

----- g,n: 7,4 graphs: 392 eliminated: 380 ----- Euler Characteristic (without resolving relations):
 ----- $-6V_1^4 + 2V_1^3 \boxtimes V_1 + 1V_1^2 \boxtimes V_2 - 1V_1^2 \boxtimes V_1^2 + 4V_1^2 \boxtimes V_1 \boxtimes V_1 - 3V_1 \boxtimes V_1 \boxtimes V_2 - 1V_1 \boxtimes V_1 \boxtimes V_1 \boxtimes V_1$ -----
 ----- edges: 6 graphs: 4 -----
 ----- A3 case graphs: 4 -----

ID: 129 V_1^4
 \mapsto ID 152



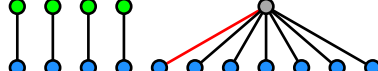
ID: 130 V_1^4
 \mapsto ID 148



ID: 131 V_1^4
 \mapsto ID 153

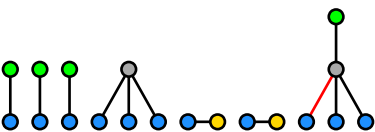


ID: 132 V_1^4
 \mapsto ID 166

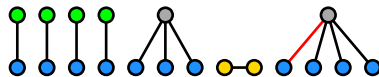


----- edges: 7 graphs: 38 -----
 ----- A3 case graphs: 28 -----

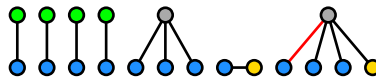
ID: 139 $V_1^3 \boxtimes V_1$
 \mapsto ID 291



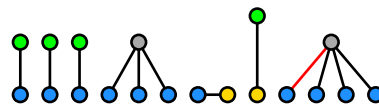
ID: 140 V_1^4
 \mapsto ID 219



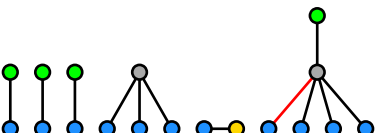
ID: 141 V_1^4
 \mapsto ID 292



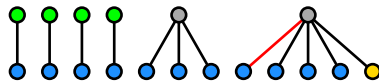
ID: 142 $V_1^3 \boxtimes V_1$
 \mapsto ID 215



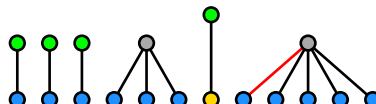
ID: 143 $V_1^3 \boxtimes V_1$
 \mapsto ID 224



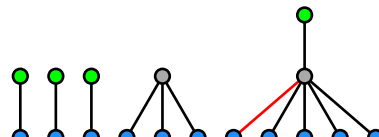
ID: 144 V_1^4
 \mapsto ID 220



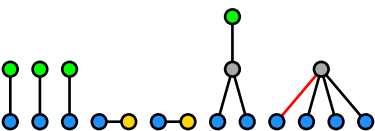
ID: 145 $V_1^3 \boxtimes V_1$
 \mapsto ID 221



ID: 146 $V_1^3 \boxtimes V_1$
 \mapsto ID 225



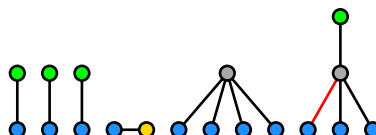
ID: 147 $V_1^3 \boxtimes V_1$
 \mapsto ID 243



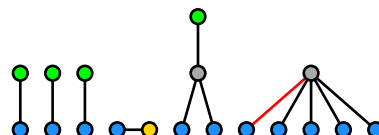
ID: 148 V_1^4
 \leftarrow ID 130



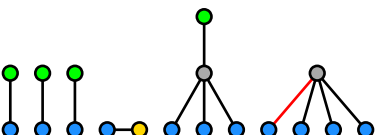
ID: 149 $V_1^3 \boxtimes V_1$
 \mapsto ID 232



ID: 150 $V_1^3 \boxtimes V_1$
 \mapsto ID 233



ID: 151 $V_1^3 \boxtimes V_1$
 \mapsto ID 234



ID: 152 V_1^4
 \leftarrow ID 129



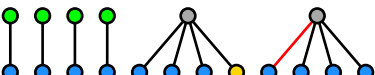
ID: 153 V_1^4
 \leftarrow ID 131



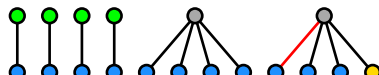
ID: 154 V_1^4
 \mapsto ID 235



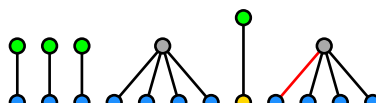
ID: 155 V_1^4
 \mapsto ID 238



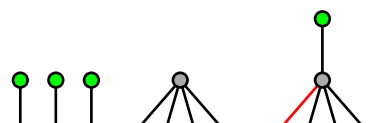
ID: 156 V_1^4
 \mapsto ID 239



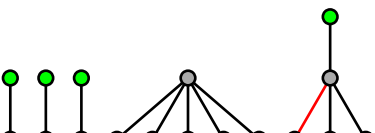
ID: 157 $V_1^3 \boxtimes V_1$
 \mapsto ID 240



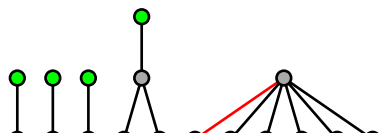
ID: 158 $V_1^3 \boxtimes V_1$
 \mapsto ID 241



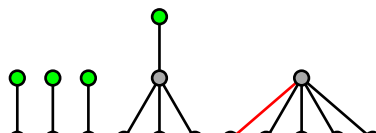
ID: 159 $V_1^3 \boxtimes V_1$
 \mapsto ID 242



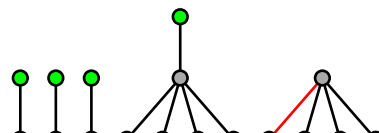
ID: 160 $V_1^3 \boxtimes V_1$
 \mapsto ID 245



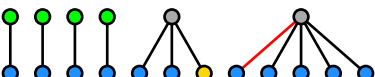
ID: 161 $V_1^3 \boxtimes V_1$
 \mapsto ID 247



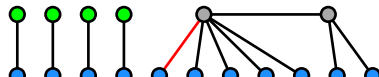
ID: 162 $V_1^3 \boxtimes V_1$
 \mapsto ID 249



