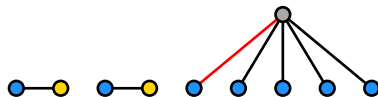


---- excess: 4    (g,n): (1, 13), (3, 10), (5, 7), (7, 4), (9, 1)    graphs: 490    ----  
 ----- edges: 10-n    graphs: 10    -----  
 --- A3 case    graphs: 10    ---

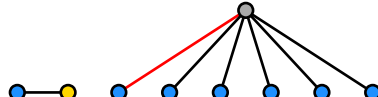
ID: 129  $V_{1^n}$   
 n: 4 1  $\mapsto$  ID 152



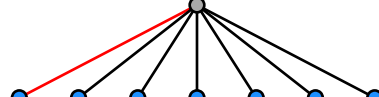
ID: 130  $V_{1^n}$   
 n: 4 1  $\mapsto$  ID 148



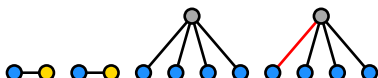
ID: 131  $V_{1^n}$   
 n: 4 1  $\mapsto$  ID 153



ID: 132  $V_{1^n}$   
 n: 4 1  $\mapsto$  ID 166



ID: 133  $V_{1^n}$   
 n: 1  $\mapsto$  ID 167



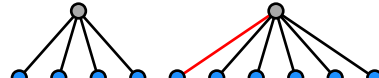
ID: 134  $V_{1^n}$   
 n: 1  $\mapsto$  ID 170



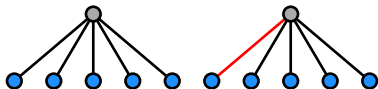
ID: 135  $V_{1^n}$   
 n: 1  $\mapsto$  ID 171



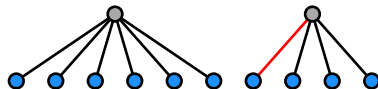
ID: 136  $V_{1^n}$   
 n: 1  $\mapsto$  ID 178



ID: 137  $V_{1^n}$   
 n: 1  $\mapsto$  ID 181

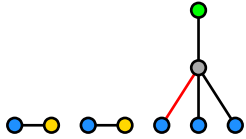


ID: 138  $V_{1^n}$   
 n: 1  $\mapsto$  ID 183

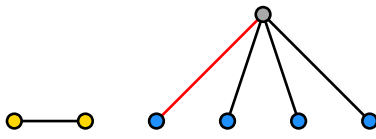


----- edges: 11-n graphs: 64 -----  
 --- A3 case graphs: 45 ---

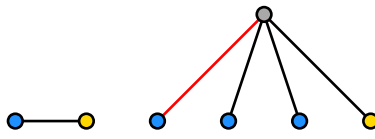
ID: 139  $V_1^{n-1} \boxtimes V_1$   
 n: 7 4 1  $\mapsto$  ID 291



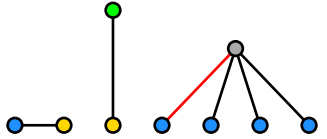
ID: 140  $V_1^n$   
 n: 7 4 1  $\mapsto$  ID 219



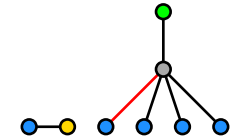
ID: 141  $V_1^n$   
 n: 7 4 1  $\mapsto$  ID 292



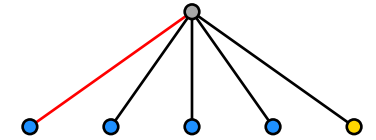
ID: 142  $V_1^{n-1} \boxtimes V_1$   
 n: 7 4 1  $\mapsto$  ID 215



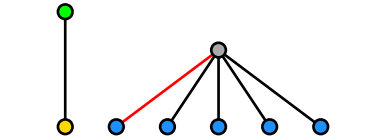
ID: 143  $V_1^{n-1} \boxtimes V_1$   
 n: 7 4 1  $\mapsto$  ID 224



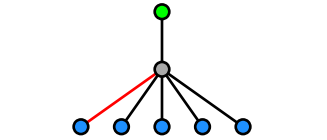
ID: 144  $V_1^n$   
 n: 7 4 1  $\mapsto$  ID 220



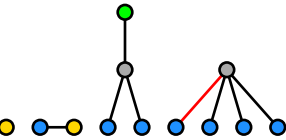
ID: 145  $V_1^{n-1} \boxtimes V_1$   
 n: 7 4 1  $\mapsto$  ID 221



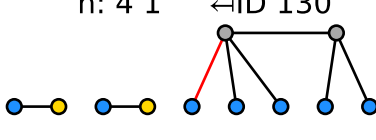
ID: 146  $V_1^{n-1} \boxtimes V_1$   
 n: 7 4 1  $\mapsto$  ID 225



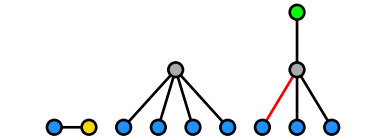
ID: 147  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 243



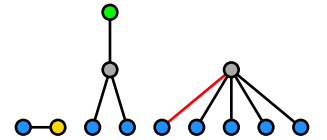
ID: 148  $V_1^n$   
 n: 4 1  $\mapsto$  ID 130



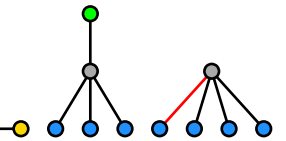
ID: 149  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 232



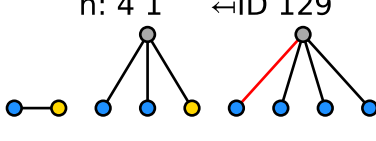
ID: 150  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 233



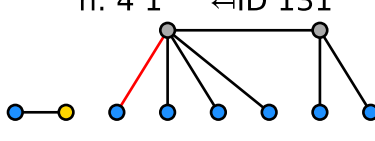
ID: 151  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 234



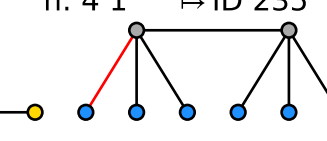
ID: 152  $V_1^n$   
 n: 4 1  $\mapsto$  ID 129



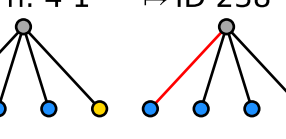
ID: 153  $V_1^n$   
 n: 4 1  $\mapsto$  ID 131



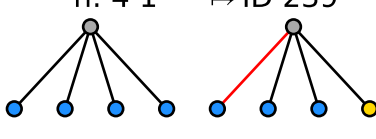
ID: 154  $V_1^n$   
 n: 4 1  $\mapsto$  ID 235



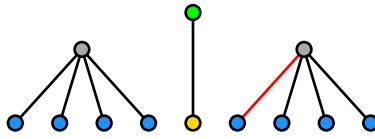
ID: 155  $V_1^n$   
 n: 4 1  $\mapsto$  ID 238



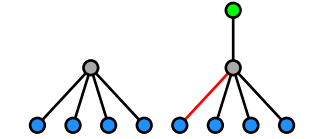
ID: 156  $V_1^n$   
 n: 4 1  $\mapsto$  ID 239



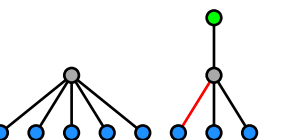
ID: 157  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 240



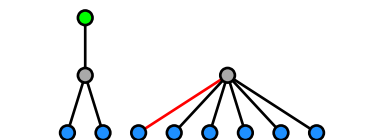
ID: 158  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 241



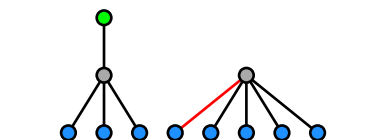
ID: 159  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 242



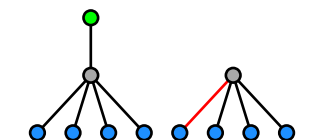
ID: 160  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 245



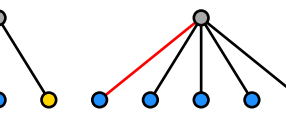
ID: 161  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 247



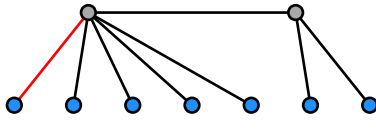
ID: 162  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 249



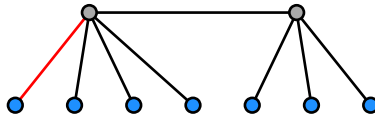
ID: 163  $V_1^n$   
 n: 4 1  $\mapsto$  ID 250



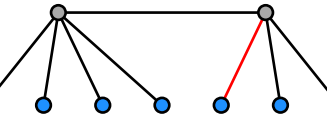
ID: 164  $V_1^n$   
 n: 4 1  $\mapsto$  ID 253



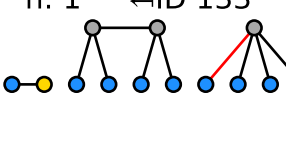
ID: 165  $V_1^n$   
 n: 4 1  $\mapsto$  ID 251



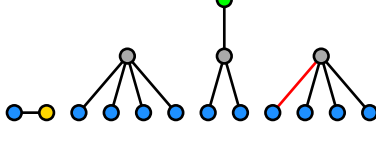
ID: 166  $V_1^n$   
 n: 4 1  $\mapsto$  ID 132



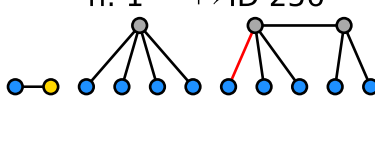
ID: 167  $V_1^n$   
 n: 1  $\mapsto$  ID 133



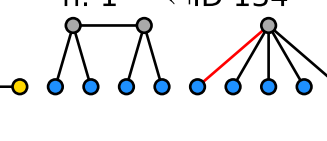
ID: 168  $V_1^{n-1} \boxtimes V_1$   
 n: 1  $\mapsto$  ID 255



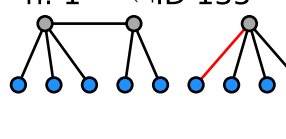
ID: 169  $V_1^n$   
 n: 1  $\mapsto$  ID 256



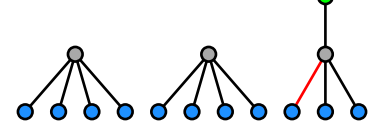
ID: 170  $V_1^n$   
 n: 1  $\mapsto$  ID 134



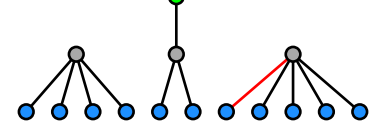
ID: 171  $V_1^n$   
 n: 1  $\mapsto$  ID 135



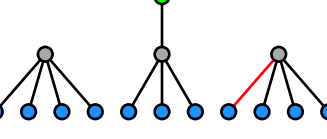
ID: 172  $V_1^{n-1} \boxtimes V_1$   
 n: 1  $\mapsto$  ID 257



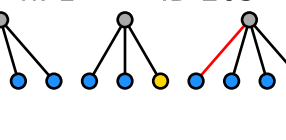
ID: 173  $V_1^{n-1} \boxtimes V_1$   
 n: 1  $\mapsto$  ID 261



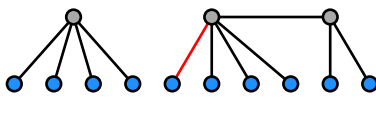
ID: 174  $V_1^{n-1} \boxtimes V_1$   
 n: 1  $\mapsto$  ID 262



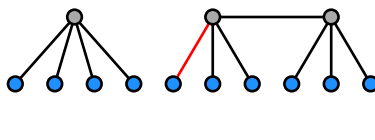
ID: 175  $V_1^n$   
 n: 1  $\mapsto$  ID 263



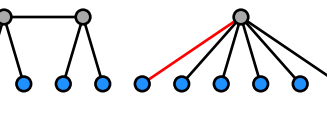
ID: 176  $V_1^n$   
 n: 1  $\mapsto$  ID 264



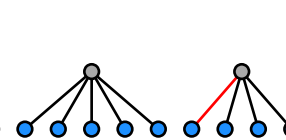
ID: 177  $V_1^n$   
 n: 1  $\mapsto$  ID 265



