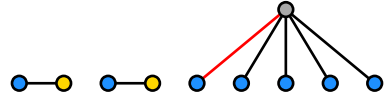


----- excess: 4 (g,n): (1, 13), (3, 10), (5, 7), (7, 4), (9, 1) graphs: 491 -----
 ----- edges: 10-n graphs: 10 -----
 --- A3 case graphs: 10 ---

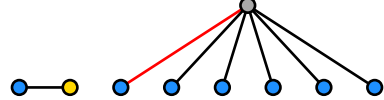
ID: 534 V_{1^n}
n: 4 1



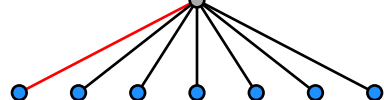
ID: 470 V_{1^n}
n: 4 1



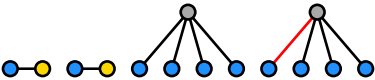
ID: 274 V_{1^n}
n: 4 1



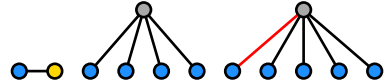
ID: 129 V_{1^n}
n: 4 1



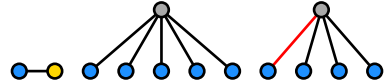
ID: 535 V_{1^n}
n: 1



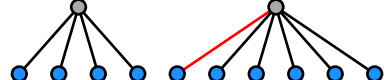
ID: 478 V_{1^n}
n: 1



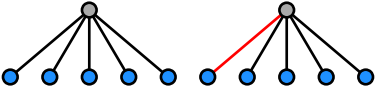
ID: 395 V_{1^n}
n: 1



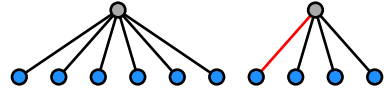
ID: 304 V_{1^n}
n: 1



ID: 565 V_{1^n}
n: 1

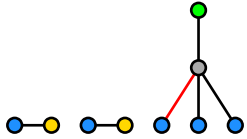


ID: 230 V_{1^n}
n: 1

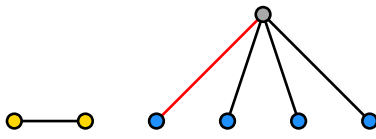


----- edges: 11-n graphs: 64 -----
 --- A3 case graphs: 45 ---

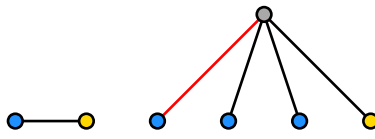
ID: 471 $V_1^{n-1} \boxtimes V_1$
 n: 7 4 1



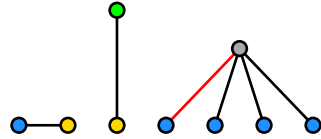
ID: 229 V_1^n
 n: 7 4 1



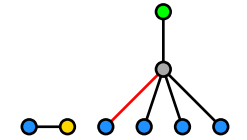
ID: 275 V_1^n
 n: 7 4 1



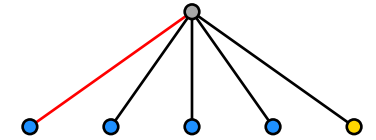
ID: 394 $V_1^{n-1} \boxtimes V_1$
 n: 7 4 1



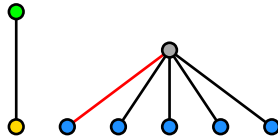
ID: 276 $V_1^{n-1} \boxtimes V_1$
 n: 7 4 1



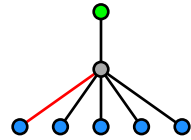
ID: 130 V_1^n
 n: 7 4 1



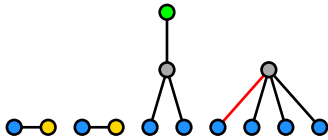
ID: 564 $V_1^{n-1} \boxtimes V_1$
 n: 7 4 1



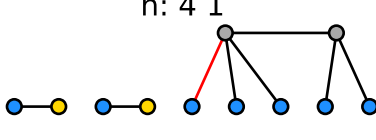
ID: 131 $V_1^{n-1} \boxtimes V_1$
 n: 7 4 1



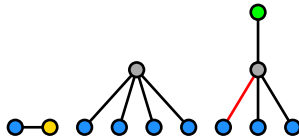
ID: 536 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



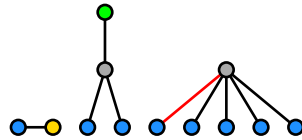
ID: 472 V_1^n
 n: 4 1



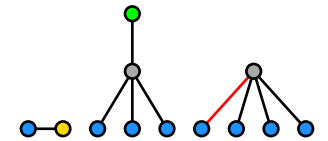
ID: 479 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



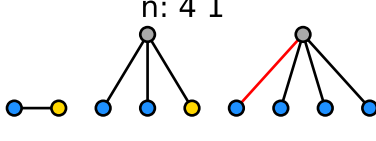
ID: 486 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



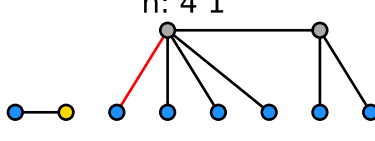
ID: 397 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



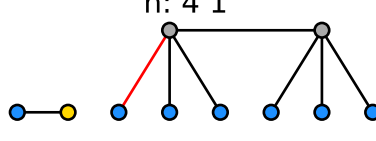
ID: 396 V_1^n
 n: 4 1



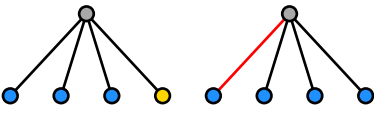
ID: 278 V_1^n
 n: 4 1



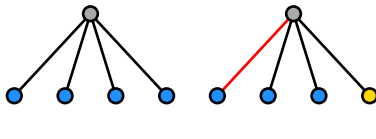
ID: 279 V_1^n
 n: 4 1



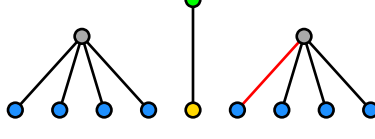
ID: 231 V_1^n
 n: 4 1



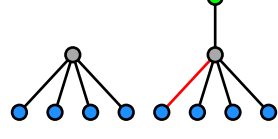
ID: 305 V_1^n
 n: 4 1



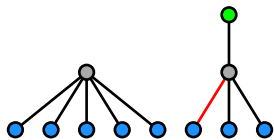
ID: 401 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



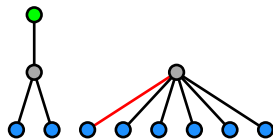
ID: 306 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



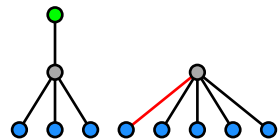
ID: 572 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



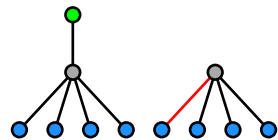
ID: 334 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



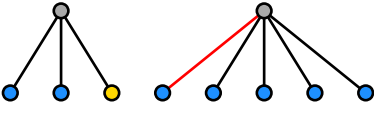
ID: 567 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



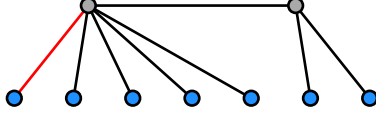
ID: 232 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