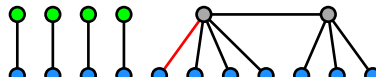
ID: 163 V_1^4
 \mapsto ID 250



ID: 164 V_1^4
 \mapsto ID 253



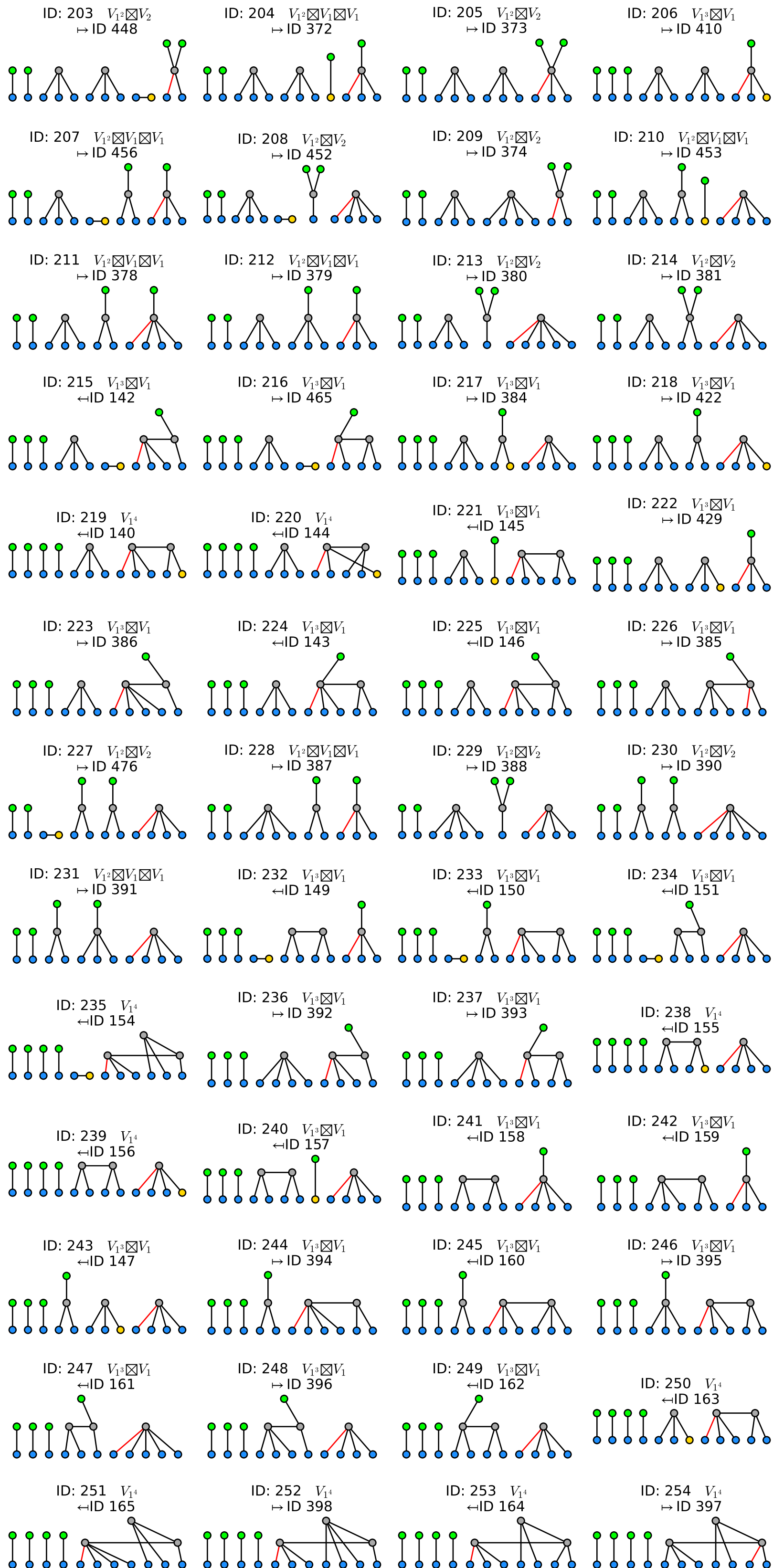
ID: 165 V_1^4
 \mapsto ID 251



ID: 166 V_1^4
 \leftarrow ID 132



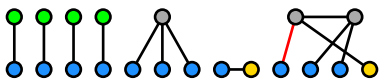
----- edges: 8 graphs: 126 -----
 ----- A3 case graphs: 52 -----



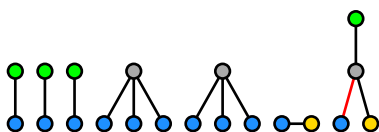
----- A2 case with weight 13 relations

relation groups: 4 -----

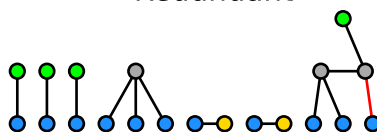
ID: 274 V_1^4
 \mapsto ID 425



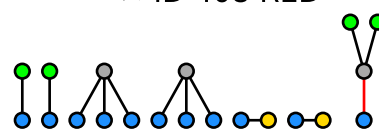
ID: 270 $V_1^3 \boxtimes V_1$
 \mapsto ID 525



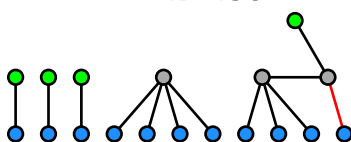
ID: 273 $V_1^3 \boxtimes V_1$
 Redundant



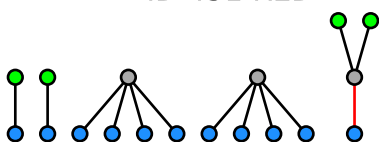
ID: 269 $V_1^2 \boxtimes V_2$
 \mapsto ID 408 RED



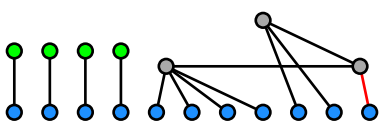
ID: 283 $V_1^3 \boxtimes V_1$
 \mapsto ID 438



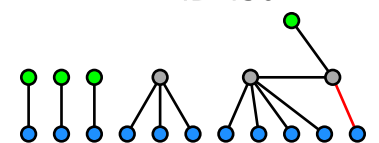
ID: 279 $V_1^2 \boxtimes V_2$
 \mapsto ID 431 RED



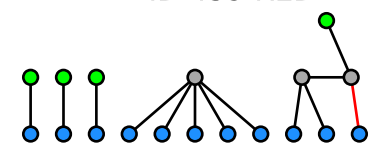
ID: 285 V_1^4
 \mapsto ID 441



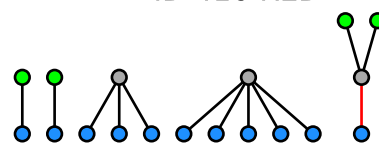
ID: 278 $V_1^3 \boxtimes V_1$
 \mapsto ID 430



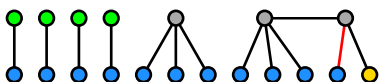
ID: 284 $V_1^3 \boxtimes V_1$
 \mapsto ID 439 RED



ID: 272 $V_1^2 \boxtimes V_2$
 \mapsto ID 416 RED



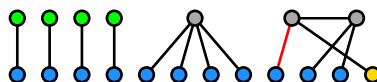
ID: 277 V_1^4
 \mapsto ID 424



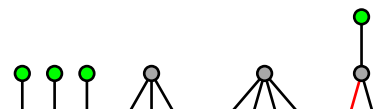
ID: 281 V_1^4
 \mapsto ID 434 RED



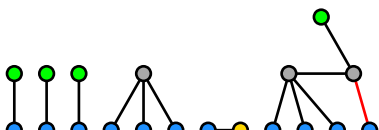
ID: 282 V_1^4
 \mapsto ID 437



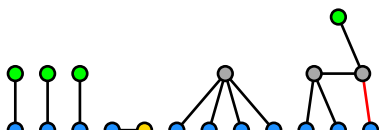
ID: 276 $V_1^3 \boxtimes V_1$
 \mapsto ID 421



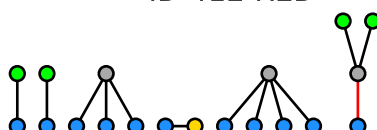
ID: 275 $V_1^3 \boxtimes V_1$
 Redundant



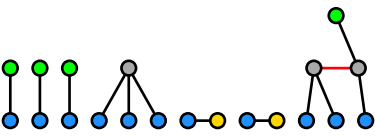
ID: 280 $V_1^3 \boxtimes V_1$
 \mapsto ID 433 RED



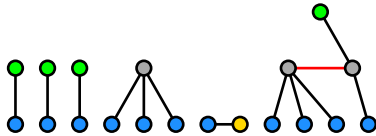
ID: 271 $V_1^2 \boxtimes V_2$
 \mapsto ID 412 RED



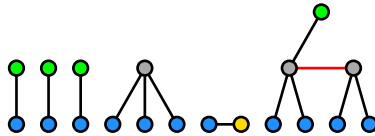
ID: 291 $V_1^3 \boxtimes V_1$
 \leftarrow ID 139



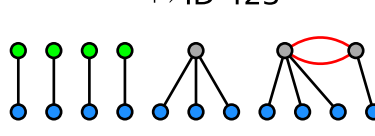
ID: 293 $V_1^3 \boxtimes V_1$
 \mapsto ID 469



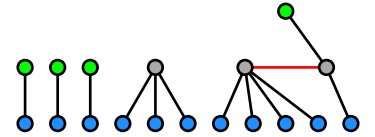
ID: 294 $V_1^3 \boxtimes V_1$
 \mapsto ID 471



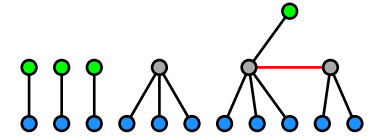
ID: 295 V_1^4
 \mapsto ID 423



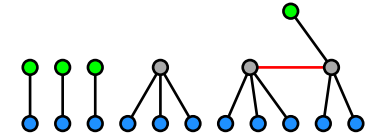
ID: 298 $V_1^3 \boxtimes V_1$
 \mapsto ID 472



