

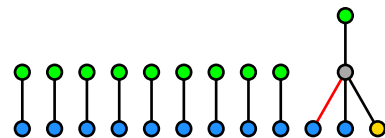
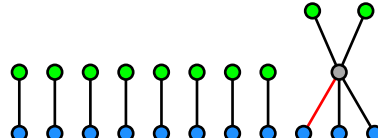
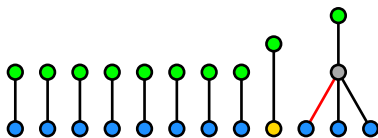
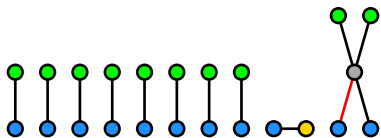
----- g,n: 3,10      graphs: 55      ----- Euler Characteristic (without resolving relations):  
 -----  $-2V_1^{10}+1V_1^9\boxtimes V_1-1V_1^8\boxtimes V_1^2+3V_1^8\boxtimes V_1\boxtimes V_1+1V_1^7\boxtimes V_3-2V_1^7\boxtimes V_1\boxtimes V_2-1V_1^7\boxtimes V_1\boxtimes V_1\boxtimes V_1$  -----  
                                  edges: 2      graphs: 9      -----  
                                  A3 case      graphs: 4      -----

ID: 203     $V_1^8\boxtimes V_2$

ID: 204     $V_1^8\boxtimes V_1\boxtimes V_1$

ID: 205     $V_1^8\boxtimes V_2$

ID: 206     $V_1^9\boxtimes V_1$

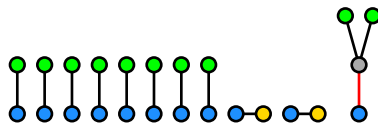
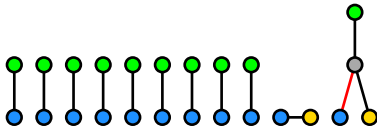


----- A2 case with weight 13 relations

relation groups: 1 -----

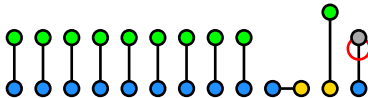
ID: 270  $V_1^{19} \boxtimes V_1$

ID: 269  $V_1^8 \boxtimes V_2$

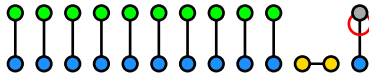


----- B,Birr cases with weight 11 relations      relation groups: 1 -----

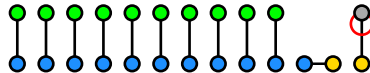
ID: 348     $V_1^9 \boxtimes V_1$



ID: 346     $V_1^{10}$

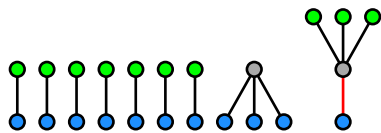


ID: 347     $V_1^{10}$

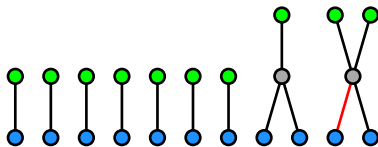


----- edges: 3      graphs: 26      -----  
 ----- A3 case      graphs: 6      -----

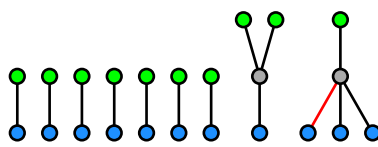
ID: 368  $V_1^7 \boxtimes V_3$



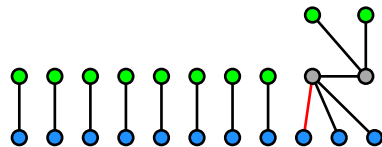
ID: 369  $V_1^7 \boxtimes V_1 \boxtimes V_2$



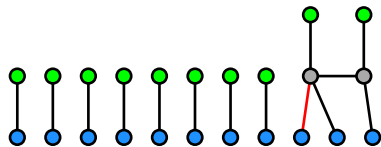
ID: 370  $V_1^7 \boxtimes V_2 \boxtimes V_1$



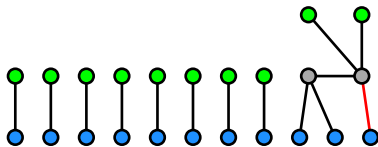
ID: 371  $V_1^8 \boxtimes V_2$



ID: 372  $V_1^8 \boxtimes V_1 \boxtimes V_1$



ID: 373  $V_1^8 \boxtimes V_2$

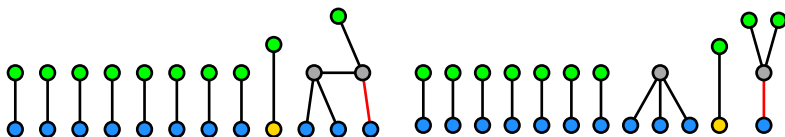


----- A2 case with weight 13 relations

relation groups: 4 -----

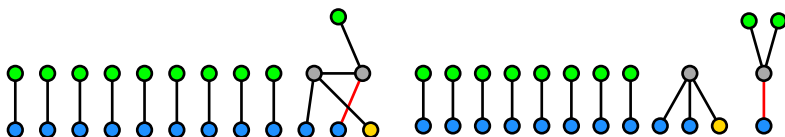
ID: 407  $V_1^8 \boxtimes V_1 \boxtimes V_1$