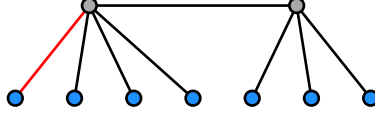
ID: 566 V_1^n
 n: 4 1



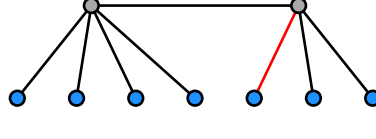
ID: 135 V_1^n
 n: 4 1



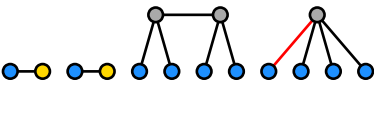
ID: 136 V_1^n
 n: 4 1



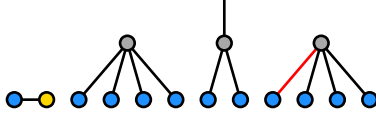
ID: 137 V_1^n
 n: 4 1



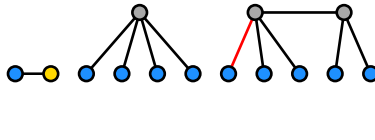
ID: 537 V_1^n
 n: 1



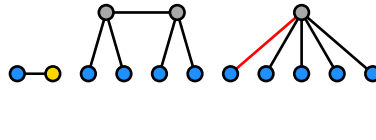
ID: 538 $V_1^{n-1} \boxtimes V_1$
 n: 1



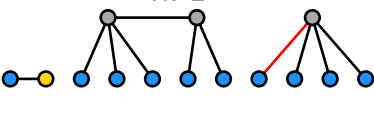
ID: 480 V_1^n
 n: 1



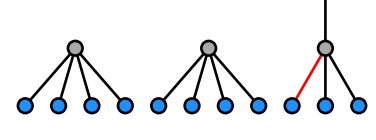
ID: 494 V_1^n
 n: 1



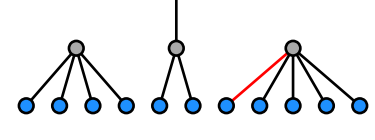
ID: 399 V_1^n
 n: 1



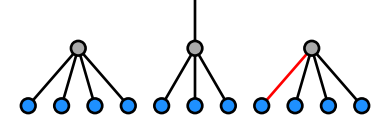
ID: 502 $V_1^{n-1} \boxtimes V_1$
 n: 1



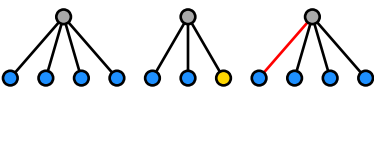
ID: 506 $V_1^{n-1} \boxtimes V_1$
 n: 1



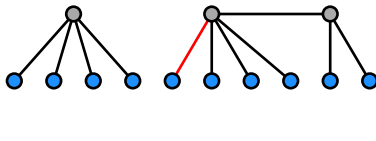
ID: 403 $V_1^{n-1} \boxtimes V_1$
 n: 1



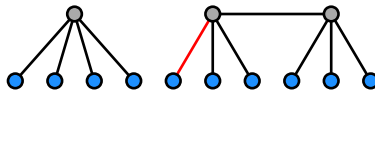
ID: 402 V_1^n
 n: 1



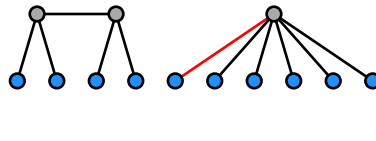
ID: 308 V_1^n
 n: 1



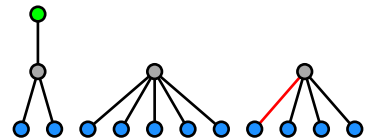
ID: 309 V_1^n
 n: 1



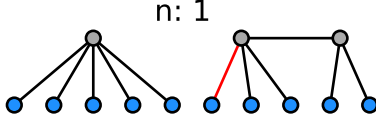
ID: 364 V_1^n
 n: 1



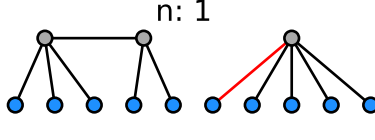
ID: 407 $V_1^{n-1} \boxtimes V_1$
 n: 1



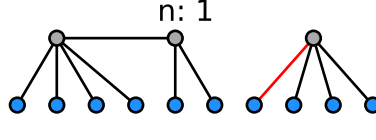
ID: 579 V_1^n
 n: 1



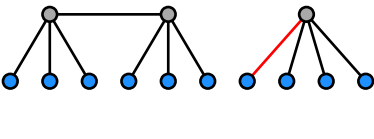
ID: 569 V_1^n
 n: 1



ID: 235 V_1^n
 n: 1

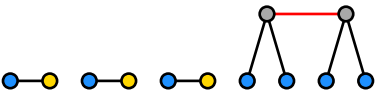


ID: 236 V_1^n
 n: 1

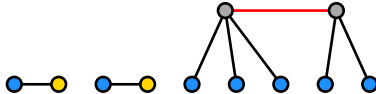


--- B,Birr cases without weight 11 relations graphs: 19 ---

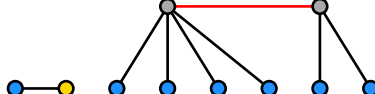
ID: 542 V_1^n
n: 4 1



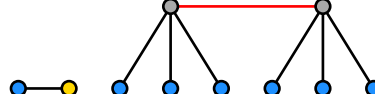
ID: 475 V_1^n
n: 4 1



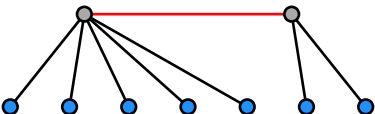
ID: 291 V_1^n
n: 4 1



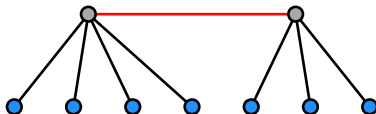
ID: 292 V_1^n
n: 4 1



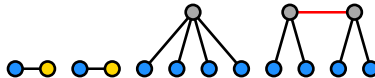
ID: 188 V_1^n
n: 4 1



ID: 189 V_1^n
n: 4 1



ID: 543 V_1^n
n: 1



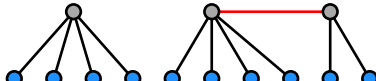
ID: 483 V_1^n
n: 1



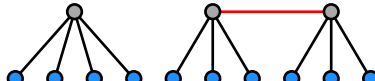
ID: 419 V_1^n
n: 1



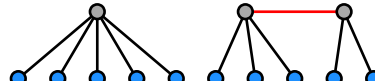
ID: 321 V_1^n
n: 1



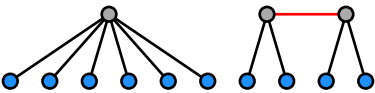
ID: 322 V_1^n
n: 1



ID: 600 V_1^n
n: 1



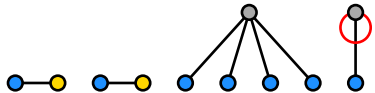
ID: 245 V_1^n
n: 1



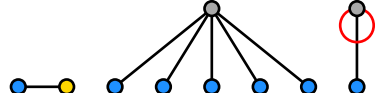
ID: 550 V_1^n
n: 7 4 1



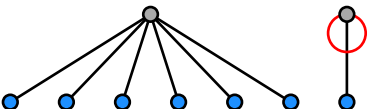
ID: 551 V_1^n
n: 4 1



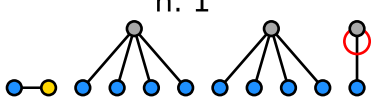
ID: 443 V_1^n
n: 4 1



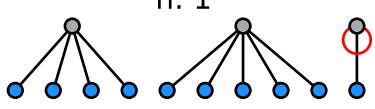
ID: 260 V_1^n
n: 4 1



ID: 554 V_1^n
n: 1

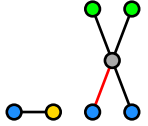


ID: 450 V_1^n
n: 1

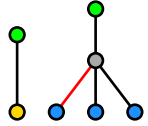


----- edges: 12-n graphs: 165
 --- A3 case graphs: 66

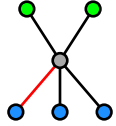
ID: 277 $V_1^{n-2} \boxtimes V_2$
 n: 10 7 4



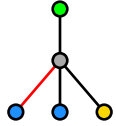
ID: 571 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
 n: 10 7 4



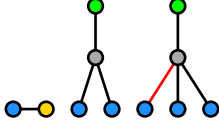
ID: 133 $V_1^{n-2} \boxtimes V_2$
 n: 10 7 4



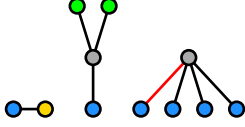
ID: 132 $V_1^{n-1} \boxtimes V_1$
 n: 10 7 4 1



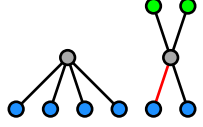
ID: 487 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
 n: 7 4



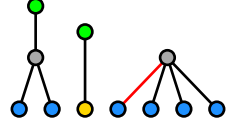
ID: 398 $V_1^{n-2} \boxtimes V_2$
 n: 7 4



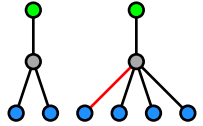
ID: 307 $V_1^{n-2} \boxtimes V_2$
 n: 7 4



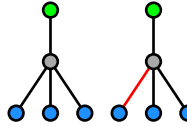
ID: 406 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
 n: 7 4



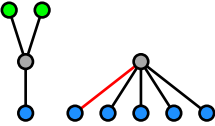
ID: 336 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
 n: 7 4



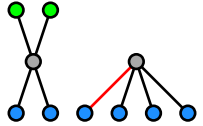
ID: 574 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
 n: 7 4



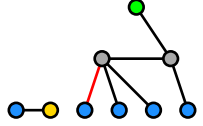
ID: 568 $V_1^{n-2} \boxtimes V_2$
 n: 7 4



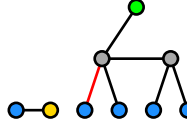
ID: 234 $V_1^{n-2} \boxtimes V_2$
 n: 7 4



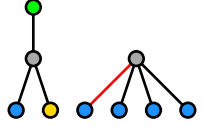
ID: 280 $V_1^{n-1} \boxtimes V_1$
 n: 7 4 1



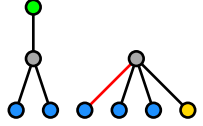
ID: 281 $V_1^{n-1} \boxtimes V_1$
 n: 7 4 1



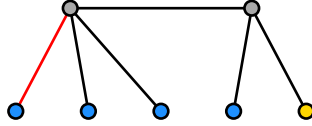
ID: 233 $V_1^{n-1} \boxtimes V_1$
 n: 7 4 1



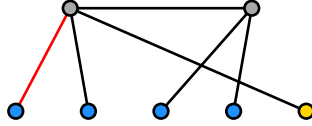
ID: 335 $V_1^{n-1} \boxtimes V_1$
 n: 7 4 1



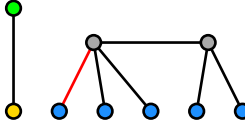
ID: 138 V_1^n
 n: 7 4 1



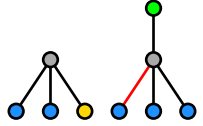
ID: 139 V_1^n
 n: 7 4 1



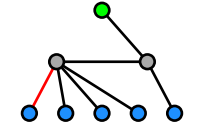
ID: 578 $V_1^{n-1} \boxtimes V_1$
 n: 7 4 1



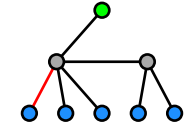
ID: 573 $V_1^{n-1} \boxtimes V_1$
 n: 7 4 1



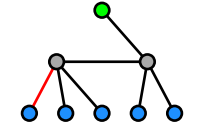
ID: 140 $V_1^{n-1} \boxtimes V_1$
 n: 7 4 1



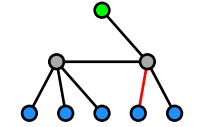
ID: 141 $V_1^{n-1} \boxtimes V_1$
 n: 7 4 1



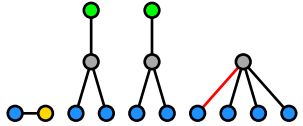
ID: 142 $V_1^{n-1} \boxtimes V_1$
 n: 7 4 1



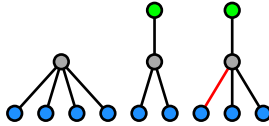
ID: 143 $V_1^{n-1} \boxtimes V_1$
 n: 7 4 1



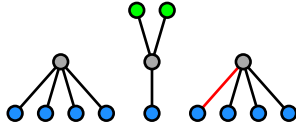
ID: 539 $V_1^{n-2} \boxtimes V_2$
 n: 4



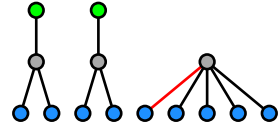
ID: 507 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
 n: 4



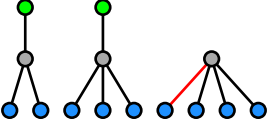
ID: 404 $V_1^{n-2} \boxtimes V_2$
 n: 4



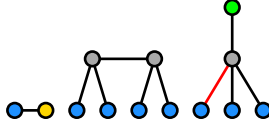
ID: 518 $V_1^{n-2} \boxtimes V_2$
 n: 4



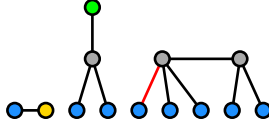
ID: 409 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
 n: 4



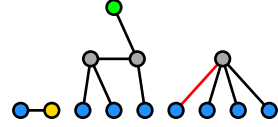
ID: 495 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



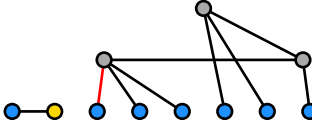
ID: 488 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



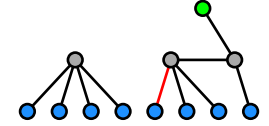
ID: 400 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



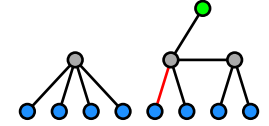
ID: 282 V_1^n
 n: 4 1



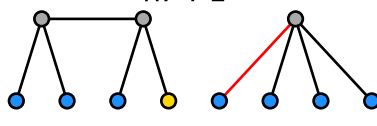
ID: 310 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



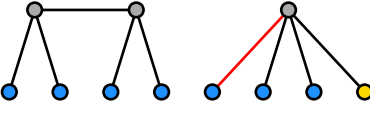
ID: 311 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



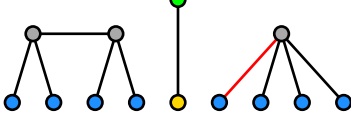
ID: 237 V_1^n
 n: 4 1



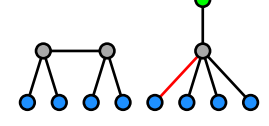
ID: 365 V_1^n
 n: 4 1



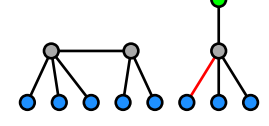
ID: 413 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



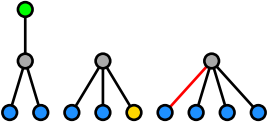
ID: 366 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



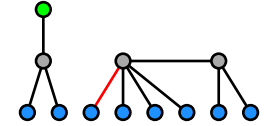
ID: 576 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



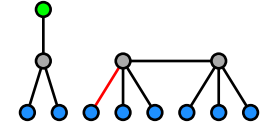
ID: 408 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



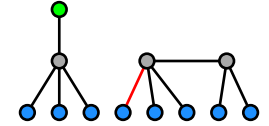
ID: 338 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



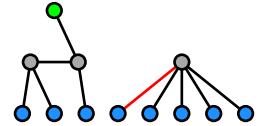
ID: 339 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



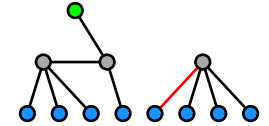
ID: 581 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



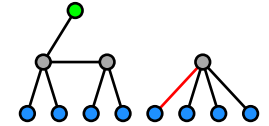
ID: 570 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



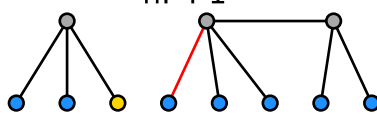
ID: 238 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



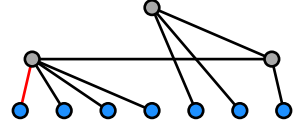
ID: 239 $V_1^{n-1} \boxtimes V_1$
 n: 4 1