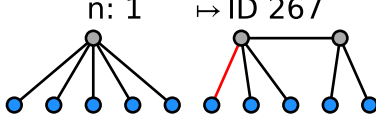
ID: 178  $V_1^n$   
 n: 1  $\mapsto$  ID 136



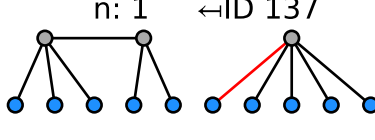
ID: 179  $V_1^{n-1} \boxtimes V_1$   
 n: 1  $\mapsto$  ID 266



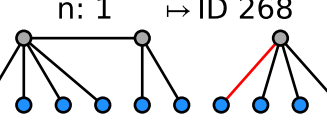
ID: 180  $V_1^n$   
 n: 1  $\mapsto$  ID 267



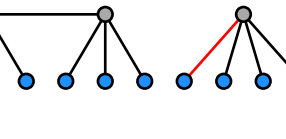
ID: 181  $V_1^n$   
 n: 1  $\mapsto$  ID 137



ID: 182  $V_1^n$   
 n: 1  $\mapsto$  ID 268

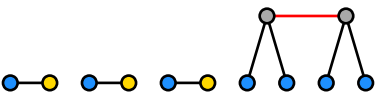


ID: 183  $V_1^n$   
 n: 1  $\mapsto$  ID 138



--- B,Birr cases without weight 11 relations      graphs: 19 ---

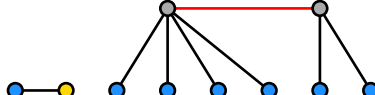
ID: 184  $V_1^n$   
n: 4 1  $\mapsto$  ID 303



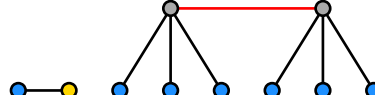
ID: 185  $V_1^n$   
n: 4 1  $\mapsto$  ID 310



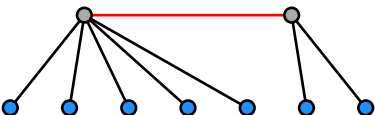
ID: 186  $V_1^n$   
n: 4 1  $\mapsto$  ID 316



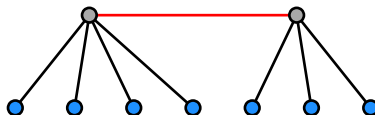
ID: 187  $V_1^n$   
n: 4 1  $\mapsto$  ID 317



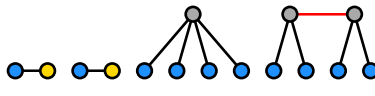
ID: 188  $V_1^n$   
n: 4 1  $\mapsto$  ID 323



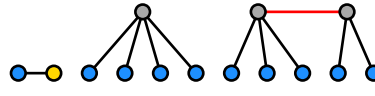
ID: 189  $V_1^n$   
n: 4 1  $\mapsto$  ID 322



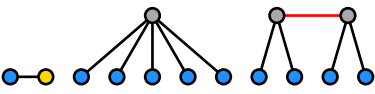
ID: 190  $V_1^n$   
n: 1  $\mapsto$  ID 327



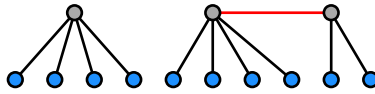
ID: 193  $V_1^n$   
n: 1  $\mapsto$  ID 335



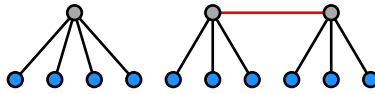
ID: 191  $V_1^n$   
n: 1  $\mapsto$  ID 329



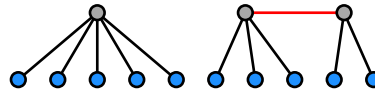
ID: 195  $V_1^n$   
n: 1  $\mapsto$  ID 341



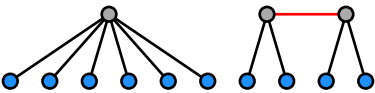
ID: 196  $V_1^n$   
n: 1  $\mapsto$  ID 342



ID: 194  $V_1^n$   
n: 1  $\mapsto$  ID 337



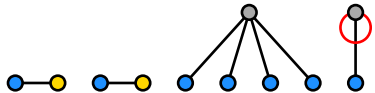
ID: 192  $V_1^n$   
n: 1  $\mapsto$  ID 333



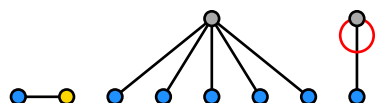
ID: 197  $V_1^n$   
n: 7 4 1  $\mapsto$  ID 351



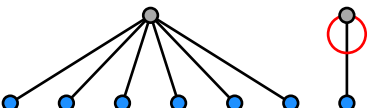
ID: 198  $V_1^n$   
n: 4 1  $\mapsto$  ID 356



ID: 199  $V_1^n$   
n: 4 1  $\mapsto$  ID 358



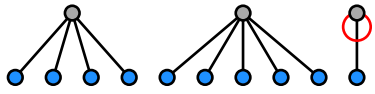
ID: 200  $V_1^n$   
n: 4 1  $\mapsto$  ID 363



ID: 201  $V_1^n$   
n: 1  $\mapsto$  ID 364

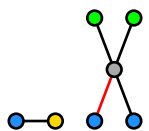


ID: 202  $V_1^n$   
n: 1  $\mapsto$  ID 366

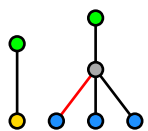


----- edges: 12-n      graphs: 165  
 --- A3 case      graphs: 66

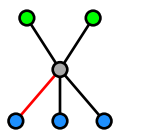
ID: 203  $V_1^{n-2} \boxtimes V_2$   
 n: 10 7 4  $\mapsto$  ID 448



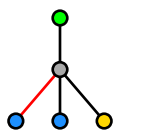
ID: 204  $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$   
 n: 10 7 4  $\mapsto$  ID 372



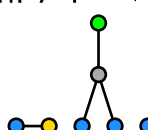
ID: 205  $V_1^{n-2} \boxtimes V_2$   
 n: 10 7 4  $\mapsto$  ID 373



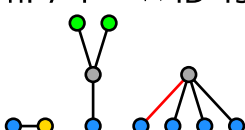
ID: 206  $V_1^{n-1} \boxtimes V_1$   
 n: 10 7 4 1  $\mapsto$  ID 410



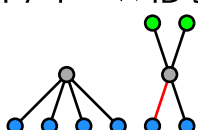
ID: 207  $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$   
 n: 7 4  $\mapsto$  ID 456



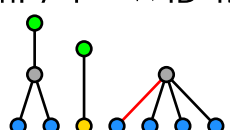
ID: 208  $V_1^{n-2} \boxtimes V_2$   
 n: 7 4  $\mapsto$  ID 452



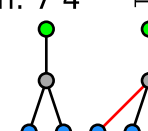
ID: 209  $V_1^{n-2} \boxtimes V_2$   
 n: 7 4  $\mapsto$  ID 374



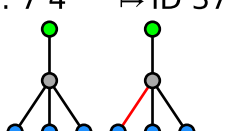
ID: 210  $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$   
 n: 7 4  $\mapsto$  ID 453



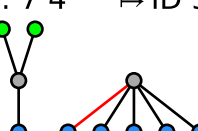
ID: 211  $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$   
 n: 7 4  $\mapsto$  ID 378



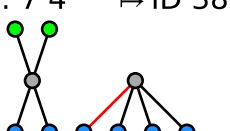
ID: 212  $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$   
 n: 7 4  $\mapsto$  ID 379



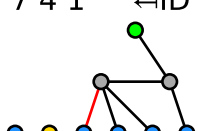
ID: 213  $V_1^{n-2} \boxtimes V_2$   
 n: 7 4  $\mapsto$  ID 380



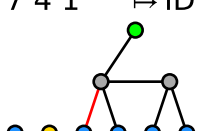
ID: 214  $V_1^{n-2} \boxtimes V_2$   
 n: 7 4  $\mapsto$  ID 381



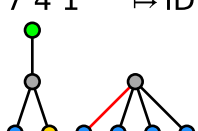
ID: 215  $V_1^{n-1} \boxtimes V_1$   
 n: 7 4 1  $\mapsto$  ID 142



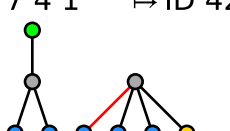
ID: 216  $V_1^{n-1} \boxtimes V_1$   
 n: 7 4 1  $\mapsto$  ID 465



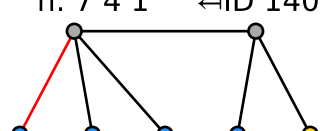
ID: 217  $V_1^{n-1} \boxtimes V_1$   
 n: 7 4 1  $\mapsto$  ID 384



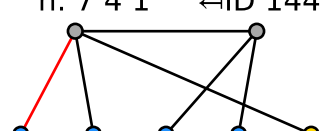
ID: 218  $V_1^{n-1} \boxtimes V_1$   
 n: 7 4 1  $\mapsto$  ID 422



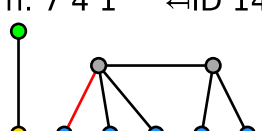
ID: 219  $V_1^n$   
 n: 7 4 1  $\mapsto$  ID 140



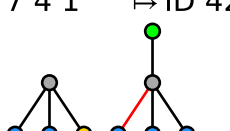
ID: 220  $V_1^n$   
 n: 7 4 1  $\mapsto$  ID 144



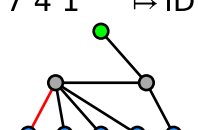
ID: 221  $V_1^{n-1} \boxtimes V_1$   
 n: 7 4 1  $\mapsto$  ID 145



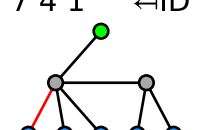
ID: 222  $V_1^{n-1} \boxtimes V_1$   
 n: 7 4 1  $\mapsto$  ID 429



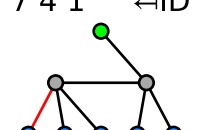
ID: 223  $V_1^{n-1} \boxtimes V_1$   
 n: 7 4 1  $\mapsto$  ID 386



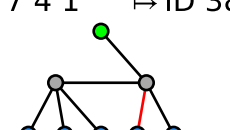
ID: 224  $V_1^{n-1} \boxtimes V_1$   
 n: 7 4 1  $\mapsto$  ID 143



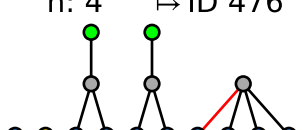
ID: 225  $V_1^{n-1} \boxtimes V_1$   
 n: 7 4 1  $\mapsto$  ID 146



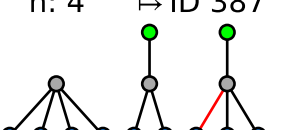
ID: 226  $V_1^{n-1} \boxtimes V_1$   
 n: 7 4 1  $\mapsto$  ID 385



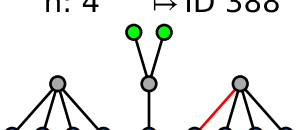
ID: 227  $V_1^{n-2} \boxtimes V_2$   
 n: 4  $\mapsto$  ID 476



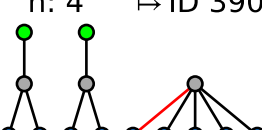
ID: 228  $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$   
 n: 4  $\mapsto$  ID 387



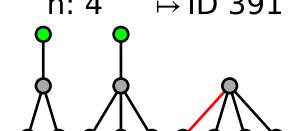
ID: 229  $V_1^{n-2} \boxtimes V_2$   
 n: 4  $\mapsto$  ID 388



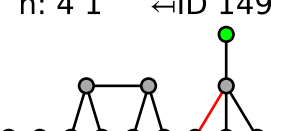
ID: 230  $V_1^{n-2} \boxtimes V_2$   
 n: 4  $\mapsto$  ID 390



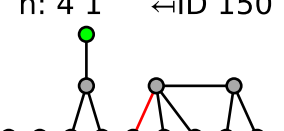
ID: 231  $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$   
 n: 4  $\mapsto$  ID 391



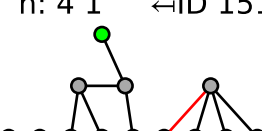
ID: 232  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 149