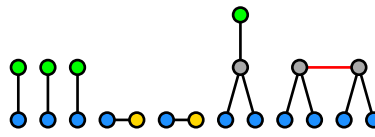
ID: 299 $V_1^3 \boxtimes V_1$
 \mapsto ID 474



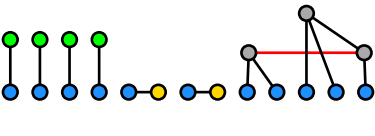
ID: 300 $V_1^3 \boxtimes V_1$
 \mapsto ID 473



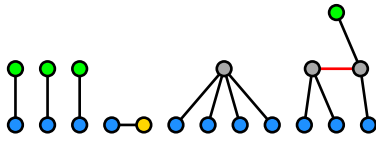
ID: 301 $V_1^3 \boxtimes V_1$
 \mapsto ID 484



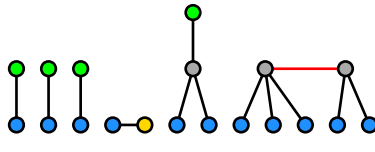
ID: 310 V_1^4
 \leftarrow ID 185



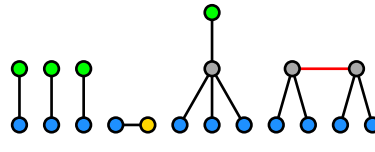
ID: 311 $V_1^3 \boxtimes V_1$
 \mapsto ID 491



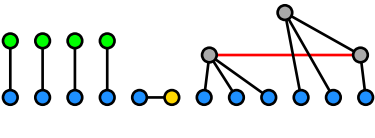
ID: 307 $V_1^3 \boxtimes V_1$
 \mapsto ID 488



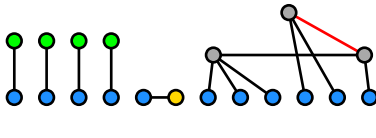
ID: 302 $V_1^3 \boxtimes V_1$
 \mapsto ID 481



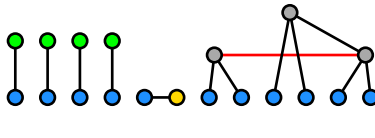
ID: 315 V_1^4
 \mapsto ID 496



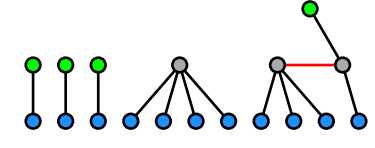
ID: 317 V_1^4
 \leftarrow ID 187



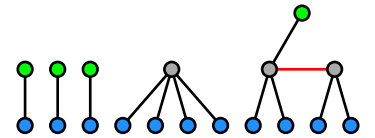
ID: 316 V_1^4
 \leftarrow ID 186



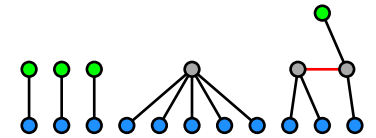
ID: 319 $V_1^3 \boxtimes V_1$
 \mapsto ID 498



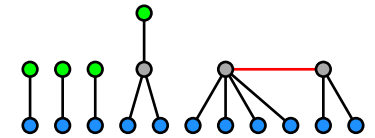
ID: 320 $V_1^3 \boxtimes V_1$
 \mapsto ID 499



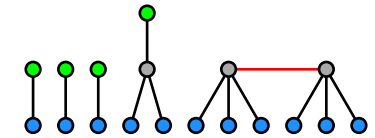
ID: 312 $V_1^3 \boxtimes V_1$
 \mapsto ID 492



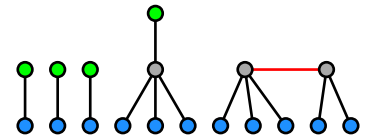
ID: 313 $V_1^3 \boxtimes V_1$
 \mapsto ID 494



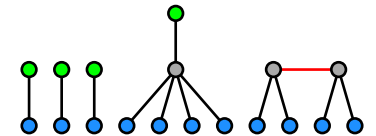
ID: 314 $V_1^3 \boxtimes V_1$
 \mapsto ID 493



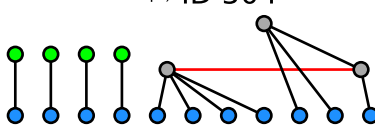
ID: 308 $V_1^3 \boxtimes V_1$
 \mapsto ID 487



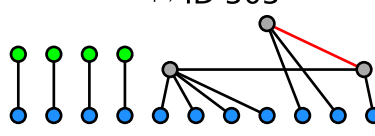
ID: 306 $V_1^3 \boxtimes V_1$
 \mapsto ID 486



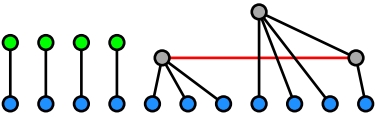
ID: 321 V_1^4
 \mapsto ID 504



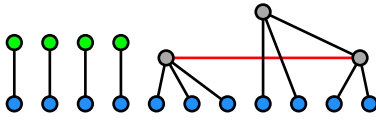
ID: 324 V_1^4
 \mapsto ID 505



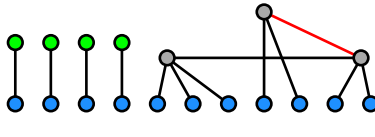
ID: 325 V_1^4
 \mapsto ID 506



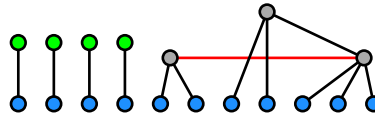
ID: 322 V_1^4
 \leftarrow ID 189



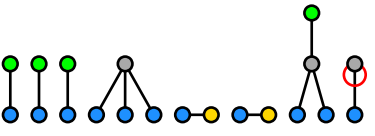
ID: 326 V_1^4
 \mapsto ID 503



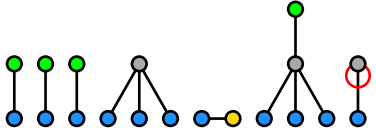
ID: 323 V_1^4
 \leftarrow ID 188



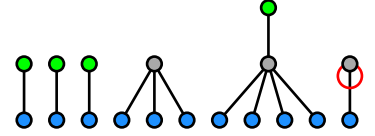
ID: 349 $V_1^3 \boxtimes V_1$
 \mapsto ID 535



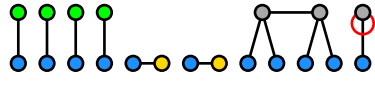
ID: 350 $V_1^3 \boxtimes V_1$
 \mapsto ID 530



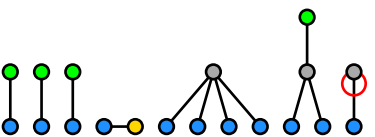
ID: 355 $V_1^3 \boxtimes V_1$
 \mapsto ID 536



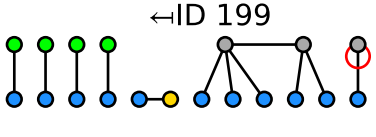
ID: 356 V_1^4
 \leftarrow ID 198



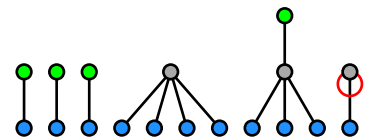
ID: 357 $V_1^3 \boxtimes V_1$
 \mapsto ID 538



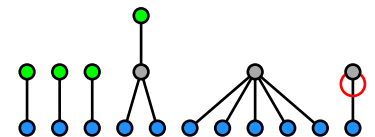
ID: 358 V_1^4
 \leftarrow ID 199



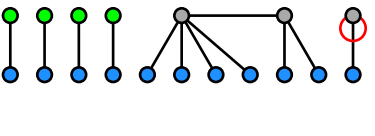
ID: 359 $V_1^3 \boxtimes V_1$
 \mapsto ID 539