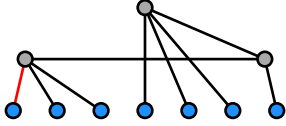
ID: 580 V_1^n
 n: 4 1



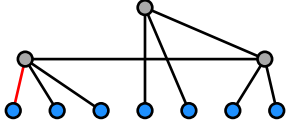
ID: 147 V_1^n
 n: 4 1



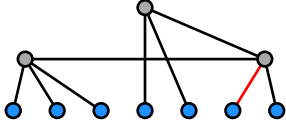
ID: 148 V_1^n
 n: 4 1



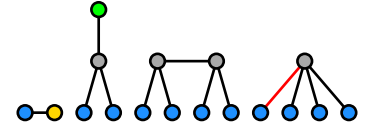
ID: 149 V_1^n
 n: 4 1



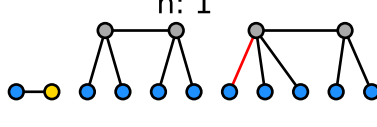
ID: 150 V_1^n
 n: 4 1



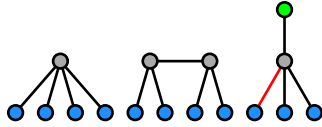
ID: 540 $V_1^{n-1} \boxtimes V_1$
 n: 1



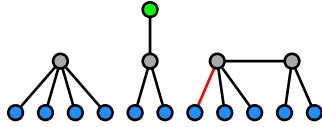
ID: 496 V_1^n
 n: 1



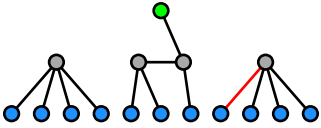
ID: 514 $V_1^{n-1} \boxtimes V_1$
 n: 1



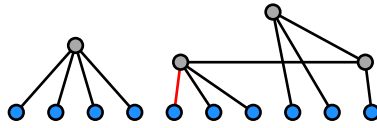
ID: 508 $V_1^{n-1} \boxtimes V_1$
 n: 1



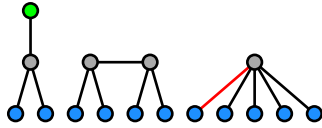
ID: 405 $V_1^{n-1} \boxtimes V_1$
 n: 1



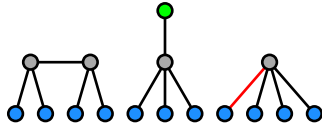
ID: 312 V_1^n
 n: 1



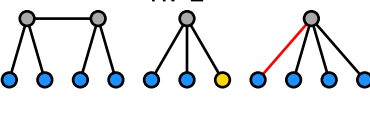
ID: 526 $V_1^{n-1} \boxtimes V_1$
 n: 1



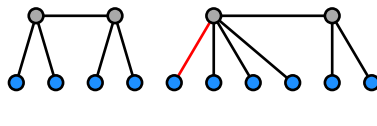
ID: 415 $V_1^{n-1} \boxtimes V_1$
 n: 1



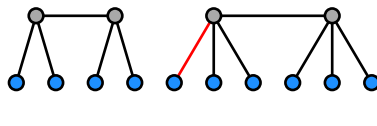
ID: 414 V_1^n
 n: 1



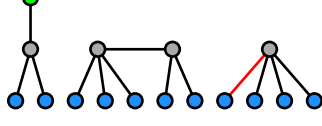
ID: 368 V_1^n
 n: 1



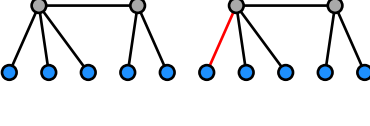
ID: 369 V_1^n
 n: 1



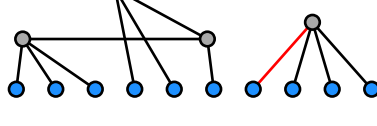
ID: 411 $V_1^{n-1} \boxtimes V_1$
 n: 1



ID: 583 V_1^n
 n: 1

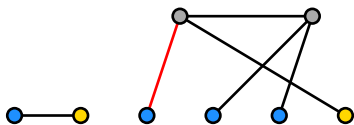


ID: 242 V_1^n
 n: 1

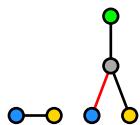


--- A2 case with weight 13 relations relation groups: 4 ---

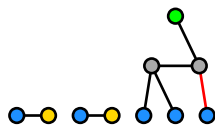
ID: 284 V_1^n
n: 7 4 1



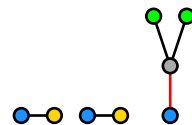
ID: 283 $V_1^{n-1} \boxtimes V_1$
n: 10 7 4 1



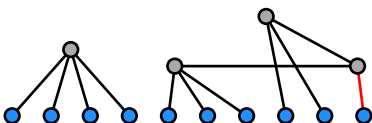
ID: 474 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



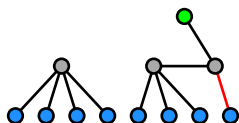
ID: 473 $V_1^{n-2} \boxtimes V_2$
n: 10 7 4



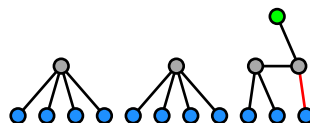
ID: 317 V_1^n
n: 1



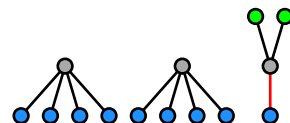
ID: 315 $V_1^{n-1} \boxtimes V_1$
n: 4 1



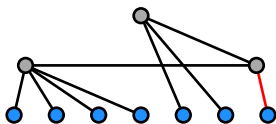
ID: 504 $V_1^{n-1} \boxtimes V_1$
n: 1



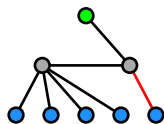
ID: 503 $V_1^{n-2} \boxtimes V_2$
n: 4



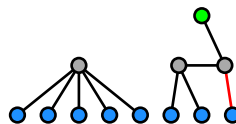
ID: 164 V_1^n
n: 4 1



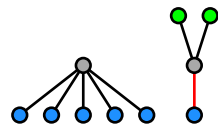
ID: 158 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



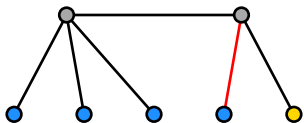
ID: 593 $V_1^{n-1} \boxtimes V_1$
n: 4 1



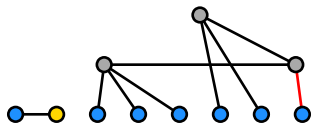
ID: 586 $V_1^{n-2} \boxtimes V_2$
n: 7 4



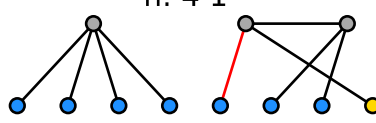
ID: 157 V_1^n
n: 7 4 1



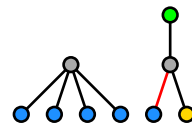
ID: 287 V_1^n
n: 4 1



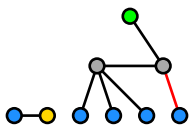
ID: 314 V_1^n
n: 4 1



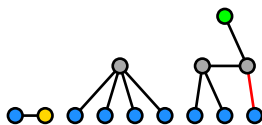
ID: 313 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



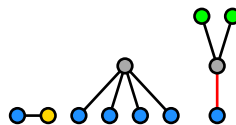
ID: 285 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



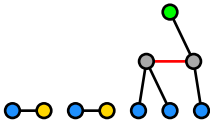
ID: 482 $V_1^{n-1} \boxtimes V_1$
n: 4 1



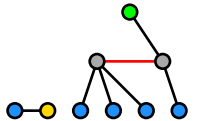
ID: 481 $V_1^{n-2} \boxtimes V_2$
n: 7 4



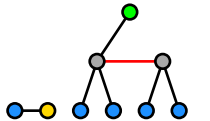
ID: 476 $V_{1^{n-1}} \boxtimes V_1$
n: 7 4 1



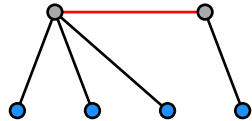
ID: 294 $V_{1^{n-1}} \boxtimes V_1$
n: 7 4 1



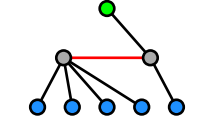
ID: 295 $V_{1^{n-1}} \boxtimes V_1$
n: 7 4 1



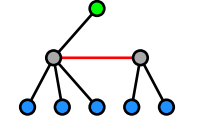
ID: 187 V_{1^n}
n: 7 4 1



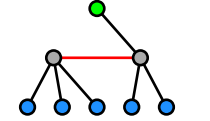
ID: 192 $V_{1^{n-1}} \boxtimes V_1$
n: 7 4 1



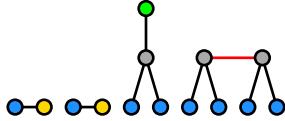
ID: 193 $V_{1^{n-1}} \boxtimes V_1$
n: 7 4 1



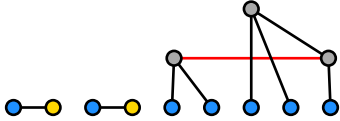
ID: 194 $V_{1^{n-1}} \boxtimes V_1$
n: 7 4 1



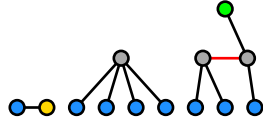
ID: 544 $V_{1^{n-1}} \boxtimes V_1$
n: 4 1



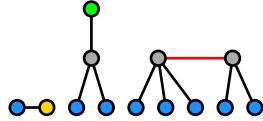
ID: 477 V_{1^n}
n: 4 1



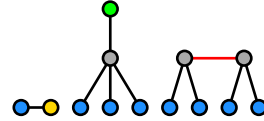
ID: 484 $V_{1^{n-1}} \boxtimes V_1$
n: 4 1



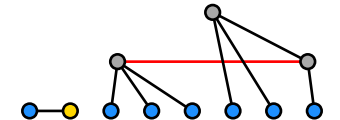
ID: 491 $V_{1^{n-1}} \boxtimes V_1$
n: 4 1



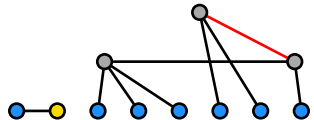
ID: 421 $V_{1^{n-1}} \boxtimes V_1$
n: 4 1



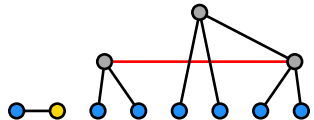
ID: 297 V_{1^n}
n: 4 1



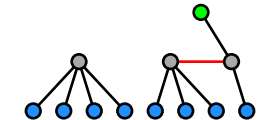
ID: 298 V_{1^n}
n: 4 1



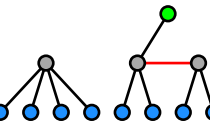
ID: 299 V_{1^n}
n: 4 1



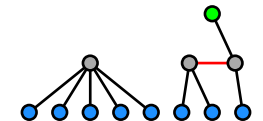
ID: 324 $V_{1^{n-1}} \boxtimes V_1$
n: 4 1



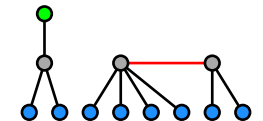
ID: 325 $V_{1^{n-1}} \boxtimes V_1$
n: 4 1



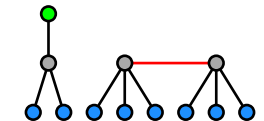
ID: 607 $V_{1^{n-1}} \boxtimes V_1$
n: 4 1



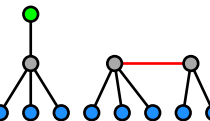
ID: 351 $V_{1^{n-1}} \boxtimes V_1$
n: 4 1



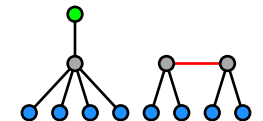
ID: 352 $V_{1^{n-1}} \boxtimes V_1$
n: 4 1



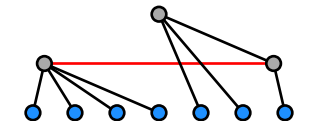
ID: 602 $V_{1^{n-1}} \boxtimes V_1$
n: 4 1