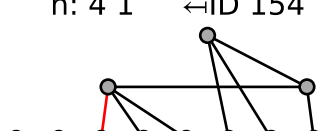
ID: 233  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 150



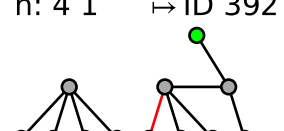
ID: 234  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 151



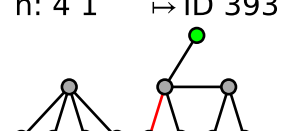
ID: 235  $V_1^n$   
 n: 4 1  $\mapsto$  ID 154



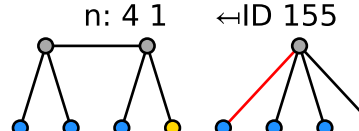
ID: 236  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 392



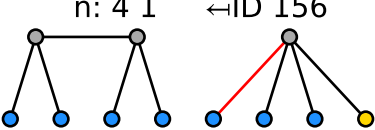
ID: 237  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 393



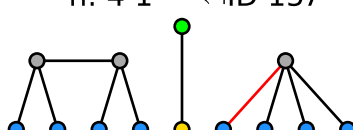
ID: 238  $V_1^n$   
 n: 4 1  $\mapsto$  ID 155



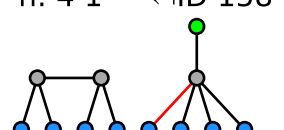
ID: 239  $V_1^n$   
 n: 4 1  $\mapsto$  ID 156



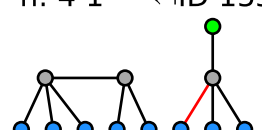
ID: 240  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 157



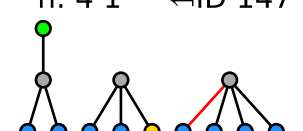
ID: 241  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 158



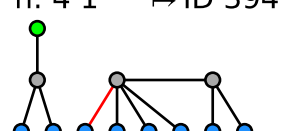
ID: 242  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 159



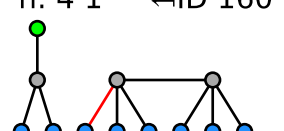
ID: 243  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 147



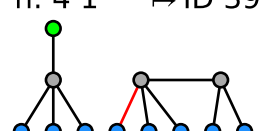
ID: 244  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 394



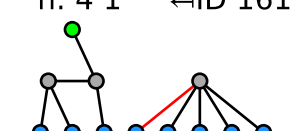
ID: 245  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 160



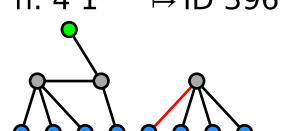
ID: 246  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 395



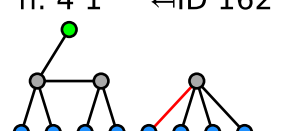
ID: 247  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 161



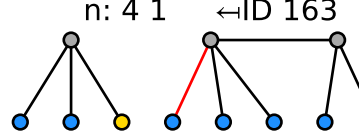
ID: 248  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 396



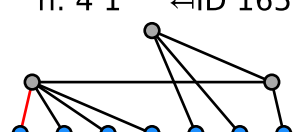
ID: 249  $V_1^{n-1} \boxtimes V_1$   
 n: 4 1  $\mapsto$  ID 162



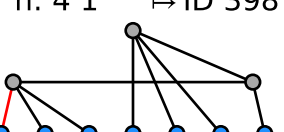
ID: 250  $V_1^n$   
 n: 4 1  $\mapsto$  ID 163



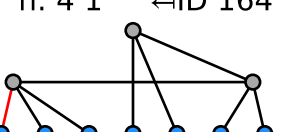
ID: 251  $V_1^n$   
 n: 4 1  $\mapsto$  ID 165



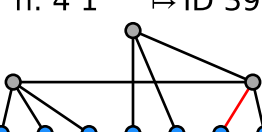
ID: 252  $V_1^n$   
 n: 4 1  $\mapsto$  ID 398



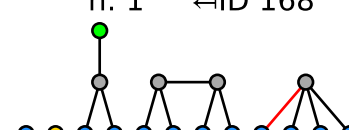
ID: 253  $V_1^n$   
 n: 4 1  $\mapsto$  ID 164



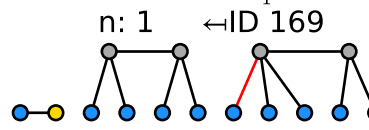
ID: 254  $V_1^n$   
 n: 4 1  $\mapsto$  ID 397



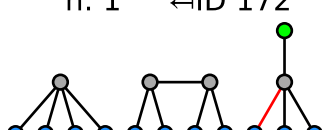
ID: 255  $V_1^{n-1} \boxtimes V_1$   
 n: 1  $\mapsto$  ID 168



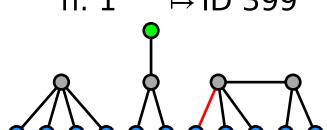
ID: 256  $V_1^n$   
 n: 1  $\mapsto$  ID 169



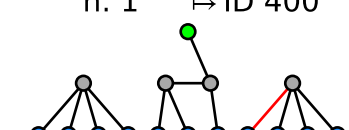
ID: 257  $V_1^{n-1} \boxtimes V_1$   
 n: 1  $\mapsto$  ID 172



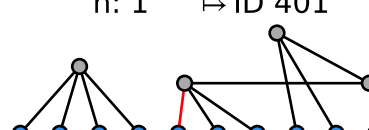
ID: 258  $V_1^{n-1} \boxtimes V_1$   
 n: 1  $\mapsto$  ID 399



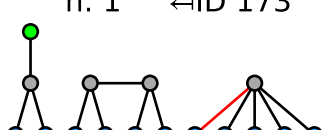
ID: 259  $V_1^{n-1} \boxtimes V_1$   
 n: 1  $\mapsto$  ID 400



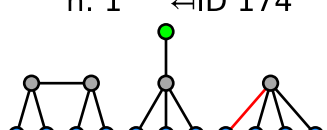
ID: 260  $V_1^n$   
 n: 1  $\mapsto$  ID 401



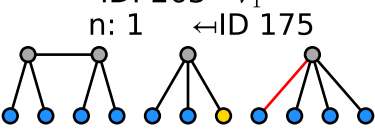
ID: 261  $V_1^{n-1} \boxtimes V_1$   
 n: 1  $\mapsto$  ID 173



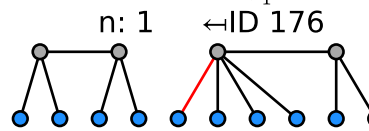
ID: 262  $V_1^{n-1} \boxtimes V_1$   
 n: 1  $\mapsto$  ID 174



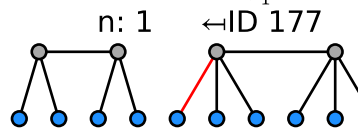
ID: 263  $V_1^n$   
 n: 1  $\mapsto$  ID 175



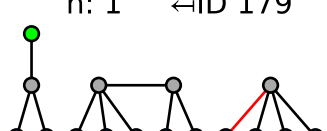
ID: 264  $V_1^n$   
 n: 1  $\mapsto$  ID 176



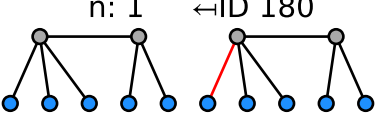
ID: 265  $V_1^n$   
 n: 1  $\mapsto$  ID 177



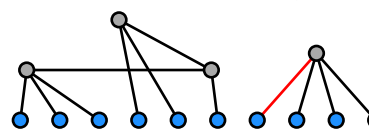
ID: 266  $V_1^{n-1} \boxtimes V_1$   
 n: 1  $\mapsto$  ID 179



ID: 267  $V_1^n$   
 n: 1  $\mapsto$  ID 180

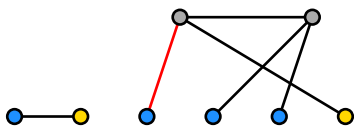


ID: 268  $V_1^n$   
 n: 1  $\mapsto$  ID 182

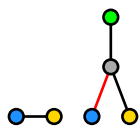


--- A2 case with weight 13 relations      relation groups: 4 ---

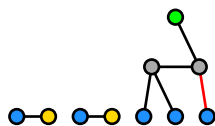
ID: 274  $V_1^n$   
n: 7 4 1  $\mapsto$  ID 425



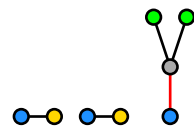
ID: 270  $V_1^{n-1} \boxtimes V_1$   
n: 10 7 4 1  $\mapsto$  ID 525



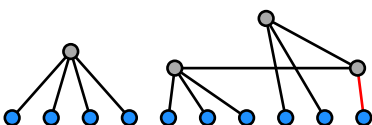
ID: 273  $V_1^{n-1} \boxtimes V_1$   
n: 7 4 1 Redundant



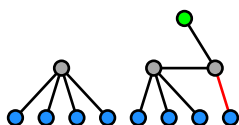
ID: 269  $V_1^{n-2} \boxtimes V_2$   
n: 10 7 4 Redundant



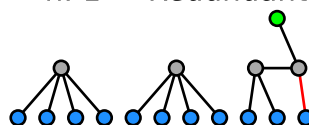
ID: 287  $V_1^n$   
n: 1  $\mapsto$  ID 446



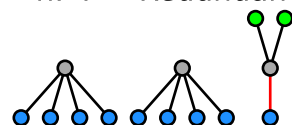
ID: 283  $V_1^{n-1} \boxtimes V_1$   
n: 4 1  $\mapsto$  ID 438



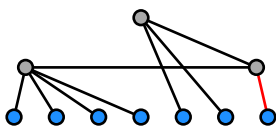
ID: 286  $V_1^{n-1} \boxtimes V_1$   
n: 1 Redundant



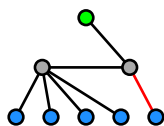
ID: 279  $V_1^{n-2} \boxtimes V_2$   
n: 4 Redundant



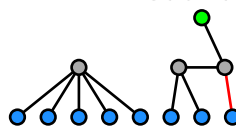
ID: 285  $V_1^n$   
n: 4 1  $\mapsto$  ID 441



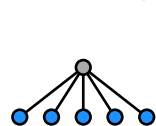
ID: 278  $V_1^{n-1} \boxtimes V_1$   
n: 7 4 1  $\mapsto$  ID 430



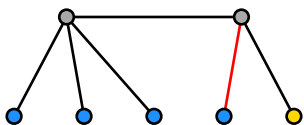
ID: 284  $V_1^{n-1} \boxtimes V_1$   
n: 4 1 Redundant



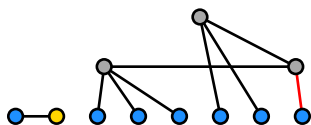
ID: 272  $V_1^{n-2} \boxtimes V_2$   
n: 7 4 Redundant



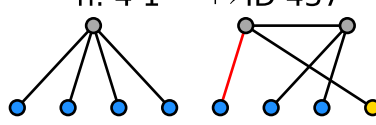
ID: 277  $V_1^n$   
n: 7 4 1  $\mapsto$  ID 424



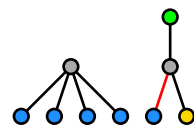
ID: 281  $V_1^n$   
n: 4 1 Redundant



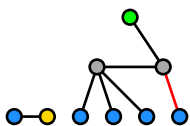
ID: 282  $V_1^n$   
n: 4 1  $\mapsto$  ID 437



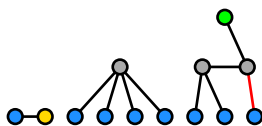
ID: 276  $V_1^{n-1} \boxtimes V_1$   
n: 7 4 1  $\mapsto$  ID 421



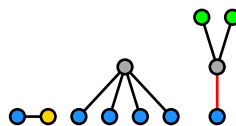
ID: 275  $V_1^{n-1} \boxtimes V_1$   
n: 7 4 1 Redundant



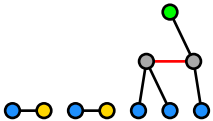
ID: 280  $V_1^{n-1} \boxtimes V_1$   
n: 4 1 Redundant