ID: 402  $V_1^7 \boxtimes V_1 \boxtimes V_2$



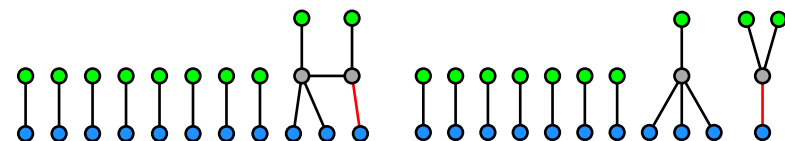
ID: 411  $V_1^9 \boxtimes V_1$

ID: 408  $V_1^8 \boxtimes V_2$



ID: 409  $V_1^8 \boxtimes V_1 \boxtimes V_1$

ID: 406  $V_1^7 \boxtimes V_1 \boxtimes V_2$

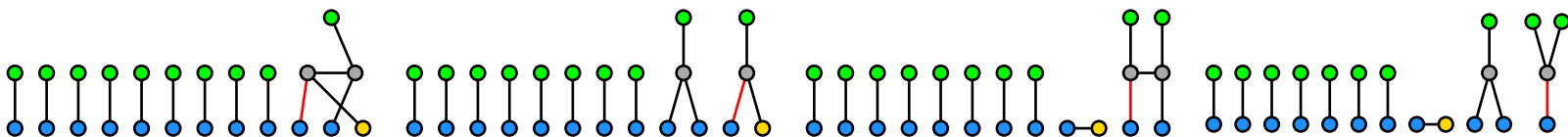


ID: 410  $V_1^9 \boxtimes V_1$

ID: 405  $V_1^8 \boxtimes V_1 \boxtimes V_1$

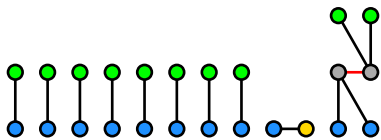
ID: 404  $V_1^8 \boxtimes V_1 \boxtimes V_1$

ID: 403  $V_1^7 \boxtimes V_1 \boxtimes V_2$

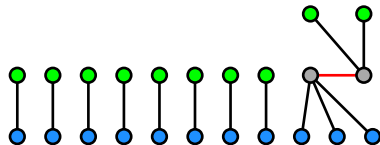


----- B,Birr cases without weight 11 relations      graphs: 5 -----

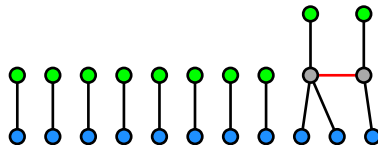
ID: 448  $V_1^8 \boxtimes V_2$



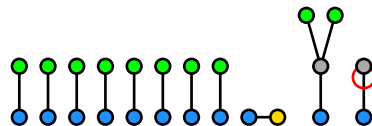
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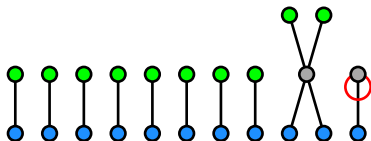
ID: 450  $V_1^8 \boxtimes V_1 \boxtimes V_1$



ID: 522  $V_1^8 \boxtimes V_2$



ID: 524  $V_1^8 \boxtimes V_2$

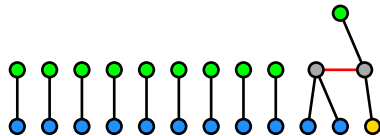
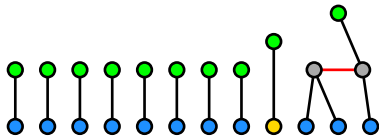


----- B,Birr cases with weight 11 relations

relation groups: 2 -----

ID: 447  $V_{1^8} \boxtimes V_1 \boxtimes V_1$

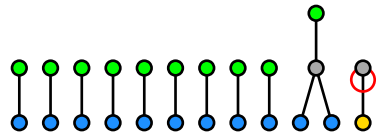
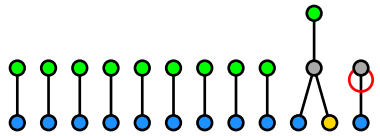
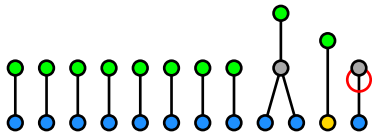
ID: 451  $V_{1^9} \boxtimes V_1$