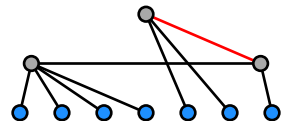
ID: 247 $V_{1^{n-1}} \boxtimes V_1$
n: 4 1



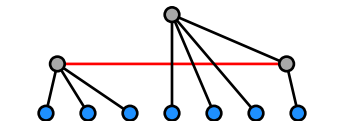
ID: 199 V_{1^n}
n: 4 1



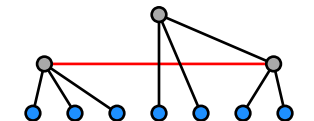
ID: 200 V_{1^n}
n: 4 1



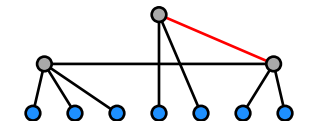
ID: 201 V_{1^n}
n: 4 1



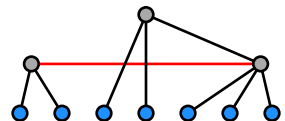
ID: 202 V_{1^n}
n: 4 1



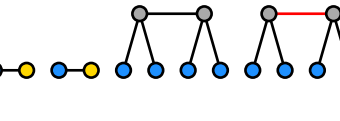
ID: 203 V_{1^n}
n: 4 1



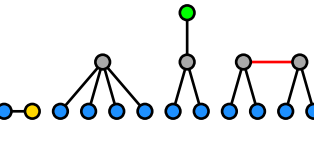
ID: 204 V_{1^n}
n: 4 1



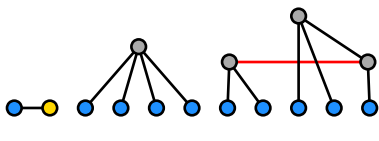
ID: 545 V_{1^n}
n: 1



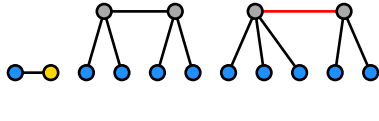
ID: 546 $V_{1^{n-1}} \boxtimes V_1$
n: 1



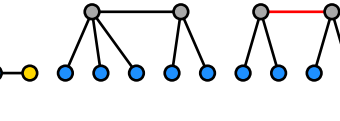
ID: 485 V_{1^n}
n: 1



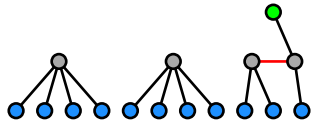
ID: 499 V_{1^n}
n: 1



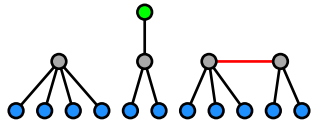
ID: 423 V_{1^n}
n: 1



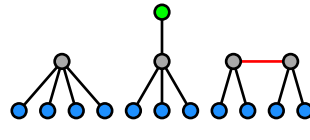
ID: 505 $V_{1^{n-1}} \boxtimes V_1$
n: 1



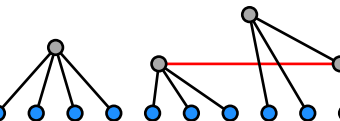
ID: 511 $V_{1^{n-1}} \boxtimes V_1$
n: 1



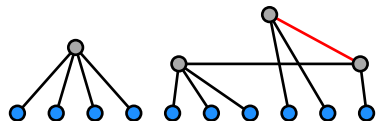
ID: 427 $V_{1^{n-1}} \boxtimes V_1$
n: 1



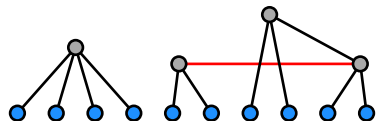
ID: 327 V_{1^n}
n: 1



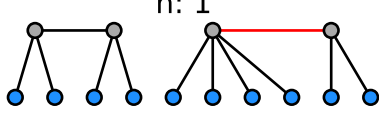
ID: 328 V_{1^n}
n: 1



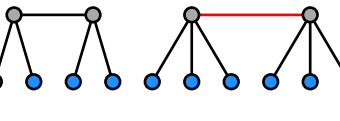
ID: 329 V_{1^n}
n: 1



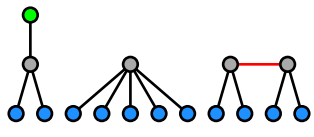
ID: 381 V_{1^n}
n: 1



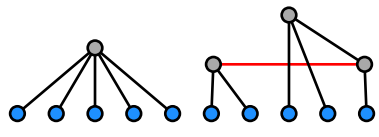
ID: 382 V_{1^n}
n: 1



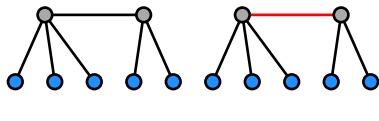
ID: 431 $V_{1^{n-1}} \boxtimes V_1$
n: 1



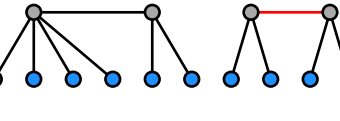
ID: 614 V_{1^n}
n: 1



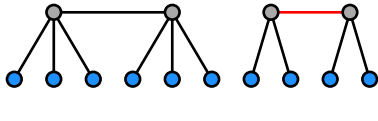
ID: 604 V_{1^n}
n: 1



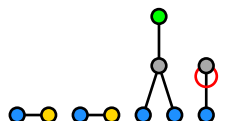
ID: 250 V_{1^n}
n: 1



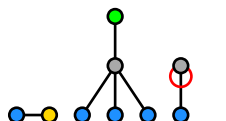
ID: 251 V_{1^n}
n: 1



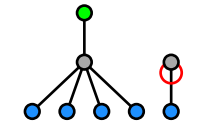
ID: 552 $V_{1^{n-1}} \boxtimes V_1$
n: 7 4 1



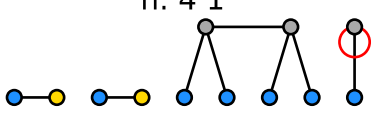
ID: 445 $V_{1^{n-1}} \boxtimes V_1$
n: 7 4 1



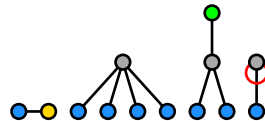
ID: 262 $V_{1^{n-1}} \boxtimes V_1$
n: 7 4 1



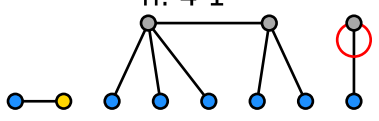
ID: 553 V_{1^n}
n: 4 1



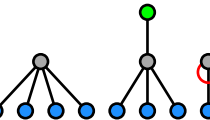
ID: 555 $V_{1^{n-1}} \boxtimes V_1$
n: 4 1



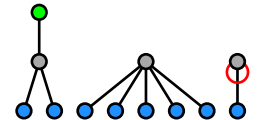
ID: 447 V_{1^n}
n: 4 1



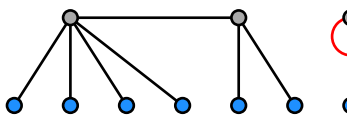
ID: 452 $V_{1^{n-1}} \boxtimes V_1$
n: 4 1



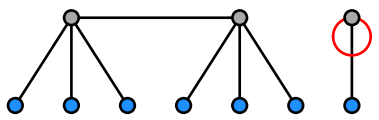
ID: 457 $V_{1^{n-1}} \boxtimes V_1$
n: 4 1



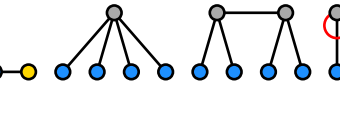
ID: 265 V_{1^n}
n: 4 1



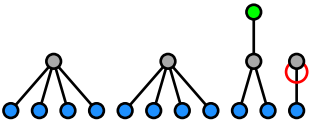
ID: 266 V_{1^n}
n: 4 1



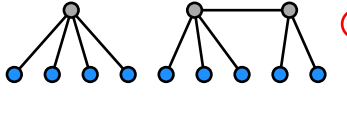
ID: 556 V_{1^n}
n: 1



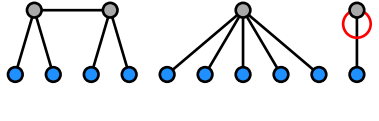
ID: 559 $V_{1^{n-1}} \boxtimes V_1$
n: 1



ID: 454 V_{1^n}
n: 1

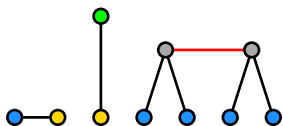


ID: 464 V_{1^n}
n: 1

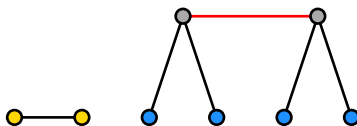


--- B,Birr cases with weight 11 relations relation groups: 5 ---

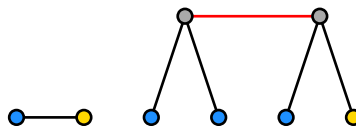
ID: 418 $V_{1^{n-1}} \boxtimes V_1$
n: 7 4 1



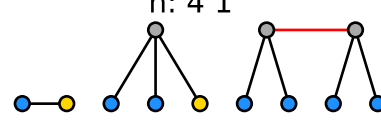
ID: 244 V_{1^n}
n: 7 4 1



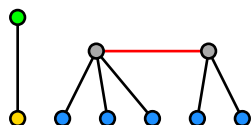
ID: 293 V_{1^n}
n: 7 4 1



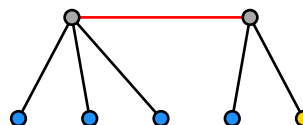
ID: 420 V_{1^n}
n: 4 1



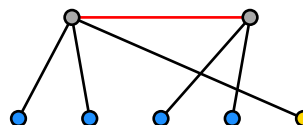
ID: 599 $V_{1^{n-1}} \boxtimes V_1$
n: 7 4 1



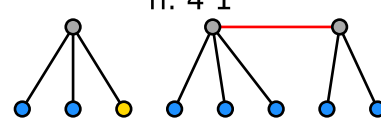
ID: 190 V_{1^n}
n: 7 4 1



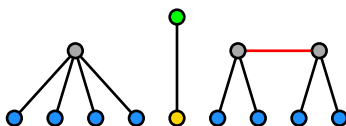
ID: 191 V_{1^n}
n: 7 4 1



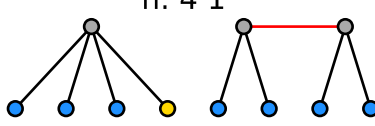
ID: 601 V_{1^n}
n: 4 1



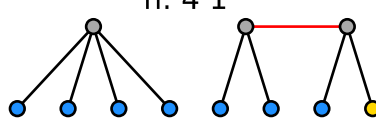
ID: 425 $V_{1^{n-1}} \boxtimes V_1$
n: 4 1



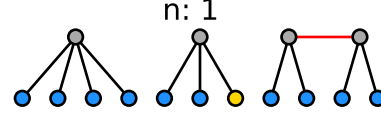
ID: 246 V_{1^n}
n: 4 1



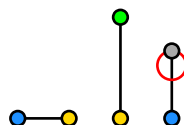
ID: 323 V_{1^n}
n: 4 1



ID: 426 V_{1^n}
n: 1



ID: 442 $V_{1^{n-1}} \boxtimes V_1$
n: 10 7 4 1



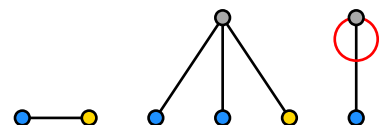
ID: 259 V_{1^n}
n: 10 7 4 1



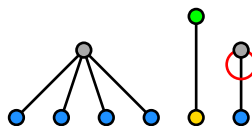
ID: 303 V_{1^n}
n: 10 7 4 1



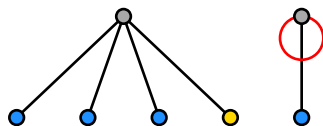
ID: 444 V_{1^n}
n: 7 4 1



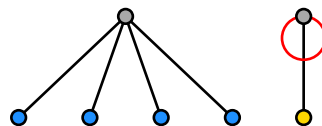
ID: 449 $V_{1^{n-1}} \boxtimes V_1$
n: 7 4 1