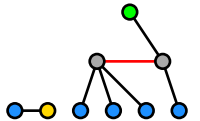
ID: 271  $V_1^{n-2} \boxtimes V_2$   
n: 7 4 Redundant



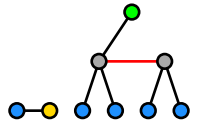
ID: 291  $V_1^{n-1} \boxtimes V_1$   
n: 7 4 1  $\leftarrow$ ID 139



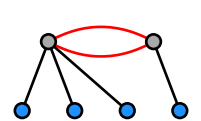
ID: 293  $V_1^{n-1} \boxtimes V_1$   
n: 7 4 1  $\mapsto$ ID 469



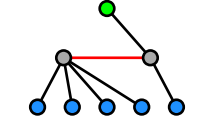
ID: 294  $V_1^{n-1} \boxtimes V_1$   
n: 7 4 1  $\mapsto$ ID 471



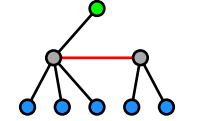
ID: 295  $V_1^n$   
n: 7 4 1  $\mapsto$ ID 423



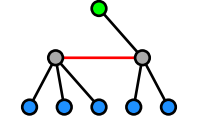
ID: 298  $V_1^{n-1} \boxtimes V_1$   
n: 7 4 1  $\mapsto$ ID 472



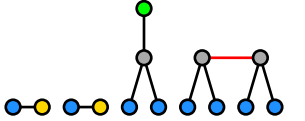
ID: 299  $V_1^{n-1} \boxtimes V_1$   
n: 7 4 1  $\mapsto$ ID 474



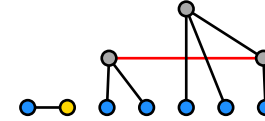
ID: 300  $V_1^{n-1} \boxtimes V_1$   
n: 7 4 1  $\mapsto$ ID 473



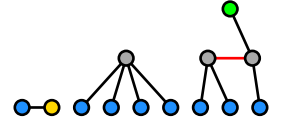
ID: 301  $V_1^{n-1} \boxtimes V_1$   
n: 4 1  $\mapsto$ ID 484



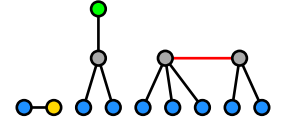
ID: 310  $V_1^n$   
n: 4 1  $\leftarrow$ ID 185



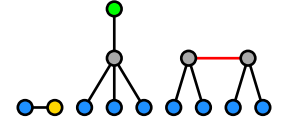
ID: 311  $V_1^{n-1} \boxtimes V_1$   
n: 4 1  $\mapsto$ ID 491



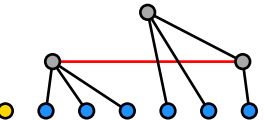
ID: 307  $V_1^{n-1} \boxtimes V_1$   
n: 4 1  $\mapsto$ ID 488



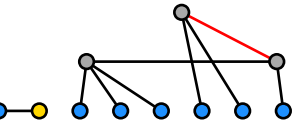
ID: 302  $V_1^{n-1} \boxtimes V_1$   
n: 4 1  $\mapsto$ ID 481



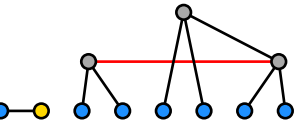
ID: 315  $V_1^n$   
n: 4 1  $\mapsto$ ID 496



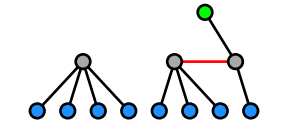
ID: 317  $V_1^n$   
n: 4 1  $\leftarrow$ ID 187



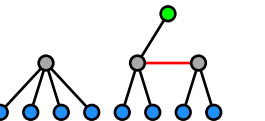
ID: 316  $V_1^n$   
n: 4 1  $\leftarrow$ ID 186



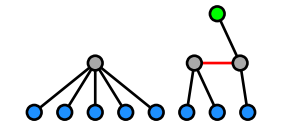
ID: 319  $V_1^{n-1} \boxtimes V_1$   
n: 4 1  $\mapsto$ ID 498



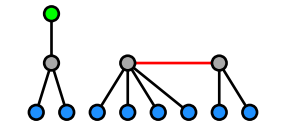
ID: 320  $V_1^{n-1} \boxtimes V_1$   
n: 4 1  $\mapsto$ ID 499



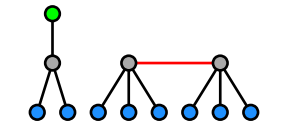
ID: 312  $V_1^{n-1} \boxtimes V_1$   
n: 4 1  $\mapsto$ ID 492



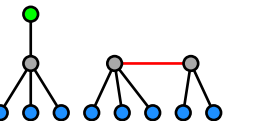
ID: 313  $V_1^{n-1} \boxtimes V_1$   
n: 4 1  $\mapsto$ ID 494



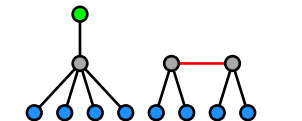
ID: 314  $V_1^{n-1} \boxtimes V_1$   
n: 4 1  $\mapsto$ ID 493



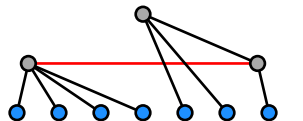
ID: 308  $V_1^{n-1} \boxtimes V_1$   
n: 4 1  $\mapsto$ ID 487



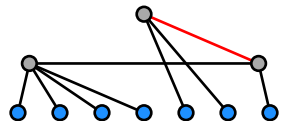
ID: 306  $V_1^{n-1} \boxtimes V_1$   
n: 4 1  $\mapsto$ ID 486



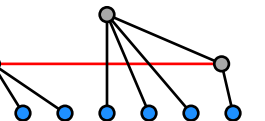
ID: 321  $V_1^n$   
n: 4 1  $\mapsto$ ID 504



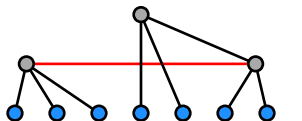
ID: 324  $V_1^n$   
n: 4 1  $\mapsto$ ID 505



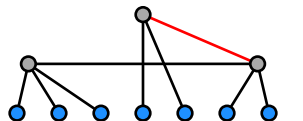
ID: 325  $V_1^n$   
n: 4 1  $\mapsto$ ID 506



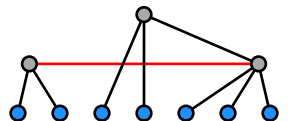
ID: 322  $V_1^n$   
n: 4 1  $\leftarrow$ ID 189



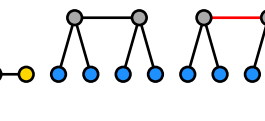
ID: 326  $V_1^n$   
n: 4 1  $\mapsto$ ID 503



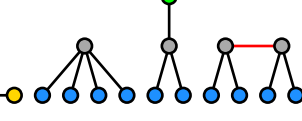
ID: 323  $V_1^n$   
n: 4 1  $\leftarrow$ ID 188



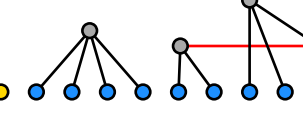
ID: 327  $V_1^n$   
n: 1  $\leftarrow$ ID 190



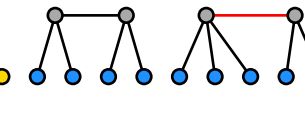
ID: 328  $V_1^{n-1} \boxtimes V_1$   
n: 1  $\mapsto$ ID 507



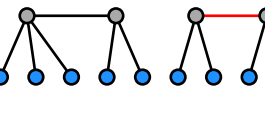
ID: 338  $V_1^n$   
n: 1  $\mapsto$ ID 514



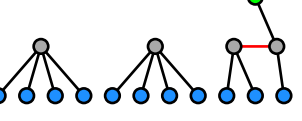
ID: 335  $V_1^n$   
n: 1  $\leftarrow$ ID 193



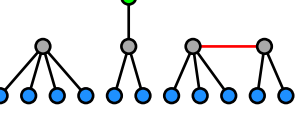
ID: 329  $V_1^n$   
n: 1  $\leftarrow$ ID 191



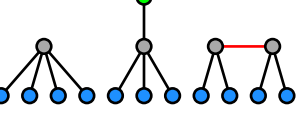
ID: 340  $V_1^{n-1} \boxtimes V_1$   
n: 1  $\mapsto$ ID 517



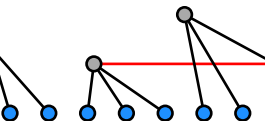
ID: 336  $V_1^{n-1} \boxtimes V_1$   
n: 1  $\mapsto$ ID 513



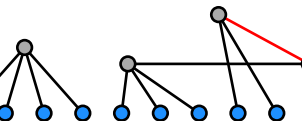
ID: 330  $V_1^{n-1} \boxtimes V_1$   
n: 1  $\mapsto$ ID 509



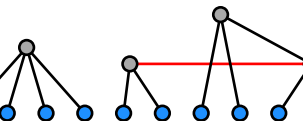
ID: 343  $V_1^n$   
n: 1  $\mapsto$ ID 518



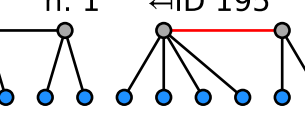
ID: 345  $V_1^n$   
n: 1  $\mapsto$ ID 521



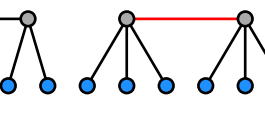
ID: 344  $V_1^n$   
n: 1  $\mapsto$ ID 519



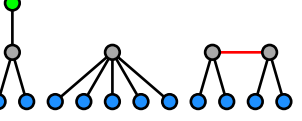
ID: 341  $V_1^n$   
n: 1  $\leftarrow$ ID 195



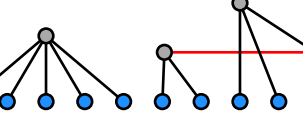
ID: 342  $V_1^n$   
n: 1  $\leftarrow$ ID 196



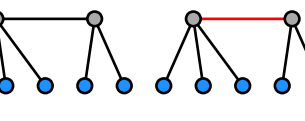
ID: 332  $V_1^{n-1} \boxtimes V_1$   
n: 1  $\mapsto$ ID 511



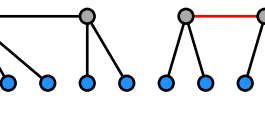
ID: 339  $V_1^n$   
n: 1  $\mapsto$ ID 516



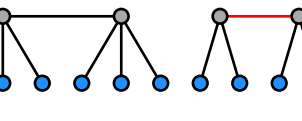
ID: 337  $V_1^n$   
n: 1  $\leftarrow$ ID 194



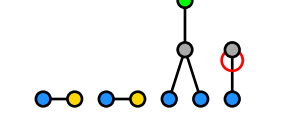
ID: 333  $V_1^n$   
n: 1  $\leftarrow$ ID 192



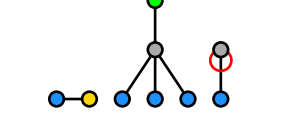
ID: 334  $V_1^n$   
n: 1  $\mapsto$ ID 512



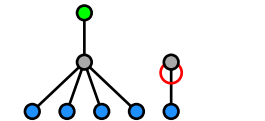
ID: 349  $V_1^{n-1} \boxtimes V_1$   
n: 7 4 1  $\mapsto$ ID 535



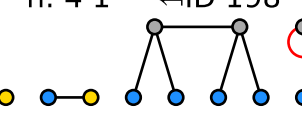
ID: 350  $V_1^{n-1} \boxtimes V_1$   
n: 7 4 1  $\mapsto$ ID 530



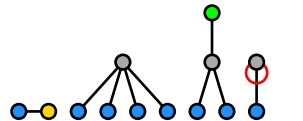
ID: 355  $V_1^{n-1} \boxtimes V_1$   
n: 7 4 1  $\mapsto$ ID 536



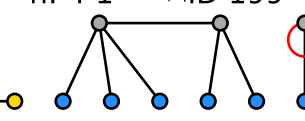
ID: 356  $V_1^n$   
n: 4 1  $\leftarrow$ ID 198