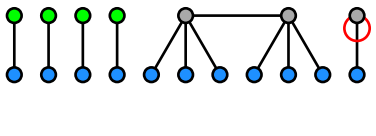
ID: 361 $V_1^3 \boxtimes V_1$
 \mapsto ID 542



ID: 362 V_1^4
 \mapsto ID 543



ID: 363 V_1^4
 \leftarrow ID 200



----- B,Birr cases with weight 11 relations

relation groups: 5 -----

ID: 289 $V_1^3 \boxtimes V_1$
 \mapsto ID 466



ID: 288 V_1^4
 Redundant



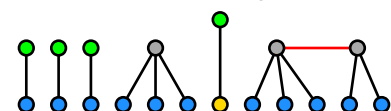
ID: 292 V_1^4
 \leftrightarrow ID 141



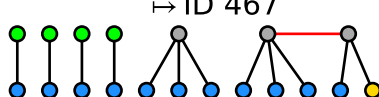
ID: 303 V_1^4
 \leftrightarrow ID 184



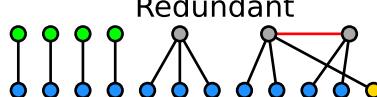
ID: 290 $V_1^3 \boxtimes V_1$
 \mapsto ID 462



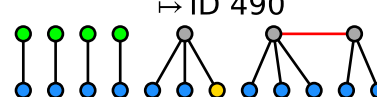
ID: 296 V_1^4
 \mapsto ID 467



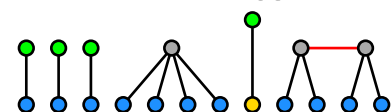
ID: 297 V_1^4
 Redundant



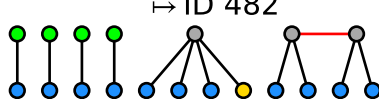
ID: 309 V_1^4
 \mapsto ID 490



ID: 305 $V_1^3 \boxtimes V_1$
 \mapsto ID 483



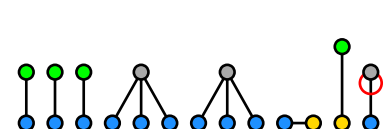
ID: 304 V_1^4
 \mapsto ID 482



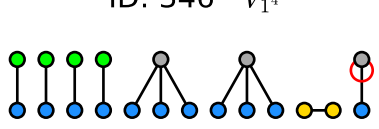
ID: 318 V_1^4
 \mapsto ID 497 RED



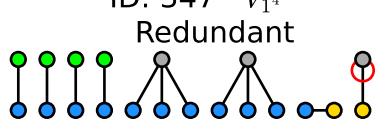
ID: 348 $V_1^3 \boxtimes V_1$



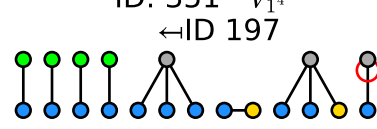
ID: 346 V_1^4



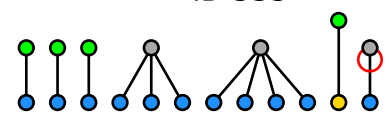
ID: 347 V_1^4
 Redundant



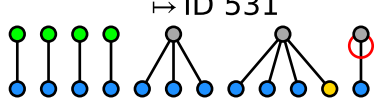
ID: 351 V_1^4
 \leftrightarrow ID 197



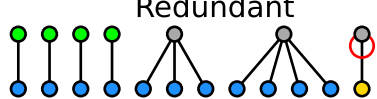
ID: 354 $V_1^3 \boxtimes V_1$
 \mapsto ID 533



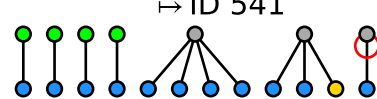
ID: 352 V_1^4
 \mapsto ID 531



ID: 353 V_1^4
 Redundant

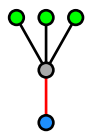


ID: 360 V_1^4
 \mapsto ID 541

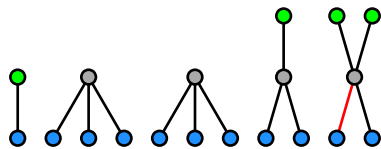


----- edges: 9 graphs: 155 -----
 ----- A3 case graphs: 31 -----

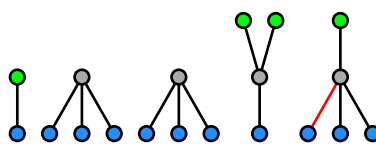
ID: 368 $V_1 \boxtimes V_3$
 \mapsto ID 576



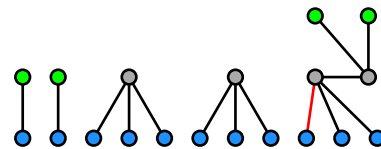
ID: 369 $V_1 \boxtimes V_1 \boxtimes V_2$
 \mapsto ID 578



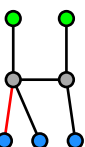
ID: 370 $V_1 \boxtimes V_2 \boxtimes V_1$
 \mapsto ID 577



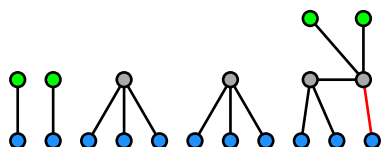
ID: 371 $V_1^2 \boxtimes V_2$
 \mapsto ID 553



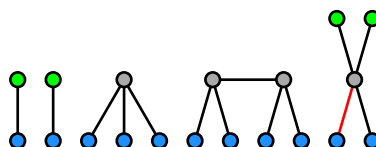
ID: 372 $V_1^2 \boxtimes V_1 \boxtimes V_1$
 \mapsto ID 204



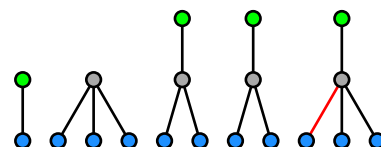
ID: 373 $V_1^2 \boxtimes V_2$
 \mapsto ID 205



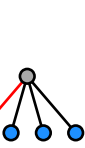
ID: 374 $V_1^2 \boxtimes V_2$
 \mapsto ID 209



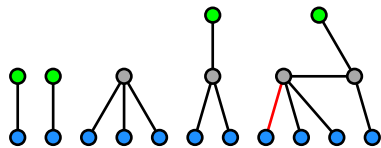
ID: 375 $V_1 \boxtimes V_2 \boxtimes V_1$
 \mapsto ID 586



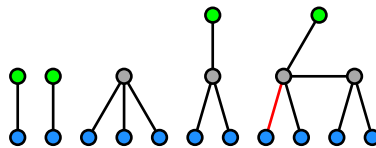
ID: 376 $V_1 \boxtimes V_1 \boxtimes V_2$
 \mapsto ID 582



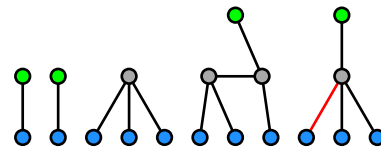
ID: 377 $V_1^2 \boxtimes V_1 \boxtimes V_1$
 \mapsto ID 561



ID: 378 $V_1^2 \boxtimes V_1 \boxtimes V_1$
 \mapsto ID 211



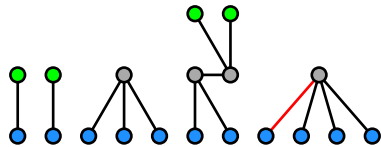
ID: 379 $V_1^2 \boxtimes V_1 \boxtimes V_1$
 \mapsto ID 212



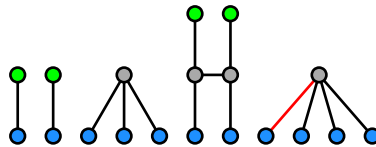
ID: 380 $V_1^2 \boxtimes V_2$
 \mapsto ID 213



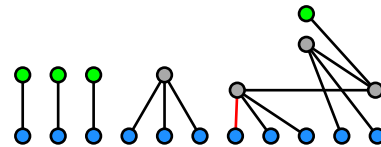
ID: 381 $V_1^2 \boxtimes V_2$
 \mapsto ID 214



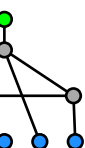
ID: 382 $V_1^2 \boxtimes V_2$
 \mapsto ID 584