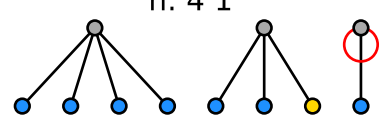
ID: 261 V_{1^n}
n: 7 4 1



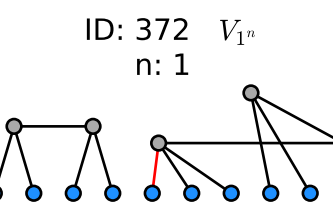
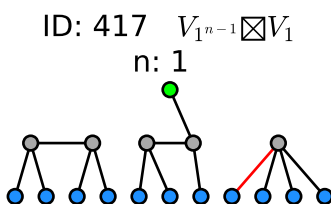
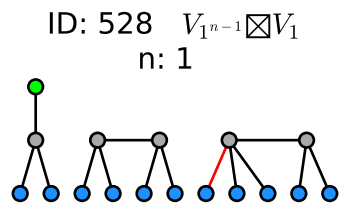
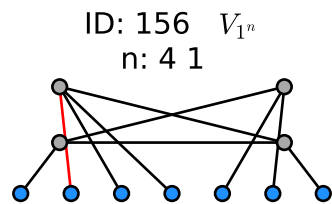
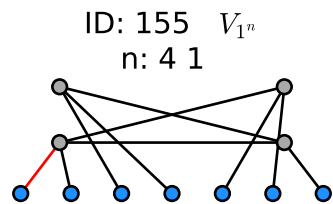
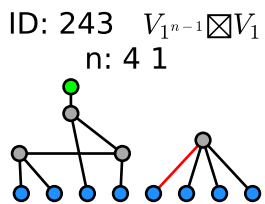
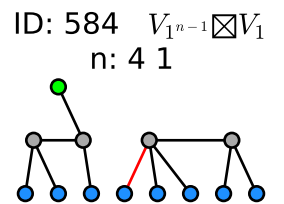
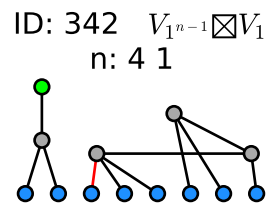
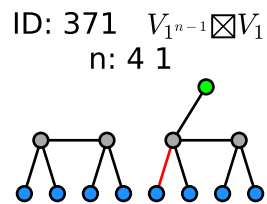
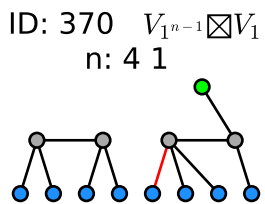
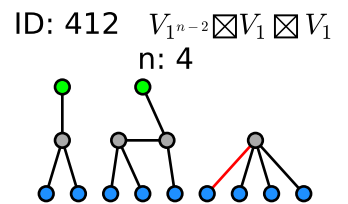
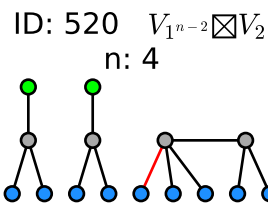
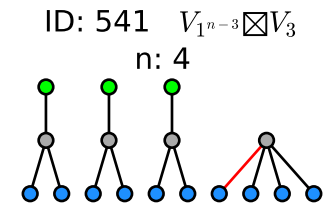
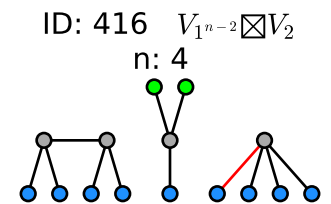
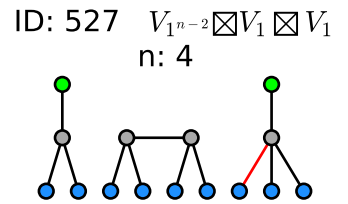
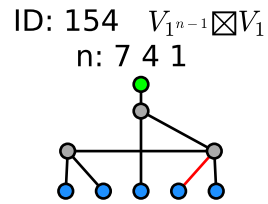
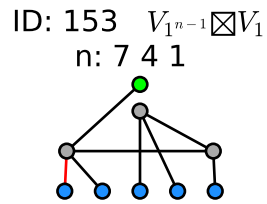
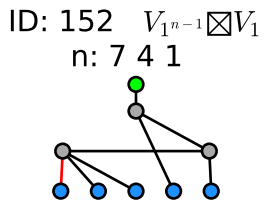
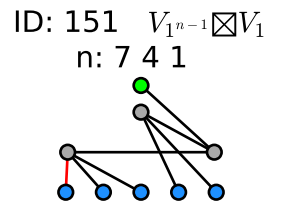
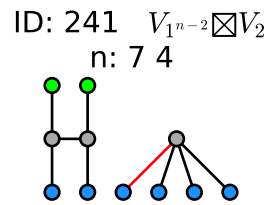
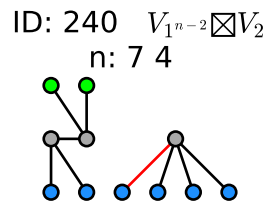
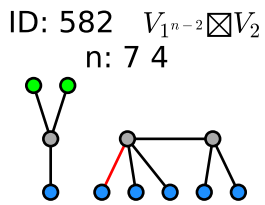
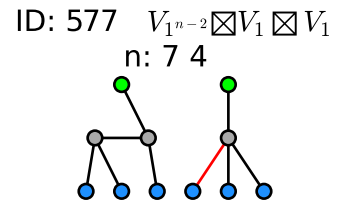
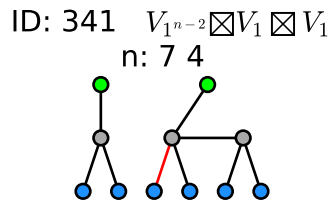
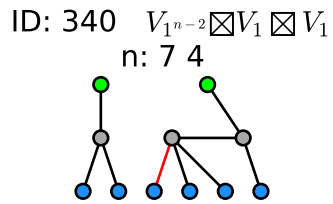
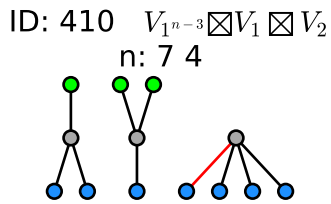
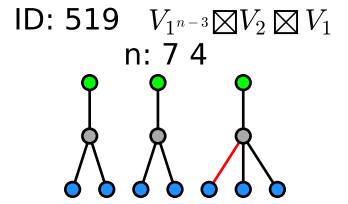
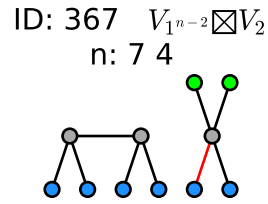
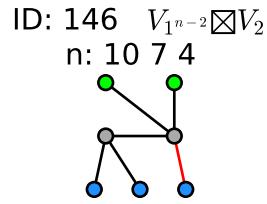
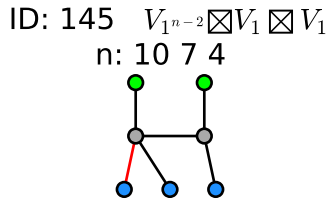
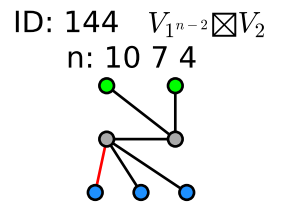
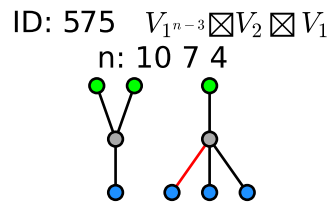
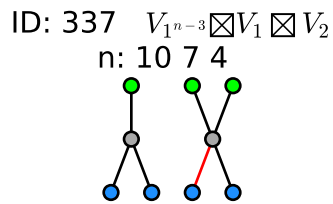
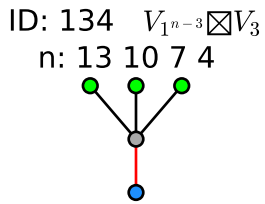
ID: 333 V_{1^n}
n: 7 4 1



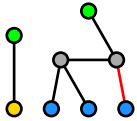
ID: 451 V_{1^n}
n: 4 1



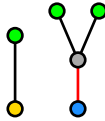
----- edges: 13-n graphs: 176 -----
 --- A3 case graphs: 34 ---



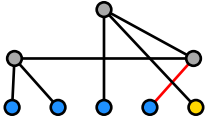
ID: 592 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 10 7 4



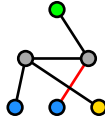
ID: 585 $V_1^{n-3} \boxtimes V_1 \boxtimes V_2$
n: 13 10 7 4



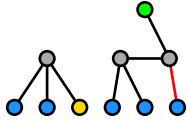
ID: 166 V_1^n
n: 7 4 1



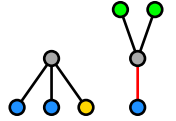
ID: 160 $V_1^{n-1} \boxtimes V_1$
n: 10 7 4 1



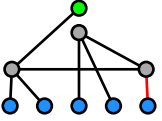
ID: 594 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



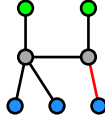
ID: 587 $V_1^{n-2} \boxtimes V_2$
n: 10 7 4



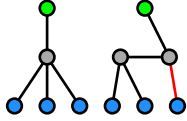
ID: 170 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



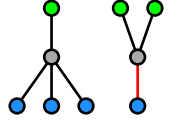
ID: 161 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 10 7 4



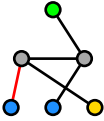
ID: 595 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 7 4



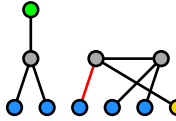
ID: 588 $V_1^{n-3} \boxtimes V_1 \boxtimes V_2$
n: 10 7 4



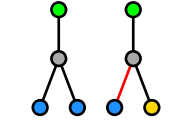
ID: 159 $V_1^{n-1} \boxtimes V_1$
n: 10 7 4 1



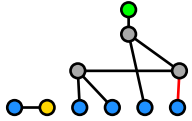
ID: 344 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



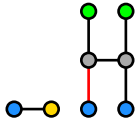
ID: 343 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 10 7 4



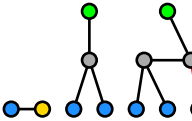
ID: 289 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



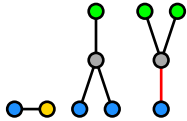
ID: 286 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 10 7 4



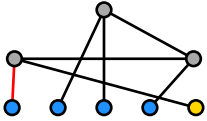
ID: 490 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 7 4



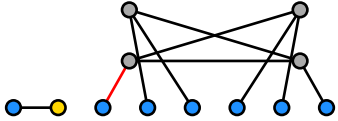
ID: 489 $V_1^{n-3} \boxtimes V_1 \boxtimes V_2$
n: 10 7 4



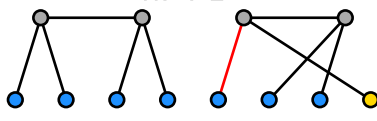
ID: 165 V_1^n
n: 7 4 1



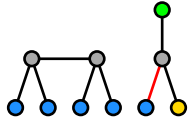
ID: 290 V_1^n
n: 4 1



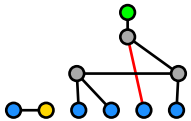
ID: 374 V_1^n
n: 4 1



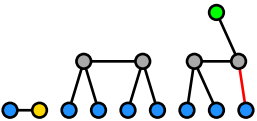
ID: 373 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



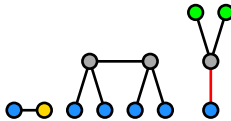
ID: 288 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



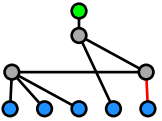
ID: 498 $V_1^{n-1} \boxtimes V_1$
n: 4 1