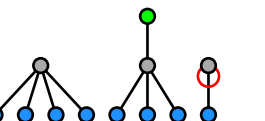
ID: 357  $V_1^{n-1} \boxtimes V_1$   
n: 4 1  $\mapsto$ ID 538



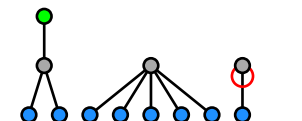
ID: 358  $V_1^n$   
n: 4 1  $\leftarrow$ ID 199



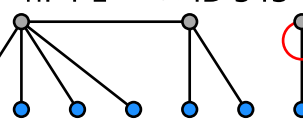
ID: 359  $V_1^{n-1} \boxtimes V_1$   
n: 4 1  $\mapsto$ ID 539



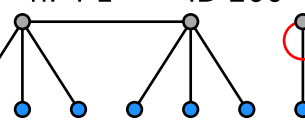
ID: 361  $V_1^{n-1} \boxtimes V_1$   
n: 4 1  $\mapsto$ ID 542



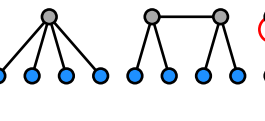
ID: 362  $V_1^n$   
n: 4 1  $\mapsto$ ID 543



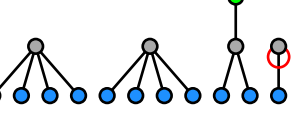
ID: 363  $V_1^n$   
n: 4 1  $\leftarrow$ ID 200



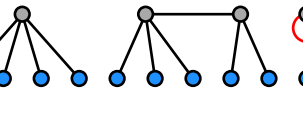
ID: 364  $V_1^n$   
n: 1  $\leftarrow$ ID 201



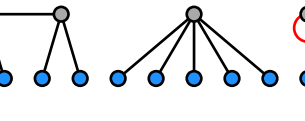
ID: 365  $V_1^{n-1} \boxtimes V_1$   
n: 1  $\mapsto$ ID 544



ID: 366  $V_1^n$   
n: 1  $\leftarrow$ ID 202

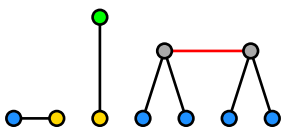


ID: 367  $V_1^n$   
n: 1  $\mapsto$ ID 545

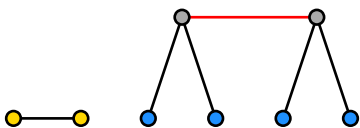


--- B,Birr cases with weight 11 relations      relation groups: 5 ---

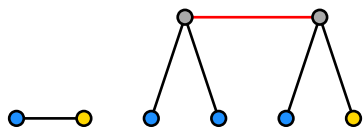
ID: 289  $V_{1^{n-1}} \boxtimes V_1$   
n: 7 4 1  $\mapsto$  ID 466



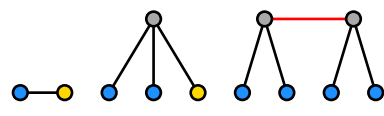
ID: 288  $V_{1^n}$   
n: 7 4 1 Redundant



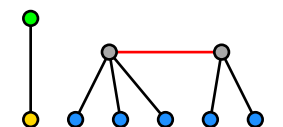
ID: 292  $V_{1^n}$   
n: 7 4 1  $\leftarrow$  ID 141



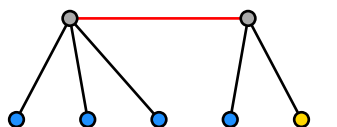
ID: 303  $V_{1^n}$   
n: 4 1  $\leftarrow$  ID 184



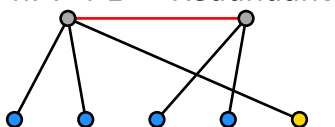
ID: 290  $V_{1^{n-1}} \boxtimes V_1$   
n: 7 4 1  $\mapsto$  ID 462



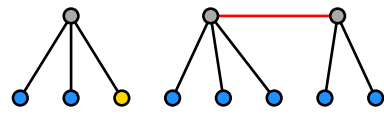
ID: 296  $V_{1^n}$   
n: 7 4 1  $\mapsto$  ID 467



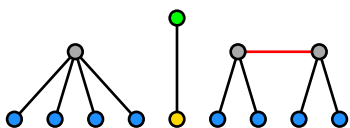
ID: 297  $V_{1^n}$   
n: 7 4 1 Redundant



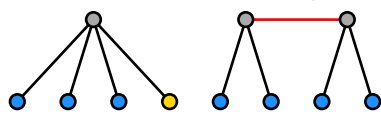
ID: 309  $V_{1^n}$   
n: 4 1  $\mapsto$  ID 490



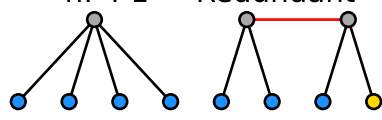
ID: 305  $V_{1^{n-1}} \boxtimes V_1$   
n: 4 1  $\mapsto$  ID 483



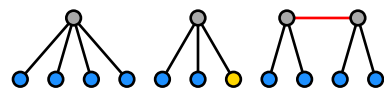
ID: 304  $V_{1^n}$   
n: 4 1  $\mapsto$  ID 482



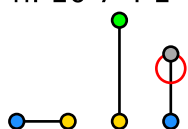
ID: 318  $V_{1^n}$   
n: 4 1 Redundant



ID: 331  $V_{1^n}$   
n: 1  $\mapsto$  ID 510



ID: 348  $V_{1^{n-1}} \boxtimes V_1$   
n: 10 7 4 1



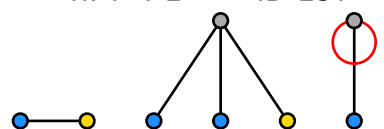
ID: 346  $V_{1^n}$   
n: 10 7 4 1



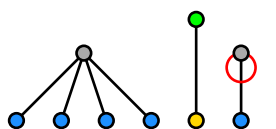
ID: 347  $V_{1^n}$   
n: 10 7 4 1 Redundant



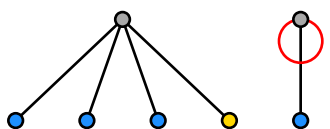
ID: 351  $V_{1^n}$   
n: 7 4 1  $\leftarrow$  ID 197



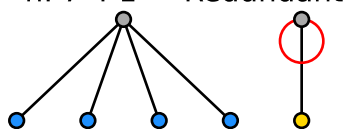
ID: 354  $V_{1^{n-1}} \boxtimes V_1$   
n: 7 4 1  $\mapsto$  ID 533



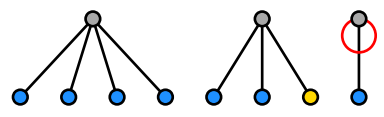
ID: 352  $V_{1^n}$   
n: 7 4 1  $\mapsto$  ID 531



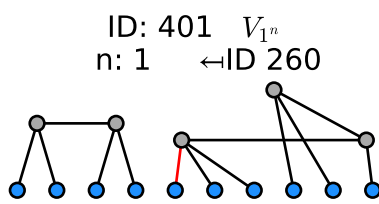
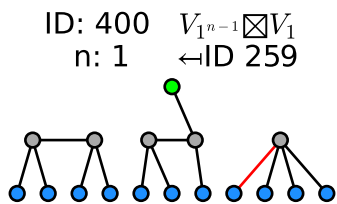
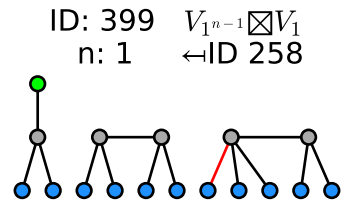
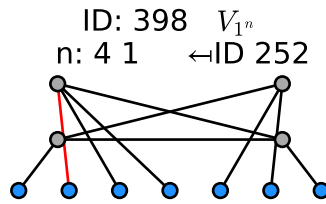
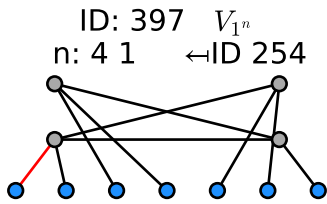
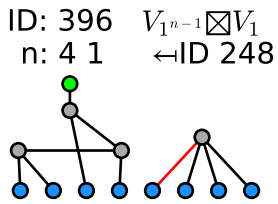
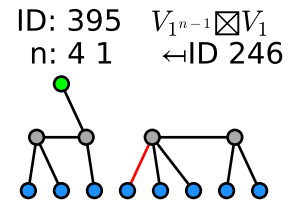
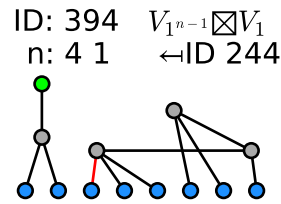
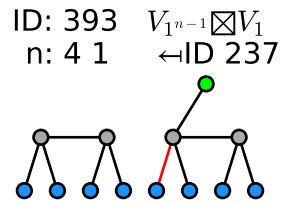
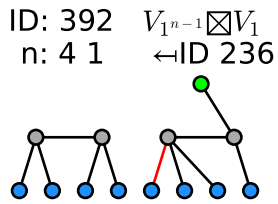
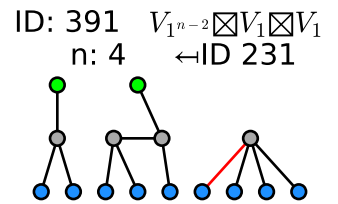
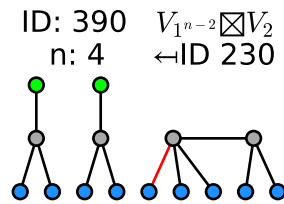
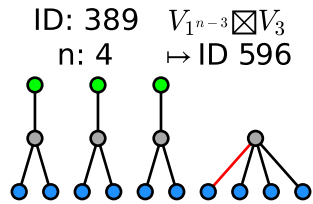
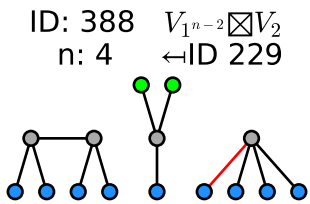
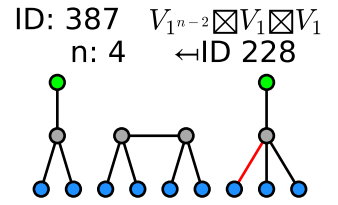
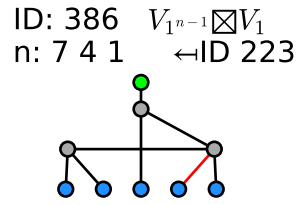
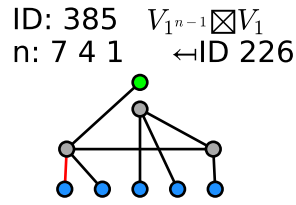
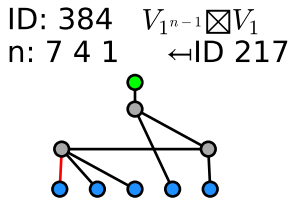
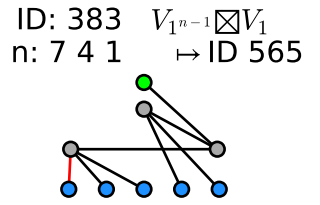
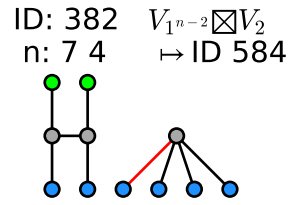
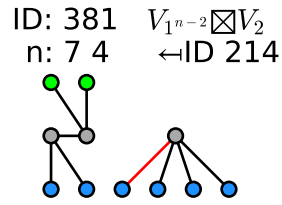
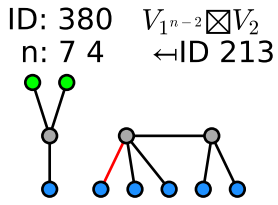
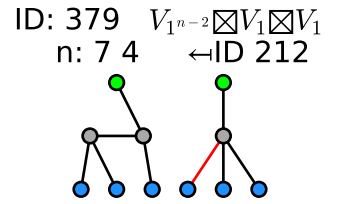
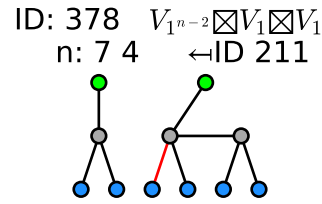
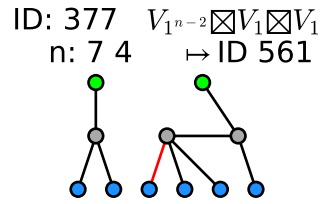
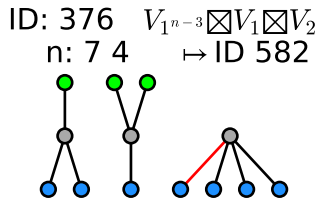
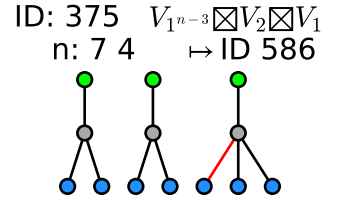
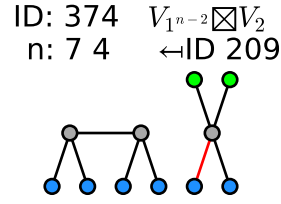
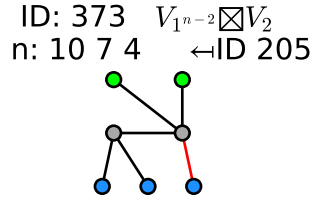
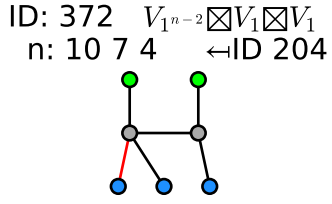
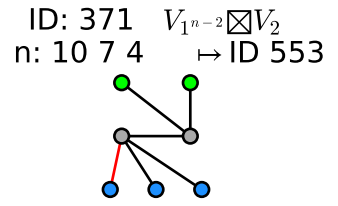
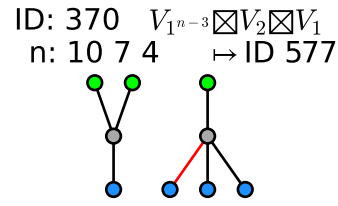
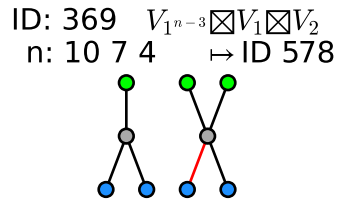
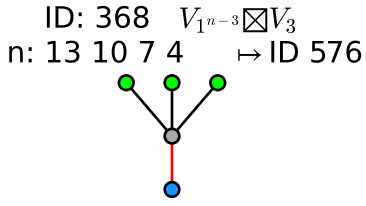
ID: 353  $V_{1^n}$   
n: 7 4 1 Redundant



