb{Z}/(3) \times \mathbb{Z}/(3)$ |
| $2A_5 + 4A_2, A_5 + 6A_2, 8A_2$ |
| $G = \mathbb{Z}/(4) \times \mathbb{Z}/(4)$ |
| $6A_3$ |