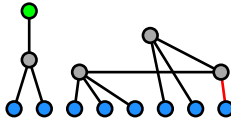
ID: 497 $V_1^{n-2} \boxtimes V_2$
n: 7 4



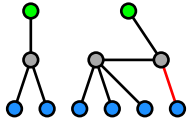
ID: 169 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



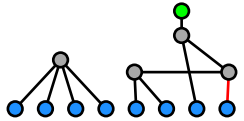
ID: 347 $V_1^{n-1} \boxtimes V_1$
n: 4 1



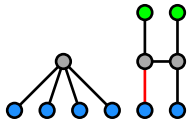
ID: 345 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 7 4



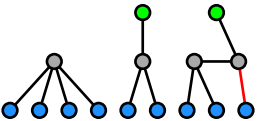
ID: 319 $V_1^{n-1} \boxtimes V_1$
n: 4 1



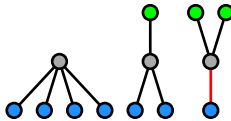
ID: 316 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 7 4



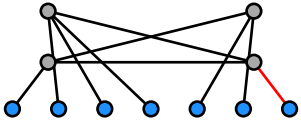
ID: 510 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 4



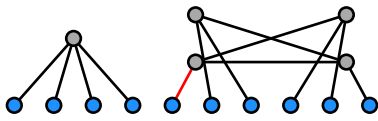
ID: 509 $V_1^{n-3} \boxtimes V_1 \boxtimes V_2$
n: 7 4



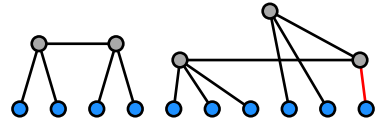
ID: 180 V_1^n
n: 4 1



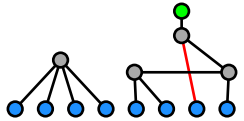
ID: 320 V_1^n
n: 1



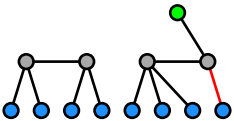
ID: 377 V_1^n
n: 1



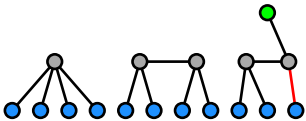
ID: 318 $V_1^{n-1} \boxtimes V_1$
n: 4 1



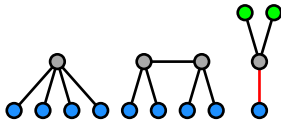
ID: 375 $V_1^{n-1} \boxtimes V_1$
n: 4 1



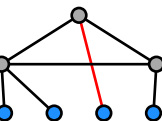
ID: 516 $V_1^{n-1} \boxtimes V_1$
n: 1



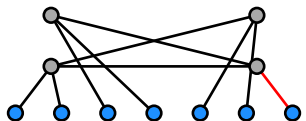
ID: 515 $V_1^{n-2} \boxtimes V_2$
n: 4



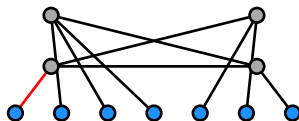
ID: 163 V_1^n
n: 7 4 1



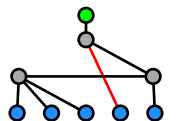
ID: 178 V_1^n
n: 4 1



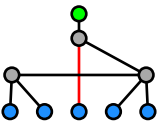
ID: 179 V_1^n
n: 4 1



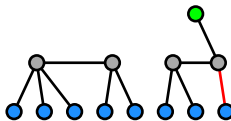
ID: 168 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



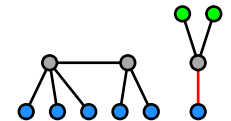
ID: 171 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



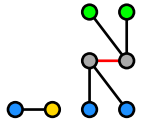
ID: 597 $V_1^{n-1} \boxtimes V_1$
n: 4 1



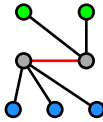
ID: 590 $V_1^{n-2} \boxtimes V_2$
n: 7 4



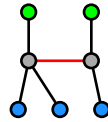
ID: 296 $V_1^{n-2} \boxtimes V_2$
n: 10 7 4



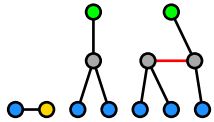
ID: 196 $V_1^{n-2} \boxtimes V_2$
n: 10 7 4



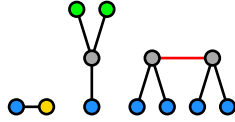
ID: 197 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 10 7 4



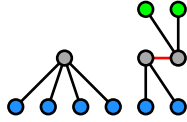
ID: 492 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 7 4



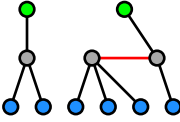
ID: 422 $V_1^{n-2} \boxtimes V_2$
n: 7 4



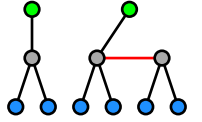
ID: 326 $V_1^{n-2} \boxtimes V_2$
n: 7 4



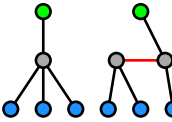
ID: 354 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 7 4



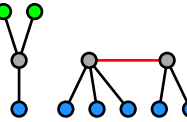
ID: 355 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 7 4



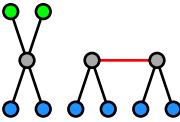
ID: 609 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 7 4



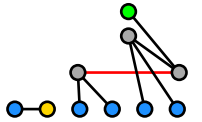
ID: 603 $V_1^{n-2} \boxtimes V_2$
n: 7 4



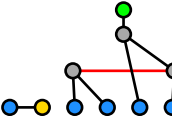
ID: 249 $V_1^{n-2} \boxtimes V_2$
n: 7 4



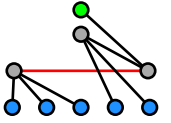
ID: 300 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



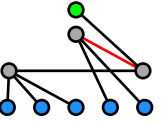
ID: 301 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



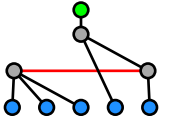
ID: 208 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



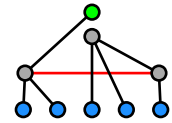
ID: 209 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



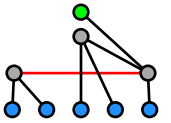
ID: 210 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



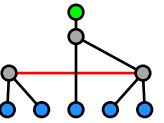
ID: 211 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



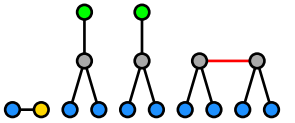
ID: 212 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



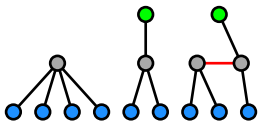
ID: 213 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



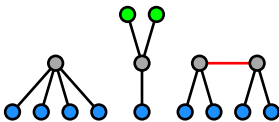
ID: 547 $V_1^{n-2} \boxtimes V_2$
n: 4



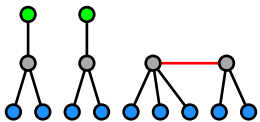
ID: 512 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 4



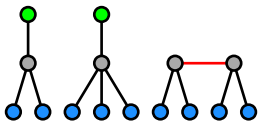
ID: 428 $V_1^{n-2} \boxtimes V_2$
n: 4



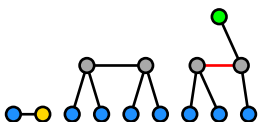
ID: 523 $V_1^{n-2} \boxtimes V_2$
n: 4



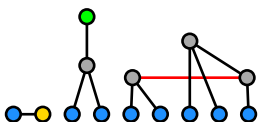
ID: 433 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 4



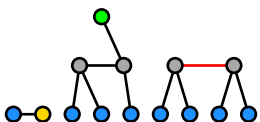
ID: 500 $V_1^{n-1} \boxtimes V_1$
n: 4 1



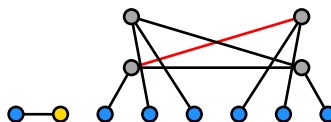
ID: 493 $V_1^{n-1} \boxtimes V_1$
n: 4 1



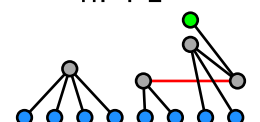
ID: 424 $V_1^{n-1} \boxtimes V_1$
n: 4 1



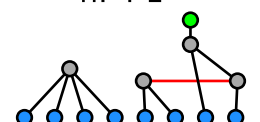
ID: 302 V_1^n
n: 4 1



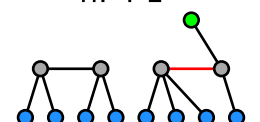
ID: 330 $V_1^{n-1} \boxtimes V_1$
n: 4 1



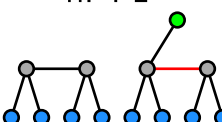
ID: 331 $V_1^{n-1} \boxtimes V_1$
n: 4 1



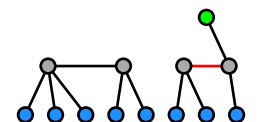
ID: 384 $V_1^{n-1} \boxtimes V_1$
n: 4 1



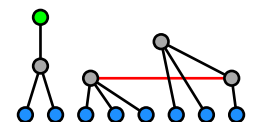
ID: 385 $V_1^{n-1} \boxtimes V_1$
n: 4 1



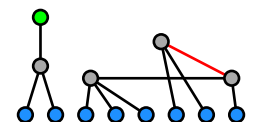
ID: 611 $V_1^{n-1} \boxtimes V_1$
n: 4 1



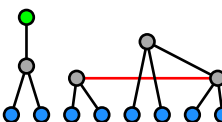
ID: 357 $V_1^{n-1} \boxtimes V_1$
n: 4 1



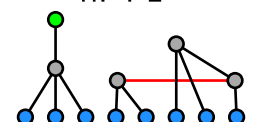
ID: 358 $V_1^{n-1} \boxtimes V_1$
n: 4 1



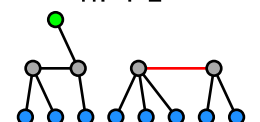
ID: 359 $V_1^{n-1} \boxtimes V_1$
n: 4 1



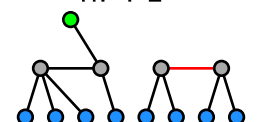
ID: 616 $V_1^{n-1} \boxtimes V_1$
n: 4 1



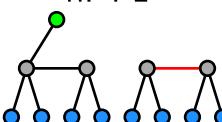
ID: 605 $V_1^{n-1} \boxtimes V_1$
n: 4 1



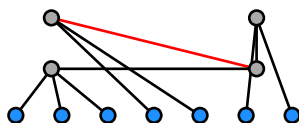
ID: 253 $V_1^{n-1} \boxtimes V_1$
n: 4 1



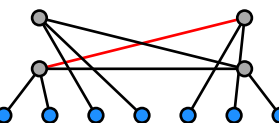
ID: 254 $V_1^{n-1} \boxtimes V_1$
n: 4 1