ID: 360  $V_{1^n}$   
n: 4 1  $\mapsto$  ID 541

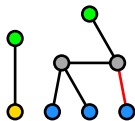


----- edges: 13-n      graphs: 178      -----  
 --- A3 case      graphs: 34 ---

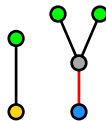




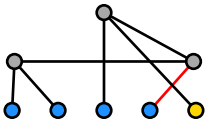
ID: 407  $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$   
n: 10 7 4



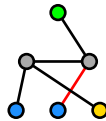
ID: 402  $V_{1^{n-3}} \boxtimes V_1 \boxtimes V_2$   
n: 13 10 7 4  $\mapsto$  ID 547



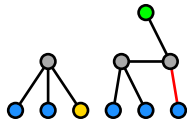
ID: 425  $V_1^n$   
n: 7 4 1  $\leftarrow$  ID 274



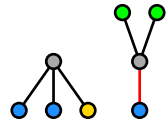
ID: 411  $V_{1^{n-1}} \boxtimes V_1$   
n: 10 7 4 1  $\mapsto$  ID 556



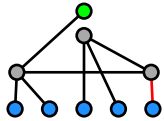
ID: 426  $V_{1^{n-1}} \boxtimes V_1$   
n: 7 4 1 Redundant



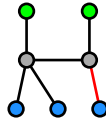
ID: 408  $V_{1^{n-2}} \boxtimes V_2$   
n: 10 7 4 Redundant



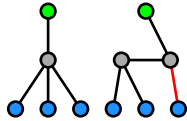
ID: 429  $V_{1^{n-1}} \boxtimes V_1$   
n: 7 4 1  $\leftarrow$  ID 222



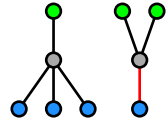
ID: 409  $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$   
n: 10 7 4  $\mapsto$  ID 552



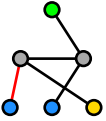
ID: 418  $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$   
n: 7 4 Redundant



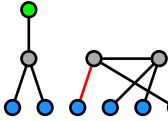
ID: 406  $V_{1^{n-3}} \boxtimes V_1 \boxtimes V_2$   
n: 10 7 4 Redundant



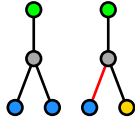
ID: 410  $V_{1^{n-1}} \boxtimes V_1$   
n: 10 7 4 1  $\leftarrow$  ID 206



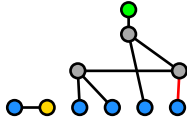
ID: 422  $V_{1^{n-1}} \boxtimes V_1$   
n: 7 4 1  $\leftarrow$  ID 218



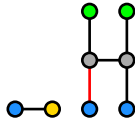
ID: 405  $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$   
n: 10 7 4



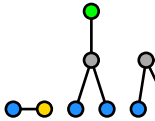
ID: 420  $V_{1^{n-1}} \boxtimes V_1$   
n: 7 4 1 Redundant



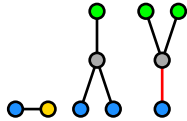
ID: 404  $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$   
n: 10 7 4 Redundant



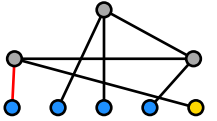
ID: 413  $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$   
n: 7 4 Redundant



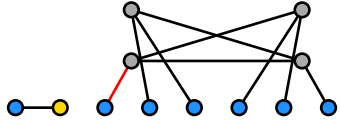
ID: 403  $V_{1^{n-3}} \boxtimes V_1 \boxtimes V_2$   
n: 10 7 4 Redundant



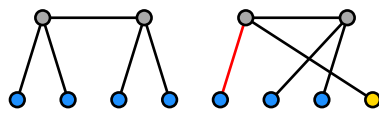
ID: 424  $V_1^n$   
n: 7 4 1  $\leftarrow$  ID 277



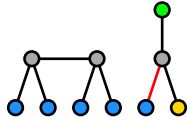
ID: 434  $V_1^n$   
n: 4 1 Redundant



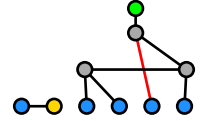
ID: 437  $V_1^n$   
n: 4 1  $\leftarrow$  ID 282



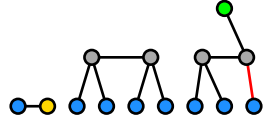
ID: 421  $V_{1^{n-1}} \boxtimes V_1$   
n: 7 4 1  $\leftarrow$  ID 276



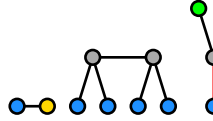
ID: 419  $V_{1^{n-1}} \boxtimes V_1$   
n: 7 4 1 Redundant



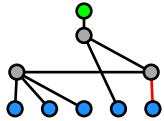
ID: 433  $V_{1^{n-1}} \boxtimes V_1$   
n: 4 1 Redundant



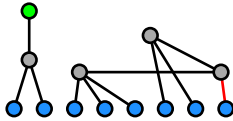
ID: 412  $V_{1^{n-2}} \boxtimes V_2$   
n: 7 4 Redundant



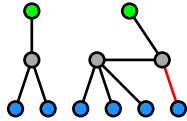
ID: 428  $V_{1^{n-1}} \boxtimes V_1$   
n: 7 4 1  $\mapsto$  ID 566



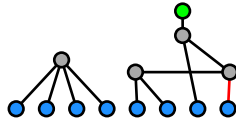
ID: 440  $V_{1^{n-1}} \boxtimes V_1$   
n: 4 1  $\mapsto$  ID 572



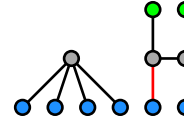
ID: 417  $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$   
n: 7 4  $\mapsto$  ID 560



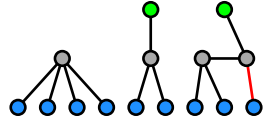
ID: 436  $V_{1^{n-1}} \boxtimes V_1$   
n: 4 1 Redundant



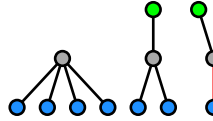
ID: 415  $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$   
n: 7 4 Redundant



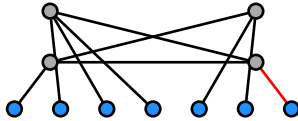
ID: 432  $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$   
n: 4 Redundant



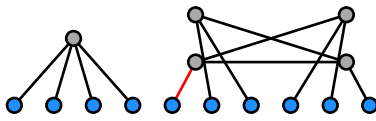
ID: 414  $V_{1^{n-3}} \boxtimes V_1 \boxtimes V_2$   
n: 7 4 Redundant



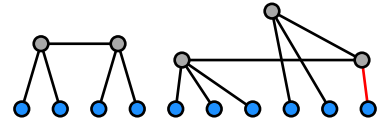
ID: 443  $V_1^n$   
n: 4 1  $\mapsto$  ID 574



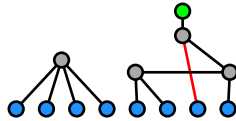
ID: 445  $V_1^n$   
n: 1 Redundant



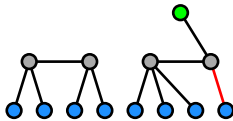
ID: 446  $V_1^n$   
n: 1  $\leftarrow$  ID 287



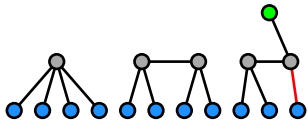
ID: 435  $V_{1^{n-1}} \boxtimes V_1$   
n: 4 1 Redundant



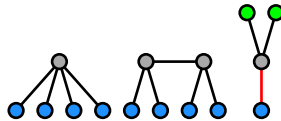
ID: 438  $V_{1^{n-1}} \boxtimes V_1$   
n: 4 1  $\leftarrow$  ID 283



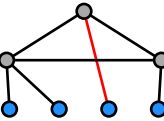
ID: 444  $V_{1^{n-1}} \boxtimes V_1$   
n: 1 Redundant



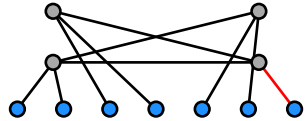
ID: 431  $V_{1^{n-2}} \boxtimes V_2$   
n: 4 Redundant



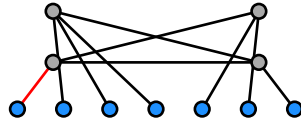
ID: 423  $V_1^n$   
n: 7 4 1  $\leftarrow$  ID 295



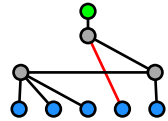
ID: 441  $V_1^n$   
n: 4 1  $\leftarrow$  ID 285



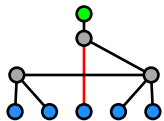
ID: 442  $V_1^n$   
n: 4 1 Redundant



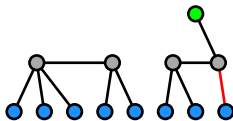
ID: 427  $V_{1^{n-1}} \boxtimes V_1$   
n: 7 4 1 Redundant



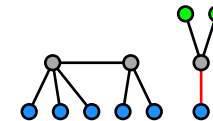
ID: 430  $V_{1^{n-1}} \boxtimes V_1$   
n: 7 4 1  $\leftarrow$  ID 278