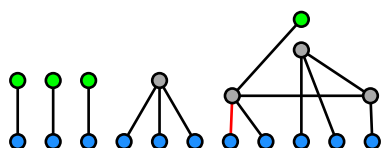
ID: 383 $V_1^3 \boxtimes V_1$
 \mapsto ID 565



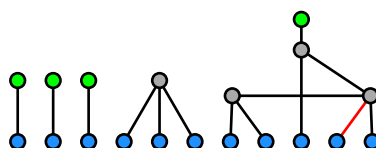
ID: 384 $V_1^3 \boxtimes V_1$
 \mapsto ID 217



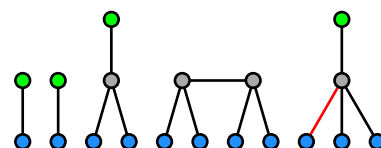
ID: 385 $V_1^3 \boxtimes V_1$
 \mapsto ID 226



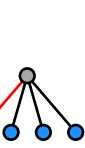
ID: 386 $V_1^3 \boxtimes V_1$
 \mapsto ID 223



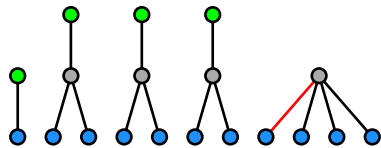
ID: 387 $V_1^2 \boxtimes V_1 \boxtimes V_1$
 \mapsto ID 228



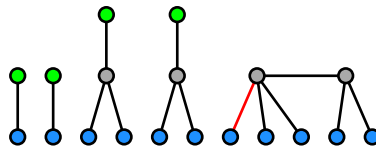
ID: 388 $V_1^2 \boxtimes V_2$
 \mapsto ID 229



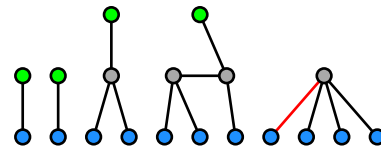
ID: 389 $V_1 \boxtimes V_3$
 \mapsto ID 596



ID: 390 $V_1^2 \boxtimes V_2$
 \mapsto ID 230



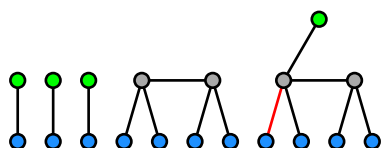
ID: 391 $V_1^2 \boxtimes V_1 \boxtimes V_1$
 \mapsto ID 231



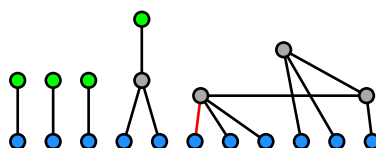
ID: 392 $V_1^3 \boxtimes V_1$
 \mapsto ID 236



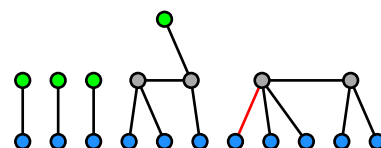
ID: 393 $V_1^3 \boxtimes V_1$
 \mapsto ID 237



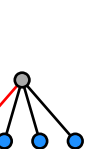
ID: 394 $V_1^3 \boxtimes V_1$
 \mapsto ID 244



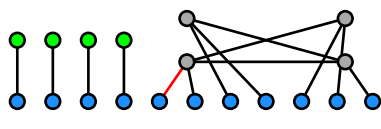
ID: 395 $V_1^3 \boxtimes V_1$
 \mapsto ID 246



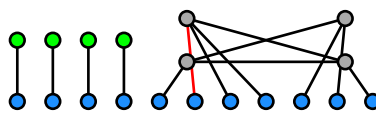
ID: 396 $V_1^3 \boxtimes V_1$
 \mapsto ID 248

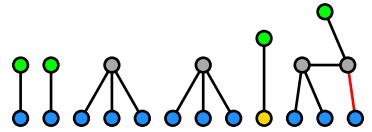
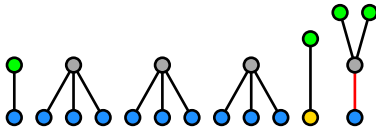
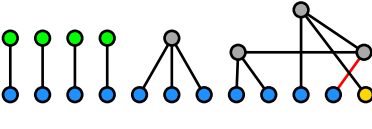
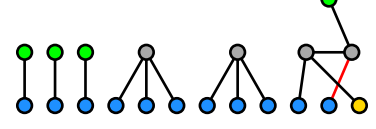
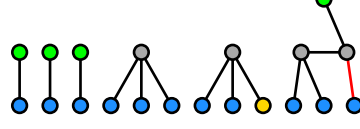
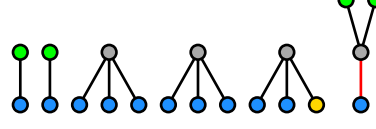
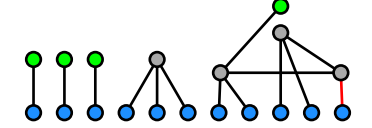
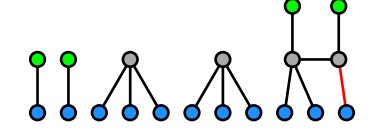
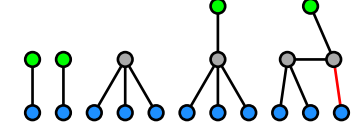
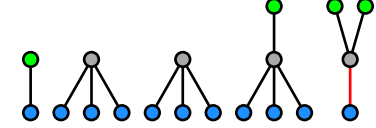
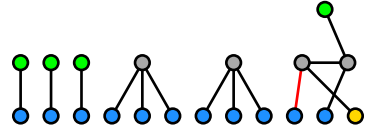
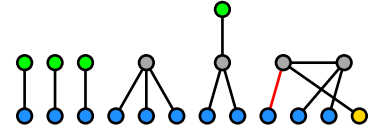
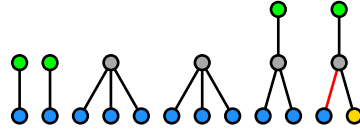
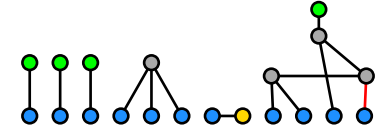
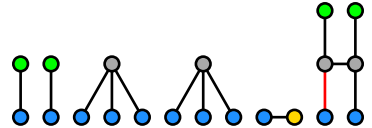
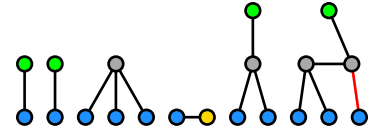
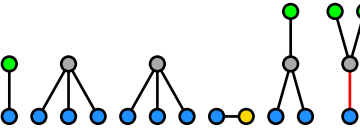
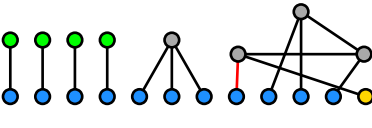
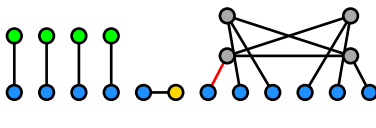
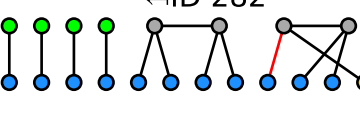
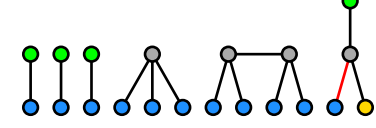
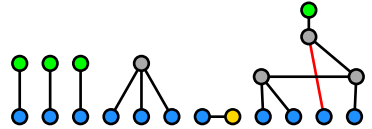
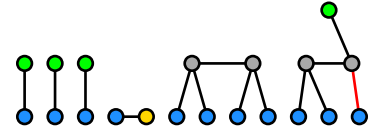
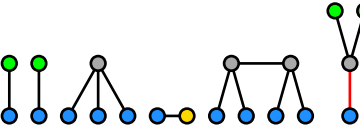
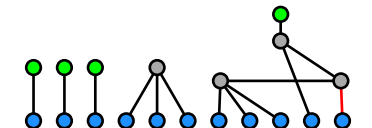
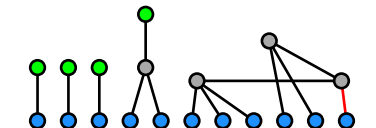
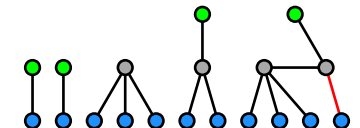
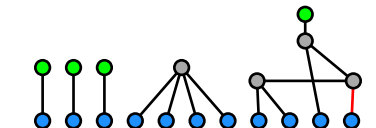
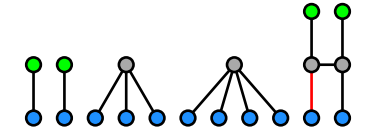
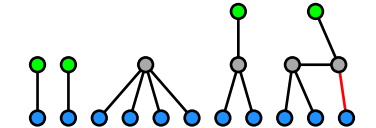
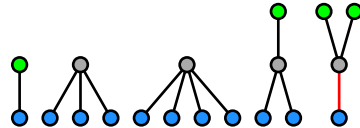
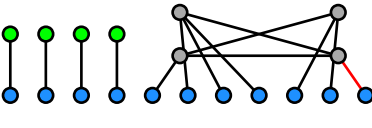
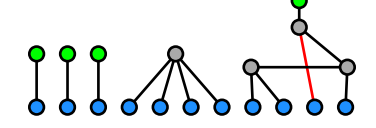
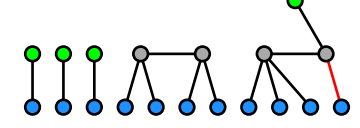
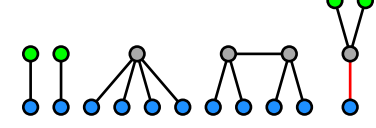
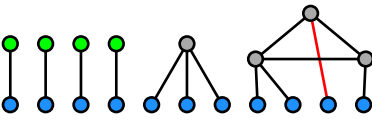
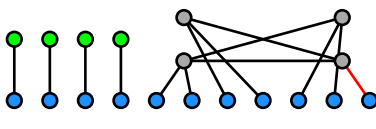
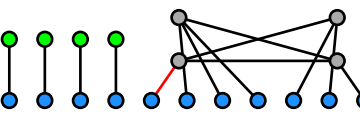
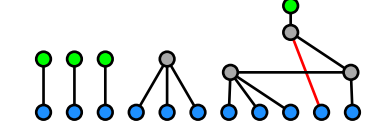
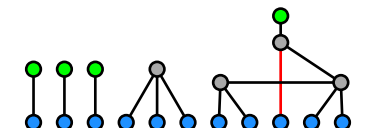
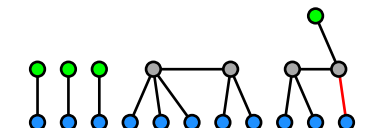
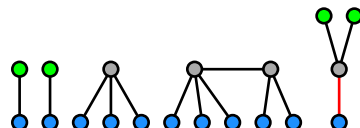