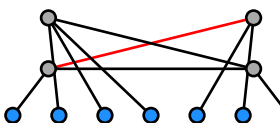
ID: 218 V_1^n
n: 4 1



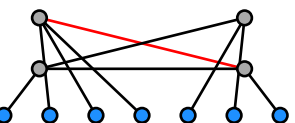
ID: 219 V_1^n
n: 4 1



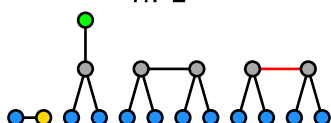
ID: 220 V_1^n
n: 4 1



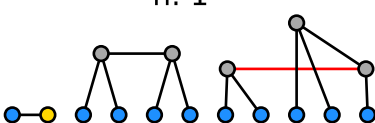
ID: 221 V_1^n
n: 4 1



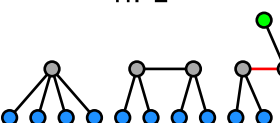
ID: 548 $V_1^{n-1} \boxtimes V_1$
n: 1



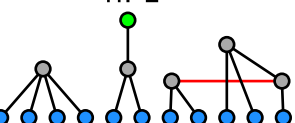
ID: 501 V_1^n
n: 1



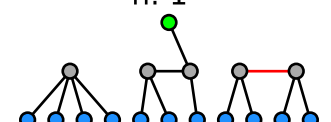
ID: 517 $V_1^{n-1} \boxtimes V_1$
n: 1



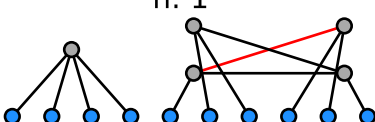
ID: 513 $V_1^{n-1} \boxtimes V_1$
n: 1



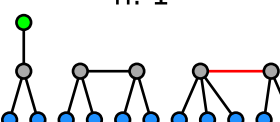
ID: 429 $V_1^{n-1} \boxtimes V_1$
n: 1



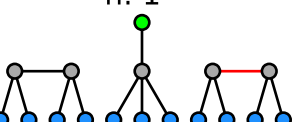
ID: 332 V_1^n
n: 1



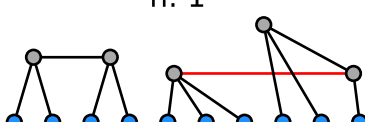
ID: 531 $V_1^{n-1} \boxtimes V_1$
n: 1



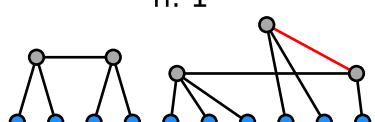
ID: 439 $V_1^{n-1} \boxtimes V_1$
n: 1



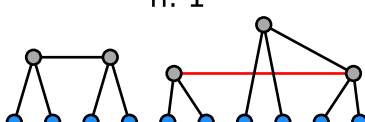
ID: 387 V_1^n
n: 1



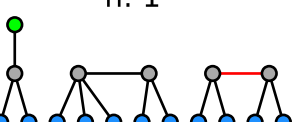
ID: 388 V_1^n
n: 1



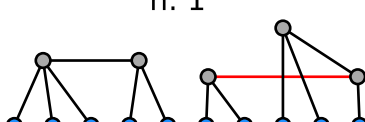
ID: 389 V_1^n
n: 1



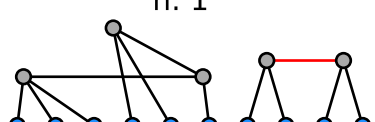
ID: 435 $V_1^{n-1} \boxtimes V_1$
n: 1



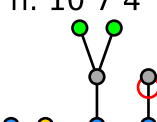
ID: 618 V_1^n
n: 1



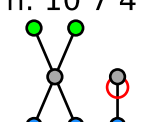
ID: 257 V_1^n
n: 1



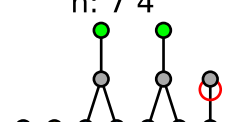
ID: 446 $V_1^{n-2} \boxtimes V_2$
n: 10 7 4



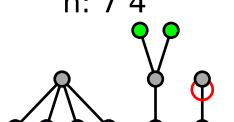
ID: 264 $V_1^{n-2} \boxtimes V_2$
n: 10 7 4



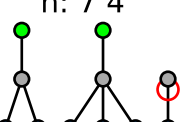
ID: 557 $V_1^{n-2} \boxtimes V_2$
n: 7 4



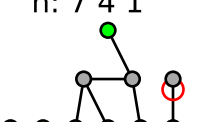
ID: 453 $V_1^{n-2} \boxtimes V_2$
n: 7 4



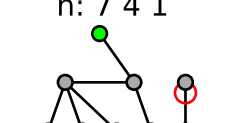
ID: 459 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 7 4



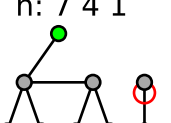
ID: 448 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



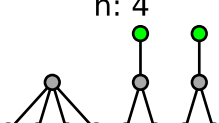
ID: 268 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



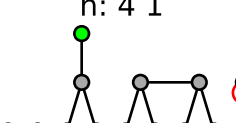
ID: 269 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



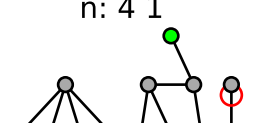
ID: 560 $V_1^{n-2} \boxtimes V_2$
n: 4



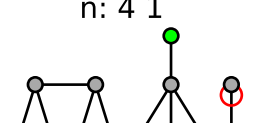
ID: 558 $V_1^{n-1} \boxtimes V_1$
n: 4 1



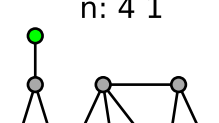
ID: 455 $V_1^{n-1} \boxtimes V_1$
n: 4 1



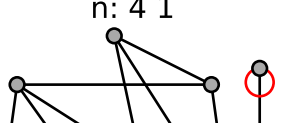
ID: 466 $V_1^{n-1} \boxtimes V_1$
n: 4 1



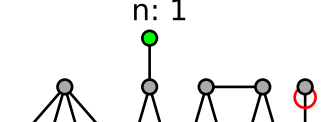
ID: 461 $V_1^{n-1} \boxtimes V_1$
n: 4 1



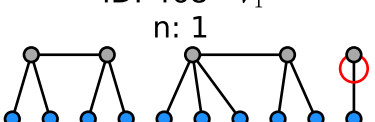
ID: 272 V_1^n
n: 4 1



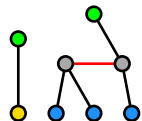
ID: 561 $V_1^{n-1} \boxtimes V_1$
n: 1



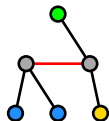
ID: 468 V_1^n
n: 1



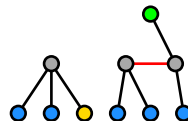
ID: 606 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 10 7 4



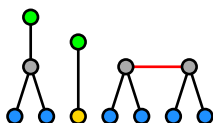
ID: 195 $V_1^{n-1} \boxtimes V_1$
n: 10 7 4 1



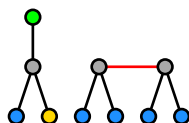
ID: 608 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



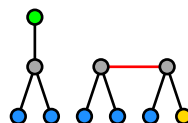
ID: 430 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 7 4



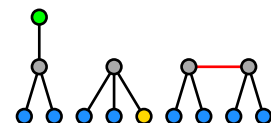
ID: 248 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



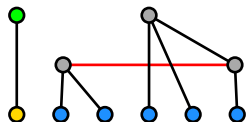
ID: 353 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



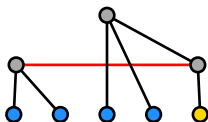
ID: 432 $V_1^{n-1} \boxtimes V_1$
n: 4 1



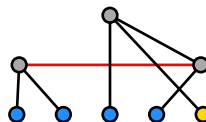
ID: 613 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



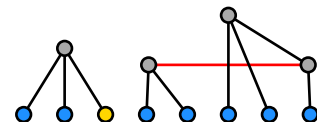
ID: 205 V_1^n
n: 7 4 1



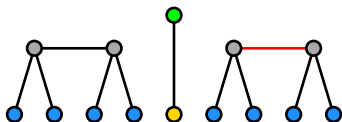
ID: 206 V_1^n
n: 7 4 1



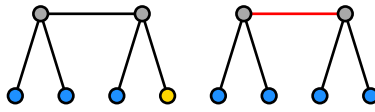
ID: 615 V_1^n
n: 4 1



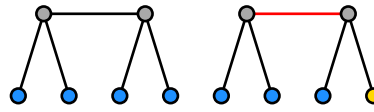
ID: 437 $V_1^{n-1} \boxtimes V_1$
n: 4 1



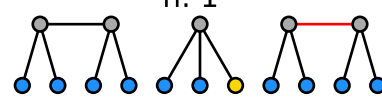
ID: 252 V_1^n
n: 4 1



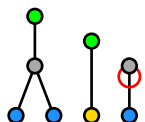
ID: 383 V_1^n
n: 4 1



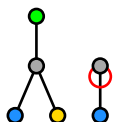
ID: 438 V_1^n
n: 1



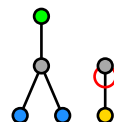
ID: 456 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 10 7 4



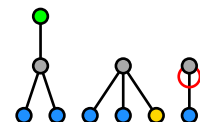
ID: 263 $V_1^{n-1} \boxtimes V_1$
n: 10 7 4 1



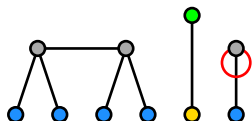
ID: 363 $V_1^{n-1} \boxtimes V_1$
n: 10 7 4 1



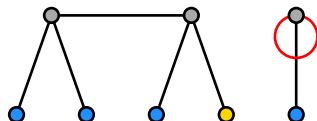
ID: 458 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



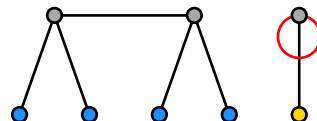
ID: 463 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