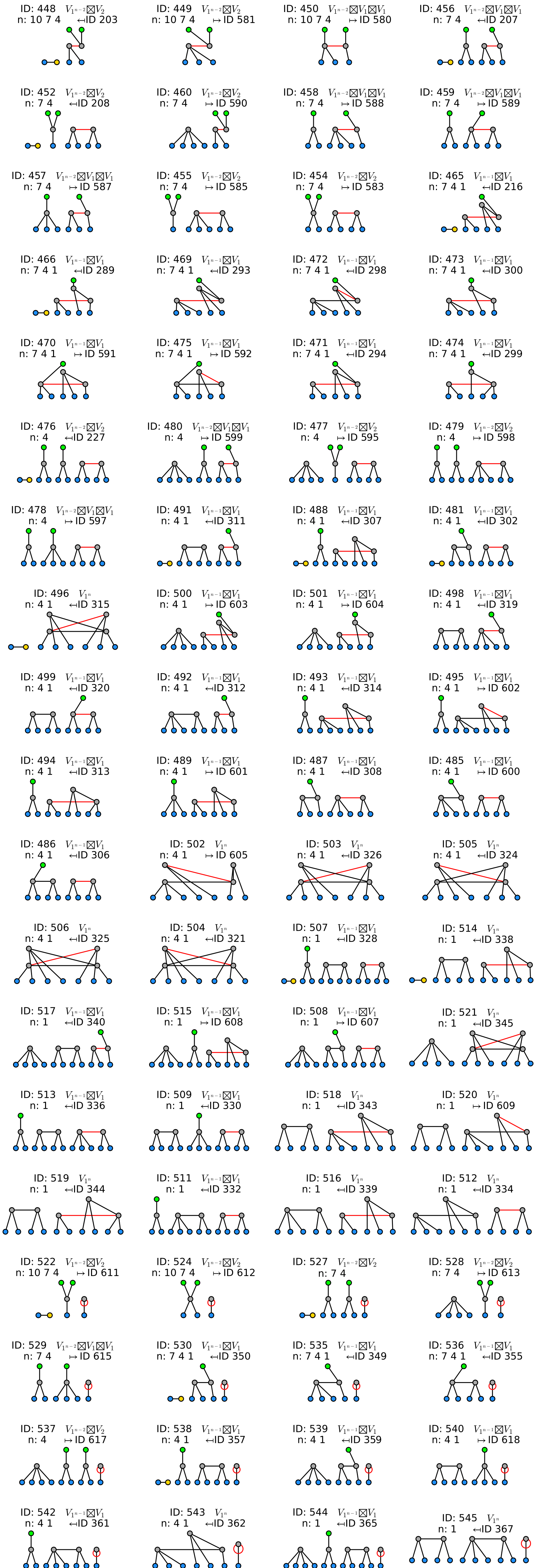


ID: 439  $V_{1^{n-1}} \boxtimes V_1$   
n: 4 1 Redundant

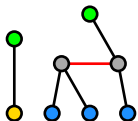


ID: 416  $V_{1^{n-2}} \boxtimes V_2$   
n: 7 4 Redundant

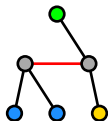




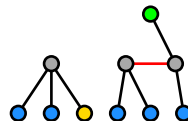
ID: 447  $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$   
n: 10 7 4  $\mapsto$  ID 579



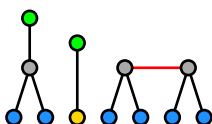
ID: 451  $V_1^{n-1} \boxtimes V_1$   
n: 10 7 4 1 Redundant



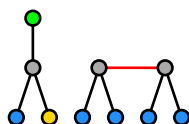
ID: 463  $V_1^{n-1} \boxtimes V_1$   
n: 7 4 1  $\mapsto$  ID 593



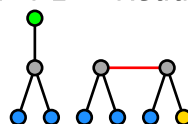
ID: 453  $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$   
n: 7 4  $\mapsto$  ID 210



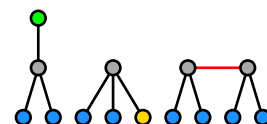
ID: 461  $V_1^{n-1} \boxtimes V_1$   
n: 7 4 1  $\mapsto$  ID 594



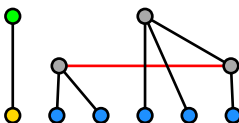
ID: 464  $V_1^{n-1} \boxtimes V_1$   
n: 7 4 1 Redundant



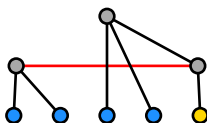
ID: 484  $V_1^{n-1} \boxtimes V_1$   
n: 4 1  $\mapsto$  ID 301



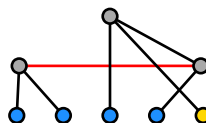
ID: 462  $V_1^{n-1} \boxtimes V_1$   
n: 7 4 1  $\mapsto$  ID 290



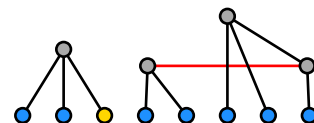
ID: 467  $V_1^n$   
n: 7 4 1  $\mapsto$  ID 296



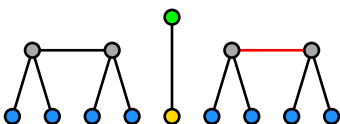
ID: 468  $V_1^n$   
n: 7 4 1 Redundant



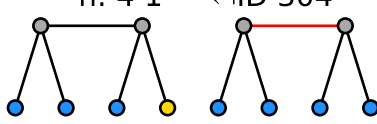
ID: 490  $V_1^n$   
n: 4 1  $\mapsto$  ID 309



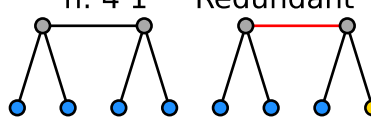
ID: 483  $V_1^{n-1} \boxtimes V_1$   
n: 4 1  $\mapsto$  ID 305



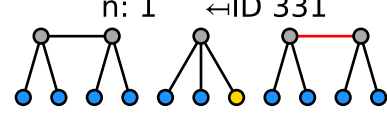
ID: 482  $V_1^n$   
n: 4 1  $\mapsto$  ID 304



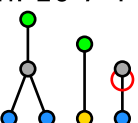
ID: 497  $V_1^n$   
n: 4 1 Redundant



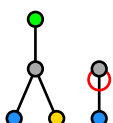
ID: 510  $V_1^n$   
n: 1  $\mapsto$  ID 331



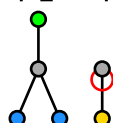
ID: 523  $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$   
n: 10 7 4



ID: 525  $V_1^{n-1} \boxtimes V_1$   
n: 10 7 4 1  $\mapsto$  ID 270



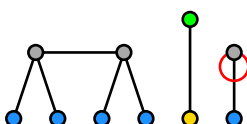
ID: 526  $V_1^{n-1} \boxtimes V_1$   
n: 10 7 4 1 Redundant



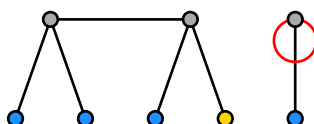
ID: 534  $V_1^{n-1} \boxtimes V_1$   
n: 7 4 1  $\mapsto$  ID 616



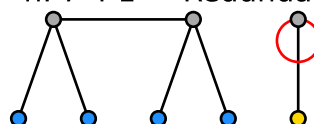
ID: 533  $V_1^{n-1} \boxtimes V_1$   
n: 7 4 1  $\mapsto$  ID 354



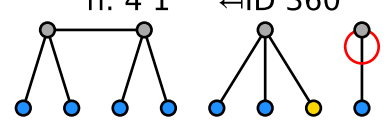
ID: 531  $V_1^n$   
n: 7 4 1  $\mapsto$  ID 352



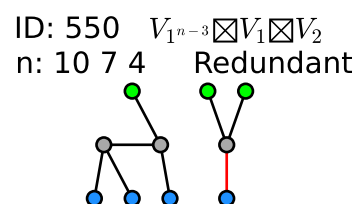
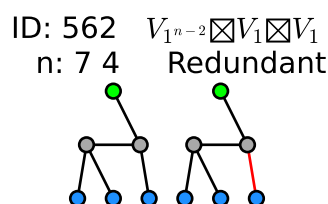
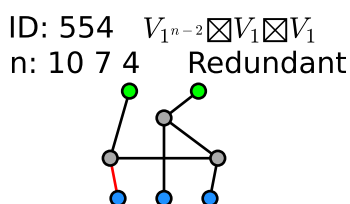
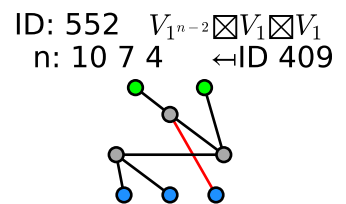
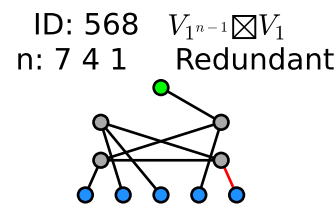
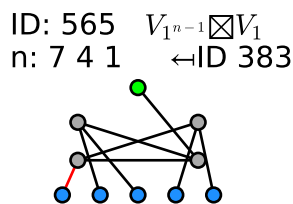
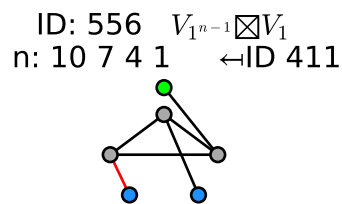
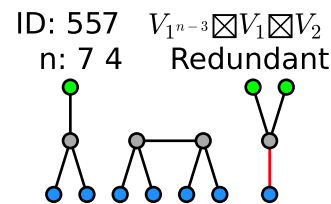
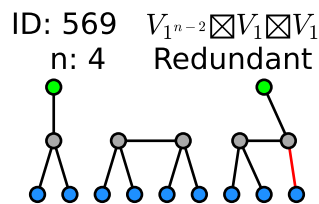
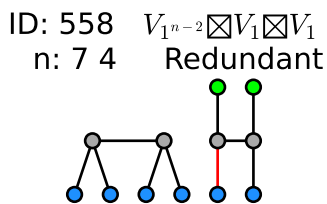
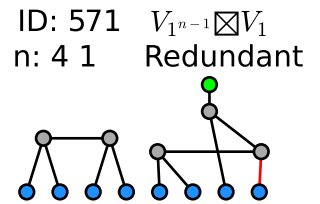
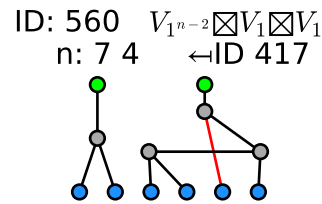
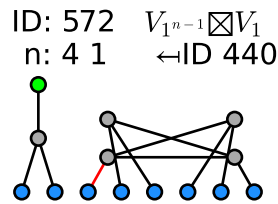
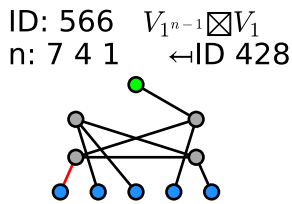
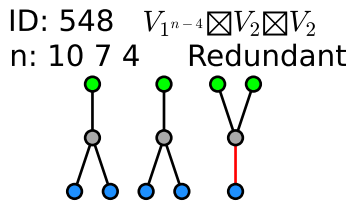
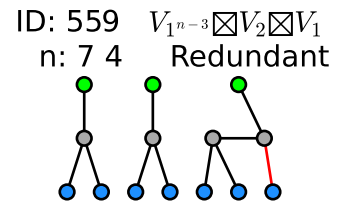
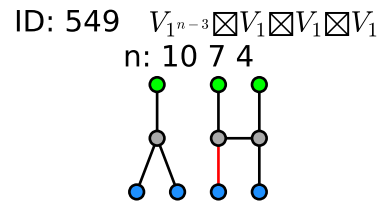
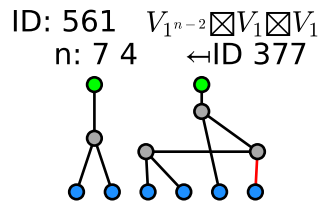
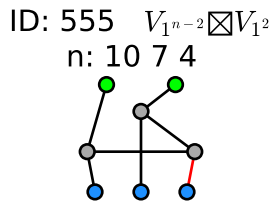
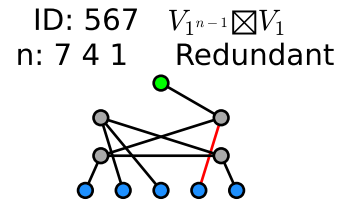
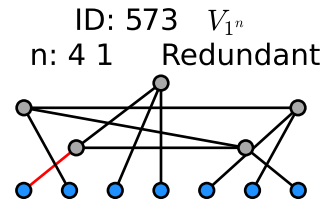
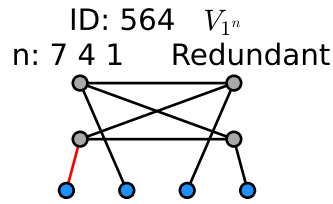
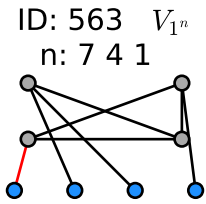
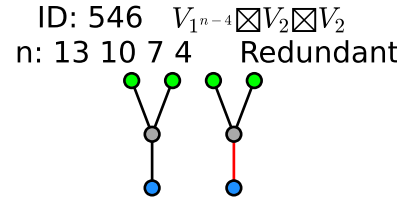
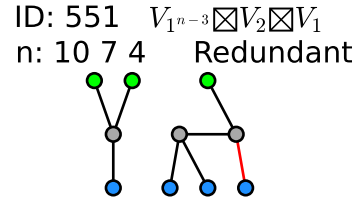
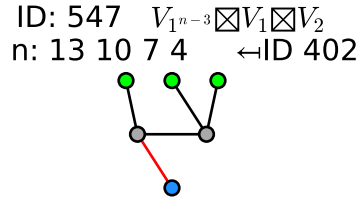
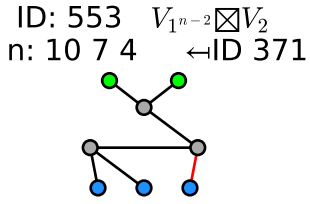
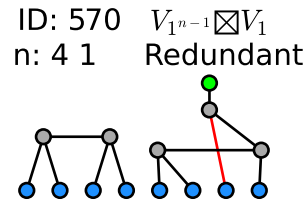
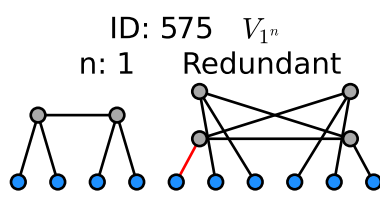
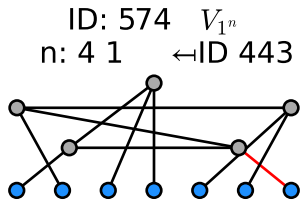
ID: 532  $V_1^n$   
n: 7 4 1 Redundant