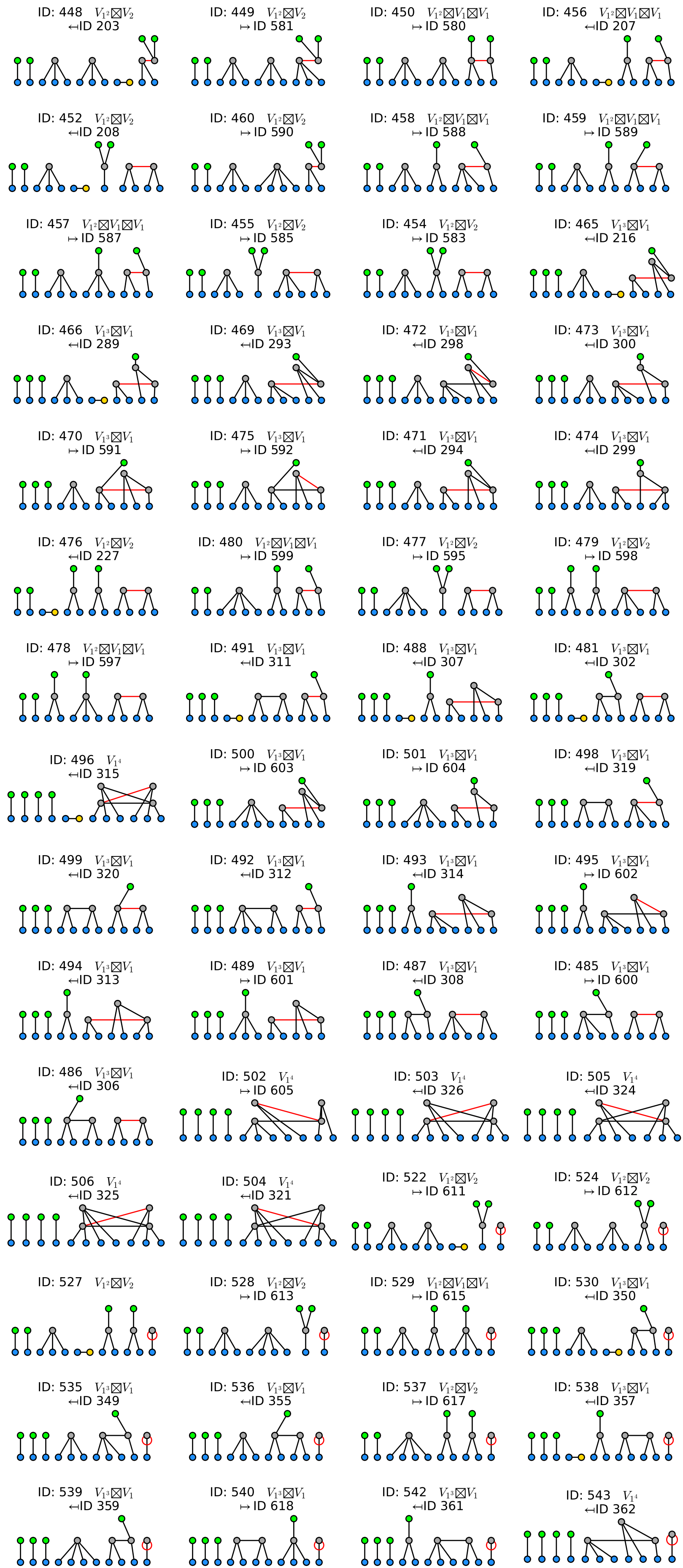
ID: 397 V_1^4
 \mapsto ID 254



ID: 398 V_1^4
 \mapsto ID 252



ID: 407 $V_1^2 \boxtimes V_1 \boxtimes V_1$ ID: 402 $V_1 \boxtimes V_1 \boxtimes V_2$
 \mapsto ID 547ID: 425 V_1^4
 \leftarrow ID 274ID: 411 $V_1^3 \boxtimes V_1$
 \mapsto ID 556ID: 426 $V_1^3 \boxtimes V_1$
RedundantID: 408 $V_1^2 \boxtimes V_2$
 \leftarrow ID 269 REDID: 429 $V_1^3 \boxtimes V_1$
 \leftarrow ID 222ID: 409 $V_1^2 \boxtimes V_1 \boxtimes V_1$
 \mapsto ID 552ID: 418 $V_1^2 \boxtimes V_1 \boxtimes V_1$
 \mapsto ID 562 REDID: 406 $V_1 \boxtimes V_1 \boxtimes V_2$
RedundantID: 410 $V_1^3 \boxtimes V_1$
 \leftarrow ID 206ID: 422 $V_1^3 \boxtimes V_1$
 \leftarrow ID 218ID: 405 $V_1^2 \boxtimes V_1 \boxtimes V_1$ ID: 420 $V_1^3 \boxtimes V_1$
RedundantID: 404 $V_1^2 \boxtimes V_1 \boxtimes V_1$
RedundantID: 413 $V_1^2 \boxtimes V_1 \boxtimes V_1$
RedundantID: 403 $V_1 \boxtimes V_1 \boxtimes V_2$
RedundantID: 424 V_1^4
 \leftarrow ID 277ID: 434 V_1^4
 \leftarrow ID 281 REDID: 437 V_1^4
 \leftarrow ID 282ID: 421 $V_1^3 \boxtimes V_1$
 \leftarrow ID 276ID: 419 $V_1^3 \boxtimes V_1$
RedundantID: 433 $V_1^3 \boxtimes V_1$
 \leftarrow ID 280 REDID: 412 $V_1^2 \boxtimes V_2$
 \leftarrow ID 271 REDID: 428 $V_1^3 \boxtimes V_1$
 \mapsto ID 566ID: 440 $V_1^3 \boxtimes V_1$
 \mapsto ID 572ID: 417 $V_1^2 \boxtimes V_1 \boxtimes V_1$
 \mapsto ID 560ID: 436 $V_1^3 \boxtimes V_1$
 \mapsto ID 571 REDID: 415 $V_1^2 \boxtimes V_1 \boxtimes V_1$
 \mapsto ID 558 REDID: 432 $V_1^2 \boxtimes V_1 \boxtimes V_1$
 \mapsto ID 569 REDID: 414 $V_1 \boxtimes V_1 \boxtimes V_2$
 \mapsto ID 557 REDID: 443 V_1^4
 \mapsto ID 574ID: 435 $V_1^3 \boxtimes V_1$
 \mapsto ID 570 REDID: 438 $V_1^3 \boxtimes V_1$
 \leftarrow ID 283ID: 431 $V_1^2 \boxtimes V_2$
 \leftarrow ID 279 REDID: 423 V_1^4
 \leftarrow ID 295ID: 441 V_1^4
 \leftarrow ID 285ID: 442 V_1^4
 \mapsto ID 573 REDID: 427 $V_1^3 \boxtimes V_1$