ID: 523  $V_{1^8} \boxtimes V_1 \boxtimes V_1$

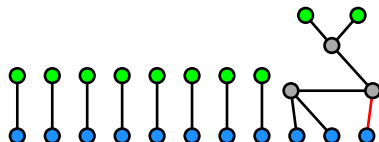
ID: 525  $V_{1^9} \boxtimes V_1$

ID: 526  $V_{1^9} \boxtimes V_1$

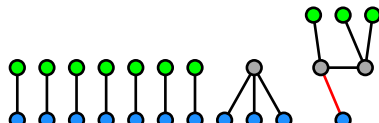


----- edges: 4    graphs: 20    -----  
 ----- A2 case with weight 13 relations    relation groups: 3 -----

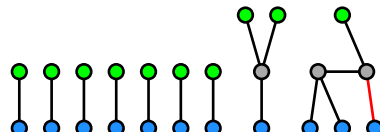
ID: 553  $V_1^8 \boxtimes V_2$



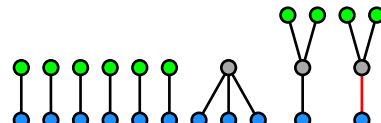
ID: 547  $V_1^7 \boxtimes V_1 \boxtimes V_2$



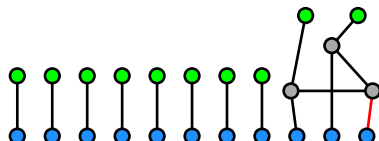
ID: 551  $V_1^7 \boxtimes V_2 \boxtimes V_1$



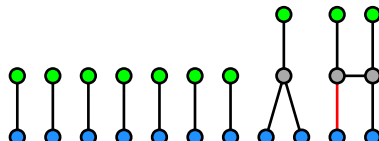
ID: 546  $V_1^6 \boxtimes V_2 \boxtimes V_2$



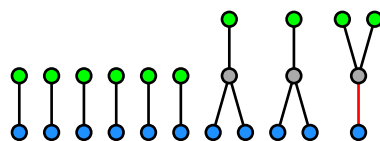
ID: 555  $V_1^8 \boxtimes V_1^2$



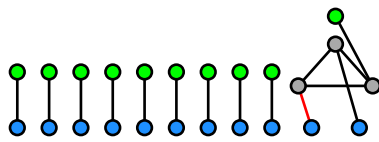
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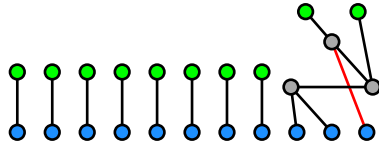
ID: 548  $V_1^6 \boxtimes V_2 \boxtimes V_2$



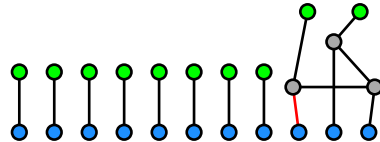
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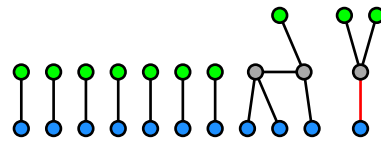
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ID: 554  $V_1^8 \boxtimes V_1 \boxtimes V_1$

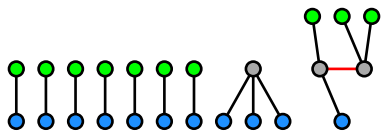


ID: 550  $V_1^7 \boxtimes V_1 \boxtimes V_2$

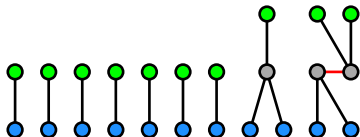




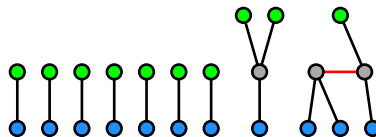
ID: 576  $V_1^7 \boxtimes V_1 \boxtimes V_2$



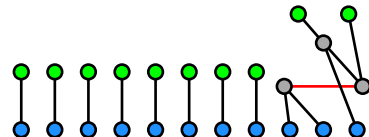
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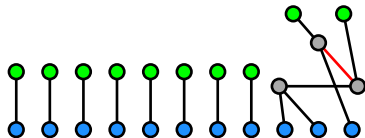
ID: 577  $V_1^7 \boxtimes V_2 \boxtimes V_1$



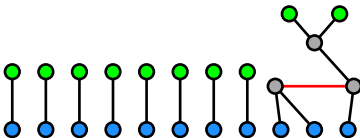
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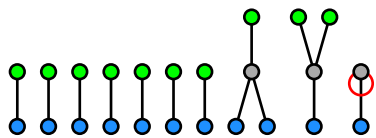
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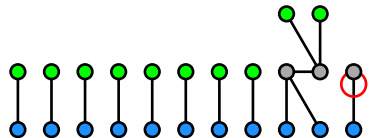
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ID: 610  $V_1^7 \boxtimes V_1 \boxtimes V_2$



ID: 611  $V_1^8 \boxtimes V_2$



ID: 612  $V_1^8 \boxtimes V_2$