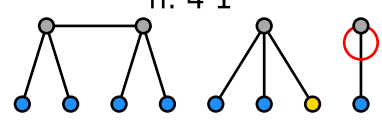
ID: 267 V_1^n
n: 7 4 1



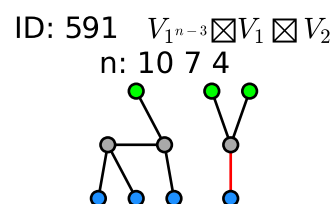
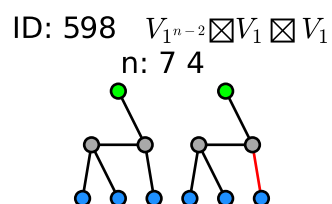
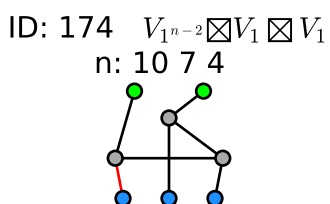
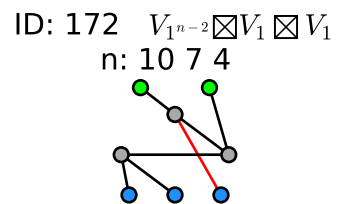
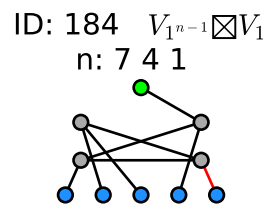
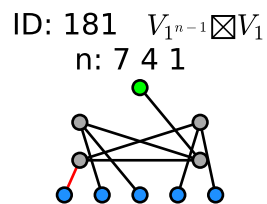
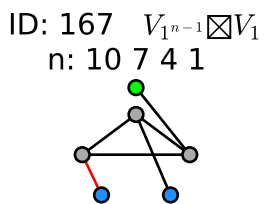
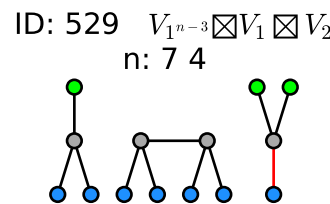
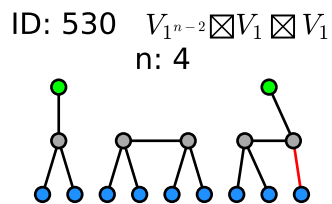
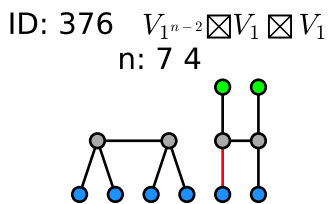
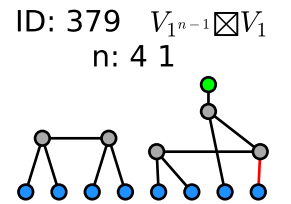
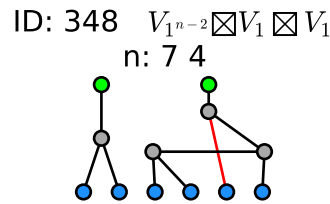
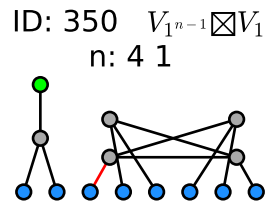
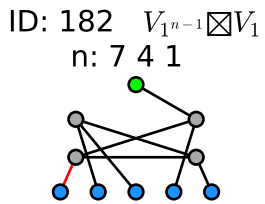
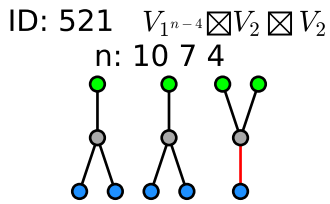
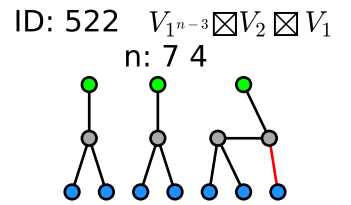
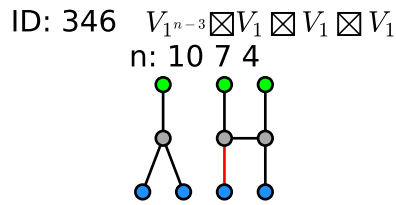
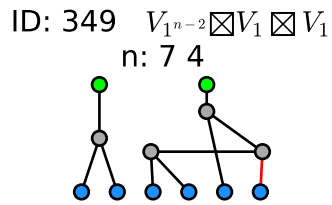
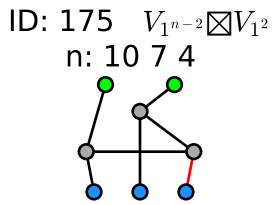
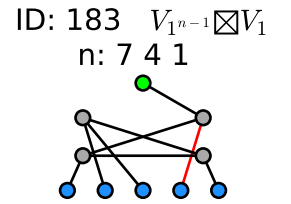
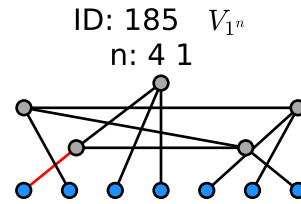
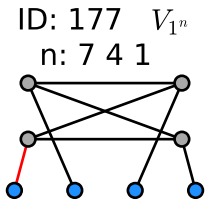
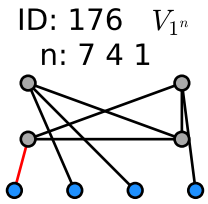
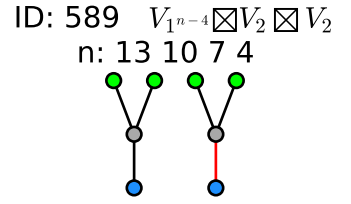
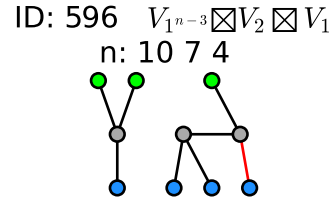
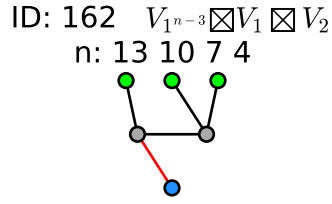
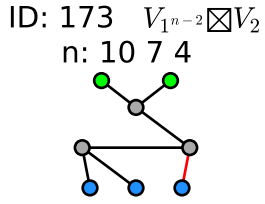
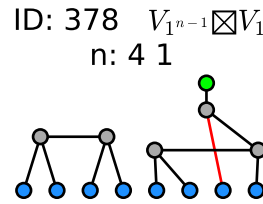
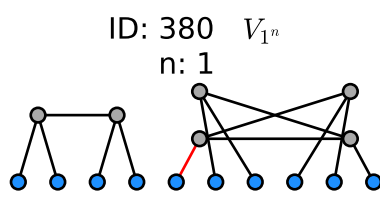
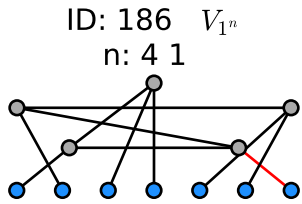
ID: 393 V_1^n
n: 7 4 1



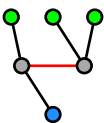
ID: 465 V_1^n
n: 4 1



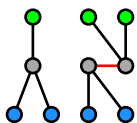
----- edges: 14-n graphs: 76 -----
 --- A2 case with weight 13 relations relation groups: 6 ---



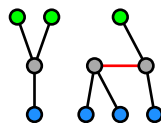
ID: 198 $V_1^{n-3} \boxtimes V_1 \boxtimes V_2$
n: 13 10 7 4



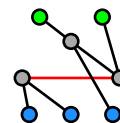
ID: 356 $V_1^{n-3} \boxtimes V_1 \boxtimes V_2$
n: 10 7 4



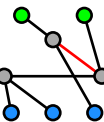
ID: 610 $V_1^{n-3} \boxtimes V_2 \boxtimes V_1$
n: 10 7 4



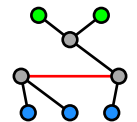
ID: 214 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 10 7 4



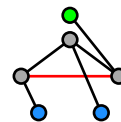
ID: 215 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 10 7 4



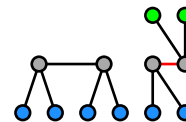
ID: 216 $V_1^{n-2} \boxtimes V_2$
n: 10 7 4



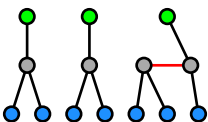
ID: 207 $V_1^{n-1} \boxtimes V_1$
n: 10 7 4 1



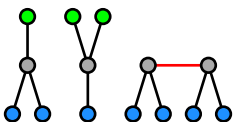
ID: 386 $V_1^{n-2} \boxtimes V_2$
n: 7 4



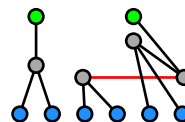
ID: 524 $V_1^{n-3} \boxtimes V_2 \boxtimes V_1$
n: 7 4



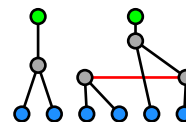
ID: 434 $V_1^{n-3} \boxtimes V_1 \boxtimes V_2$
n: 7 4



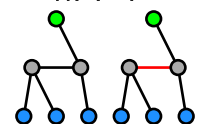
ID: 360 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 7 4



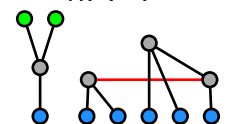
ID: 361 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 7 4



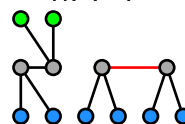
ID: 612 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 7 4



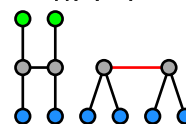
ID: 617 $V_1^{n-2} \boxtimes V_2$
n: 7 4



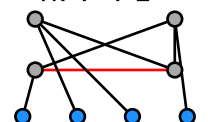
ID: 255 $V_1^{n-2} \boxtimes V_2$
n: 7 4



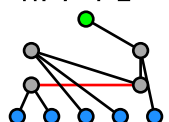
ID: 256 $V_1^{n-2} \boxtimes V_2$
n: 7 4



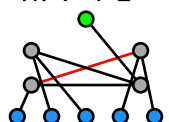
ID: 217 V_1^n
n: 7 4 1



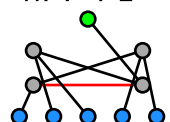
ID: 222 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



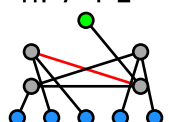
ID: 223 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



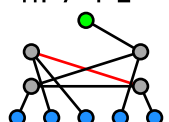
ID: 224 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



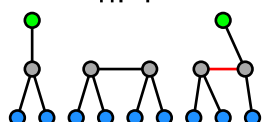
ID: 225 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



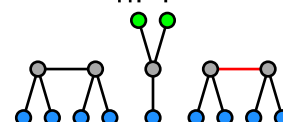
ID: 226 $V_1^{n-1} \boxtimes V_1$
n: 7 4 1



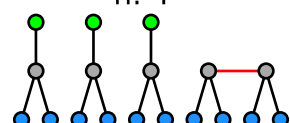
ID: 532 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 4



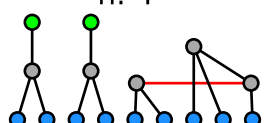
ID: 440 $V_1^{n-2} \boxtimes V_2$
n: 4



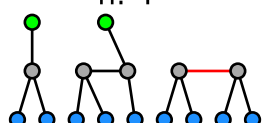
ID: 549 $V_1^{n-3} \boxtimes V_3$
n: 4



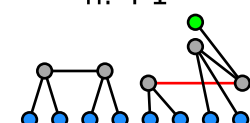
ID: 525 $V_1^{n-2} \boxtimes V_2$
n: 4



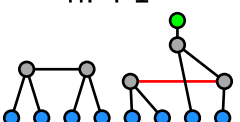
ID: 436 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 4



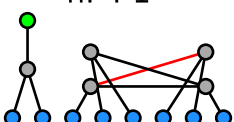
ID: 390 $V_1^{n-1} \boxtimes V_1$
n: 4 1



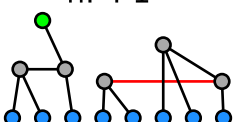
ID: 391 $V_1^{n-1} \boxtimes V_1$
n: 4 1



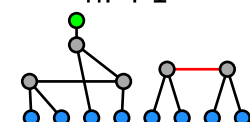
ID: 362 $V_1^{n-1} \boxtimes V_1$
n: 4 1



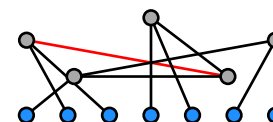
ID: 619 $V_1^{n-1} \boxtimes V_1$
n: 4 1



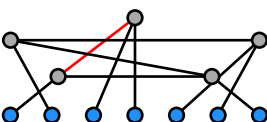
ID: 258 $V_1^{n-1} \boxtimes V_1$
n: 4 1



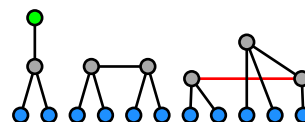
ID: 227 V_1^n
n: 4 1



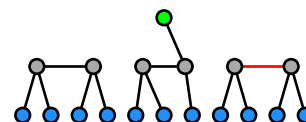
ID: 228 V_1^n
n: 4 1



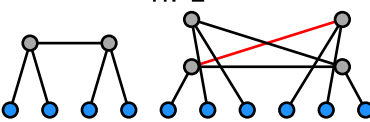
ID: 533 $V_1^{n-1} \boxtimes V_1$
n: 1



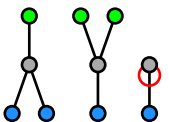
ID: 441 $V_1^{n-1} \boxtimes V_1$
n: 1



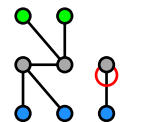
ID: 392 V_1^n
n: 1



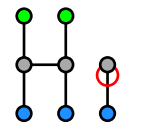
ID: 460 $V_1^{n-3} \boxtimes V_1 \boxtimes V_2$
n: 10 7 4



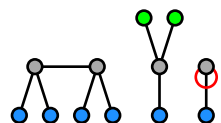
ID: 270 $V_1^{n-2} \boxtimes V_2$
n: 10 7 4



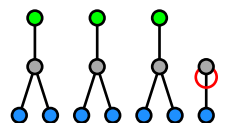
ID: 271 $V_1^{n-2} \boxtimes V_2$
n: 10 7 4



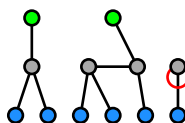
ID: 467 $V_1^{n-2} \boxtimes V_2$
n: 7 4



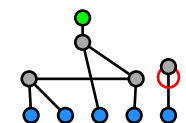
ID: 562 $V_1^{n-3} \boxtimes V_3$
n: 7 4



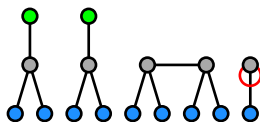
ID: 462 $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 7 4



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



ID: 563 $V_1^{n-2} \boxtimes V_2$
n: 4



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