RedundantID: 430 $V_1^3 \boxtimes V_1$
 \leftarrow ID 278ID: 439 $V_1^3 \boxtimes V_1$
 \leftarrow ID 284 REDID: 416 $V_1^2 \boxtimes V_2$
 \leftarrow ID 272 RED



----- B,Birr cases with weight 11 relations

relation groups: 6 -----

ID: 447 $V_{1^2} \boxtimes V_1 \boxtimes V_1$
 \mapsto ID 579

ID: 451 $V_{1^3} \boxtimes V_1$
 Redundant

ID: 463 $V_{1^3} \boxtimes V_1$
 \mapsto ID 593

ID: 453 $V_{1^2} \boxtimes V_1 \boxtimes V_1$
 \leftarrow ID 210

ID: 461 $V_{1^3} \boxtimes V_1$
 \mapsto ID 594

ID: 464 $V_{1^3} \boxtimes V_1$
 Redundant

ID: 484 $V_{1^3} \boxtimes V_1$
 \leftarrow ID 301

ID: 462 $V_{1^3} \boxtimes V_1$
 \leftarrow ID 290

ID: 467 V_{1^4}
 \leftarrow ID 296

ID: 468 V_{1^4}
 Redundant

ID: 490 V_{1^4}
 \leftarrow ID 309

ID: 483 $V_{1^3} \boxtimes V_1$
 \leftarrow ID 305

ID: 482 V_{1^4}
 \leftarrow ID 304

ID: 497 V_{1^4}
 \leftarrow ID 318 RED

ID: 523 $V_{1^2} \boxtimes V_1 \boxtimes V_1$

ID: 525 $V_{1^3} \boxtimes V_1$
 \leftarrow ID 270

ID: 526 $V_{1^3} \boxtimes V_1$
 Redundant

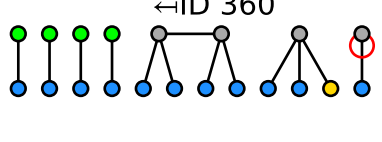
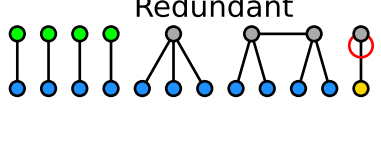
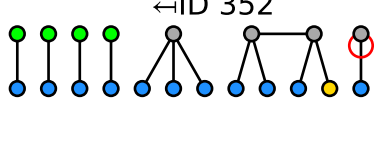
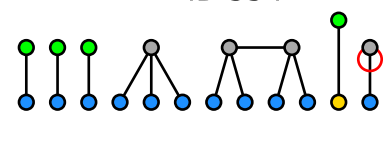
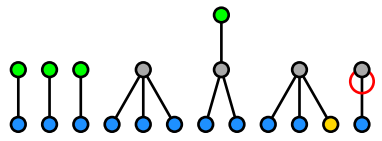
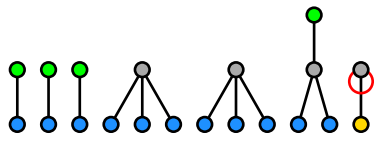
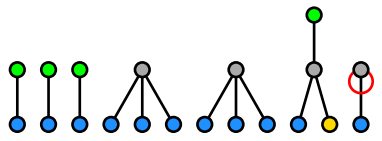
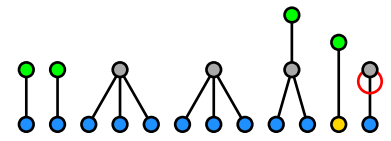
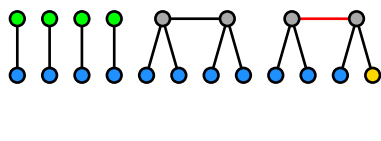
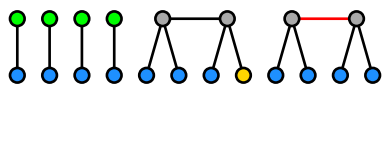
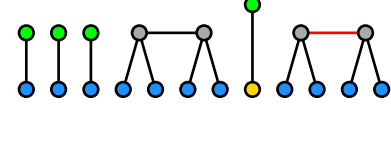
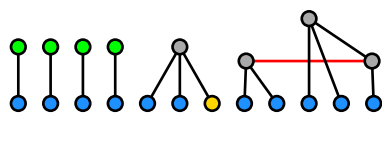
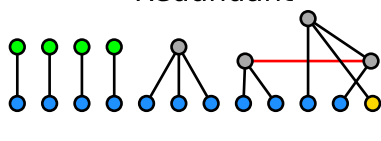
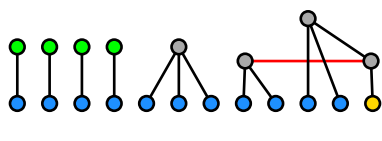
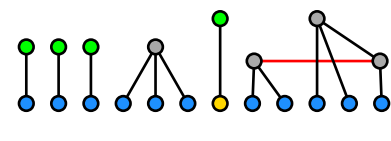
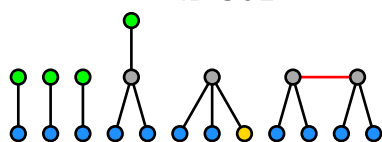
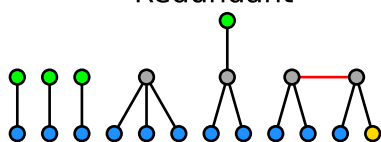
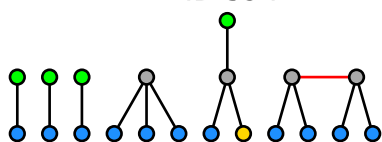
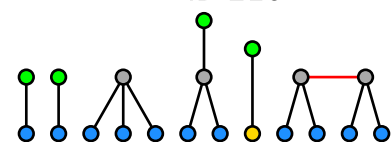
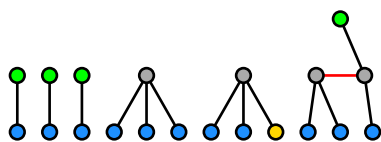
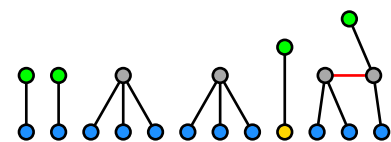
ID: 534 $V_{1^3} \boxtimes V_1$
 \mapsto ID 616