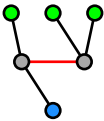
ID: 541  $V_1^n$   
n: 4 1  $\mapsto$  ID 360



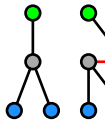
----- edges: 14-n    graphs: 73    -----  
 --- A2 case with weight 13 relations    relation groups: 6 ---



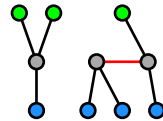
ID: 576  $V_{1^{n-3}} \boxtimes V_1 \boxtimes V_2$   
n: 13 10 7 4       $\leftarrow$ ID 368



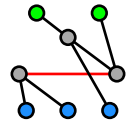
ID: 578  $V_{1^{n-3}} \boxtimes V_1 \boxtimes V_2$   
n: 10 7 4       $\leftarrow$ ID 369



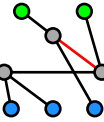
ID: 577  $V_{1^{n-3}} \boxtimes V_2 \boxtimes V_1$   
n: 10 7 4       $\leftarrow$ ID 370



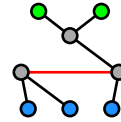
ID: 579  $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$   
n: 10 7 4       $\leftarrow$ ID 447



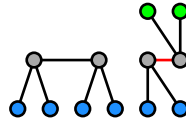
ID: 580  $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$   
n: 10 7 4       $\leftarrow$ ID 450



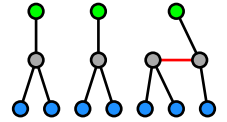
ID: 581  $V_{1^{n-2}} \boxtimes V_2$   
n: 10 7 4       $\leftarrow$ ID 449



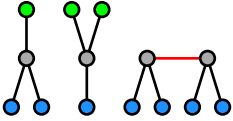
ID: 590  $V_{1^{n-2}} \boxtimes V_2$   
n: 7 4       $\leftarrow$ ID 460



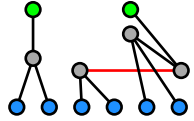
ID: 586  $V_{1^{n-3}} \boxtimes V_2 \boxtimes V_1$   
n: 7 4       $\leftarrow$ ID 375



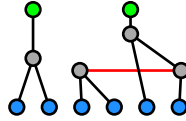
ID: 582  $V_{1^{n-3}} \boxtimes V_1 \boxtimes V_2$   
n: 7 4       $\leftarrow$ ID 376



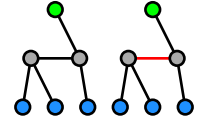
ID: 588  $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$   
n: 7 4       $\leftarrow$ ID 458



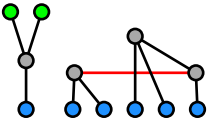
ID: 589  $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$   
n: 7 4       $\leftarrow$ ID 459



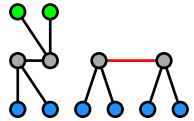
ID: 587  $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$   
n: 7 4       $\leftarrow$ ID 457



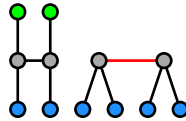
ID: 585  $V_{1^{n-2}} \boxtimes V_2$   
n: 7 4       $\leftarrow$ ID 455



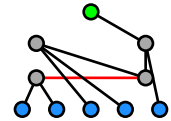
ID: 583  $V_{1^{n-2}} \boxtimes V_2$   
n: 7 4       $\leftarrow$ ID 454



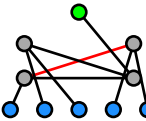
ID: 584  $V_{1^{n-2}} \boxtimes V_2$   
n: 7 4       $\leftarrow$ ID 382



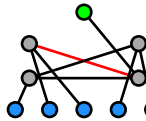
ID: 591  $V_{1^{n-1}} \boxtimes V_1$   
n: 7 4 1       $\leftarrow$ ID 470



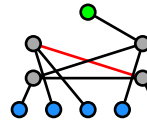
ID: 592  $V_{1^{n-1}} \boxtimes V_1$   
n: 7 4 1       $\leftarrow$ ID 475



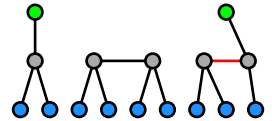
ID: 593  $V_{1^{n-1}} \boxtimes V_1$   
n: 7 4 1       $\leftarrow$ ID 463



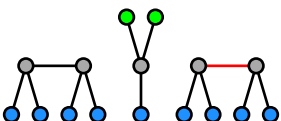
ID: 594  $V_{1^{n-1}} \boxtimes V_1$   
n: 7 4 1       $\leftarrow$ ID 461



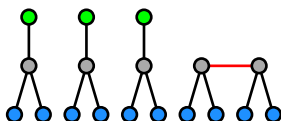
ID: 599  $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$   
n: 4       $\leftarrow$ ID 480



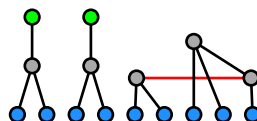
ID: 595  $V_{1^{n-2}} \boxtimes V_2$   
n: 4       $\leftarrow$ ID 477



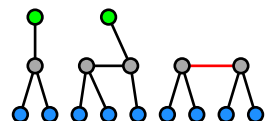
ID: 596  $V_{1^{n-3}} \boxtimes V_3$   
n: 4       $\leftarrow$ ID 389



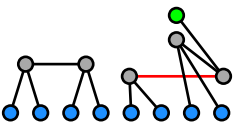
ID: 598  $V_{1^{n-2}} \boxtimes V_2$   
n: 4       $\leftarrow$ ID 479



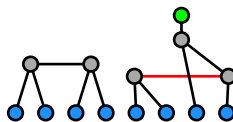
ID: 597  $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$   
n: 4       $\leftarrow$ ID 478



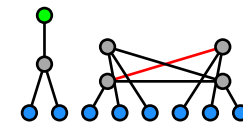
ID: 603  $V_{1^{n-1}} \boxtimes V_1$   
n: 4 1       $\leftarrow$ ID 500



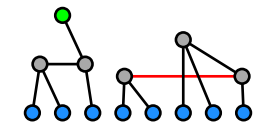
ID: 604  $V_{1^{n-1}} \boxtimes V_1$   
n: 4 1       $\leftarrow$ ID 501



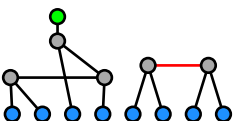
ID: 602  $V_{1^{n-1}} \boxtimes V_1$   
n: 4 1       $\leftarrow$ ID 495



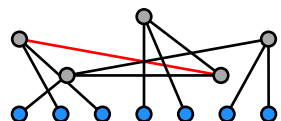
ID: 601  $V_{1^{n-1}} \boxtimes V_1$   
n: 4 1       $\leftarrow$ ID 489



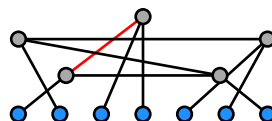
ID: 600  $V_{1^{n-1}} \boxtimes V_1$   
n: 4 1       $\leftarrow$ ID 485



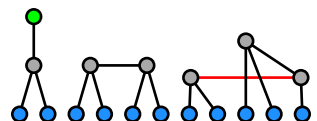
ID: 605  $V_{1^n}$   
n: 4 1       $\leftarrow$ ID 502



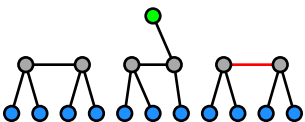
ID: 606  $V_{1^n}$   
n: 4 1



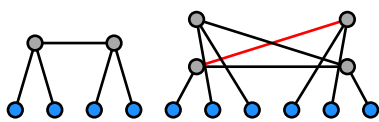
ID: 608  $V_{1^{n-1}} \boxtimes V_1$   
n: 1       $\leftarrow$ ID 515



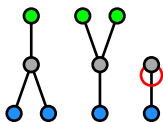
ID: 607  $V_{1^{n-1}} \boxtimes V_1$   
n: 1       $\leftarrow$ ID 508



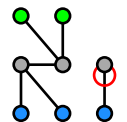
ID: 609  $V_{1^n}$   
n: 1       $\leftarrow$ ID 520



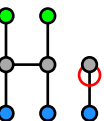
ID: 610  $V_{1^{n-3}} \boxtimes V_1 \boxtimes V_2$   
n: 10 7 4



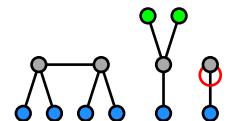
ID: 611  $V_{1^{n-2}} \boxtimes V_2$   
n: 10 7 4       $\leftarrow$ ID 522



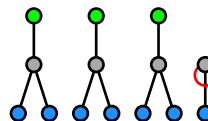
ID: 612  $V_{1^{n-2}} \boxtimes V_2$   
n: 10 7 4       $\leftarrow$ ID 524



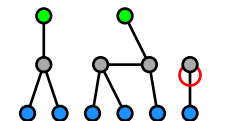
ID: 613  $V_{1^{n-2}} \boxtimes V_2$   
n: 7 4       $\leftarrow$ ID 528



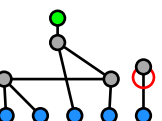
ID: 614  $V_{1^{n-3}} \boxtimes V_3$   
n: 7 4



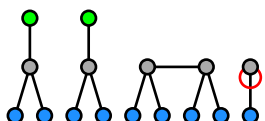
ID: 615  $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$   
n: 7 4       $\leftarrow$ ID 529



ID: 616  $V_{1^{n-1}} \boxtimes V_1$   
n: 7 4 1       $\leftarrow$ ID 534



ID: 617  $V_{1^{n-2}} \boxtimes V_2$   
n: 4       $\leftarrow$ ID 537



ID: 618  $V_{1^{n-1}} \boxtimes V_1$   
n: 4 1       $\leftarrow$ ID 540