ID: 533 $V_{1^3} \boxtimes V_1$
 \leftarrow ID 354

ID: 531 V_{1^4}
 \leftarrow ID 352

ID: 532 V_{1^4}
 Redundant

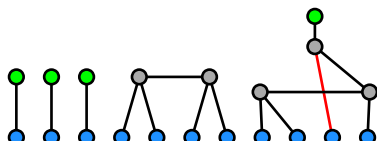
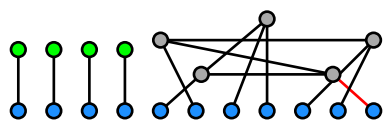
ID: 541 V_{1^4}
 \leftarrow ID 360



----- edges: 10 graphs: 69 -----
 ----- A2 case with weight 13 relations relation groups: 6 -----

ID: 574 V_1^4
 \leftrightarrow ID 443

ID: 570 $V_1^3 \boxtimes V_1$
 \leftrightarrow ID 435 RED

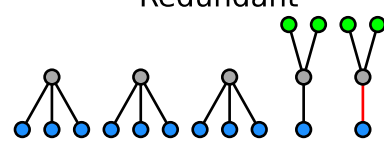
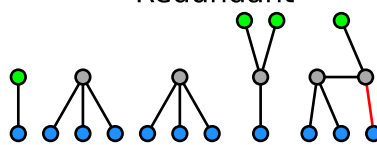
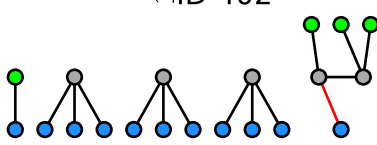
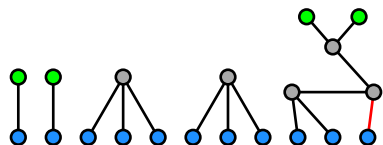


ID: 553 $V_1^2 \boxtimes V_2$
 \leftrightarrow ID 371

ID: 547 $V_1 \boxtimes V_1 \boxtimes V_2$
 \leftrightarrow ID 402

ID: 551 $V_1 \boxtimes V_2 \boxtimes V_1$
 Redundant

ID: 546 $V_2 \boxtimes V_2$
 Redundant

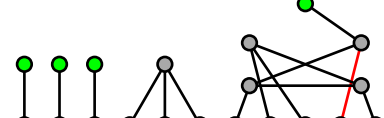
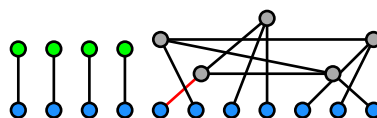
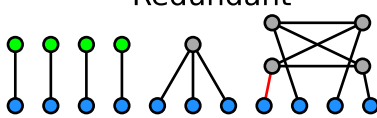
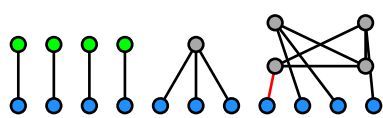


ID: 563 V_1^4

ID: 564 V_1^4
 Redundant

ID: 573 V_1^4
 \leftrightarrow ID 442 RED

ID: 567 $V_1^3 \boxtimes V_1$
 Redundant

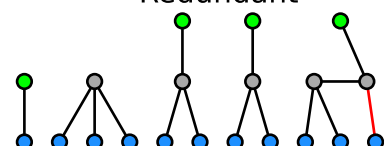
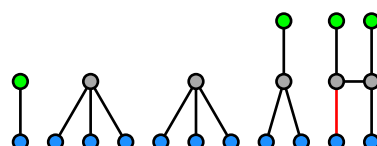
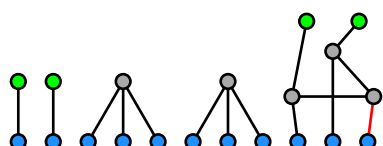


ID: 555 $V_1^2 \boxtimes V_1^2$

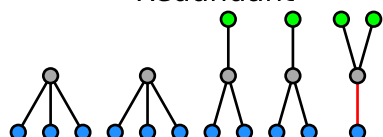
ID: 561 $V_1^2 \boxtimes V_1 \boxtimes V_1$
 \leftrightarrow ID 377

ID: 549 $V_1 \boxtimes V_1 \boxtimes V_1 \boxtimes V_1$

ID: 559 $V_1 \boxtimes V_2 \boxtimes V_1$
 Redundant



ID: 548 $V_2 \boxtimes V_2$
 Redundant

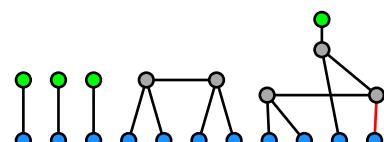
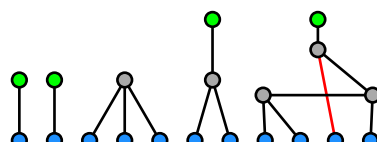
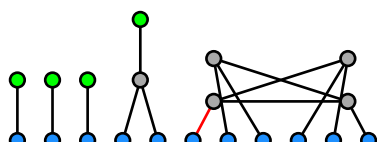
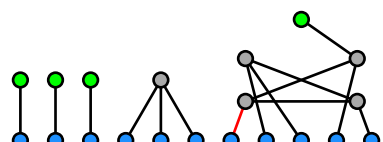


ID: 566 $V_1^3 \boxtimes V_1$
 \leftrightarrow ID 428

ID: 572 $V_1^3 \boxtimes V_1$
 \leftrightarrow ID 440

ID: 560 $V_1^2 \boxtimes V_1 \boxtimes V_1$
 \leftrightarrow ID 417

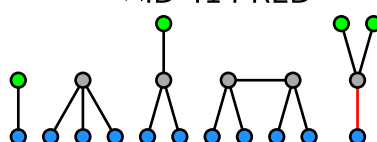
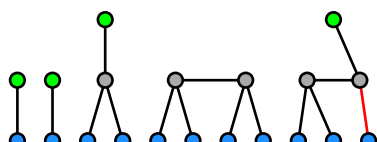
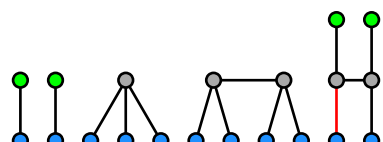
ID: 571 $V_1^3 \boxtimes V_1$
 \leftrightarrow ID 436 RED



ID: 558 $V_1^2 \boxtimes V_1 \boxtimes V_1$
 \leftrightarrow ID 415 RED

ID: 569 $V_1^2 \boxtimes V_1 \boxtimes V_1$
 \leftrightarrow ID 432 RED

ID: 557 $V_1 \boxtimes V_1 \boxtimes V_2$
 \leftrightarrow ID 414 RED

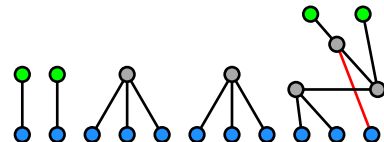
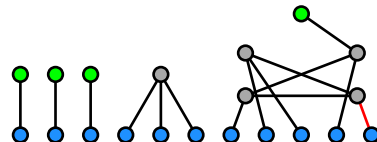
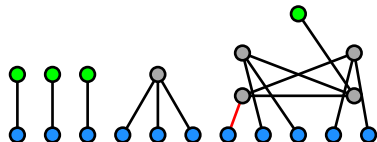
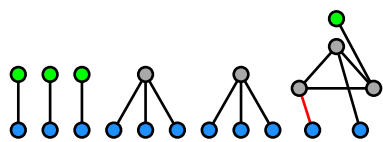


ID: 556 $V_1^3 \boxtimes V_1$
 \leftrightarrow ID 411

ID: 565 $V_1^3 \boxtimes V_1$
 \leftrightarrow ID 383

ID: 568 $V_1^3 \boxtimes V_1$
 Redundant

ID: 552 $V_1^2 \boxtimes V_1 \boxtimes V_1$
 \leftrightarrow ID 409



ID: 554 $V_1^2 \boxtimes V_1 \boxtimes V_1$
 Redundant

ID: 562 $V_1^2 \boxtimes V_1 \boxtimes V_1$
 \leftrightarrow ID 418 RED

ID: 550 $V_1 \boxtimes V_1 \boxtimes V_2$
 Redundant

