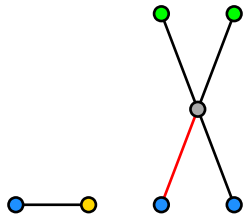
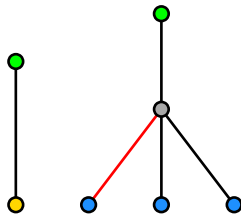


----- edges: 12-n      graphs: 165  
 --- A3 case      graphs: 66 ---

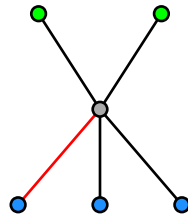
ID: 203     $V_1^{n-2} \boxtimes V_2$   
 n: 10 7 4



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

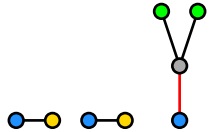


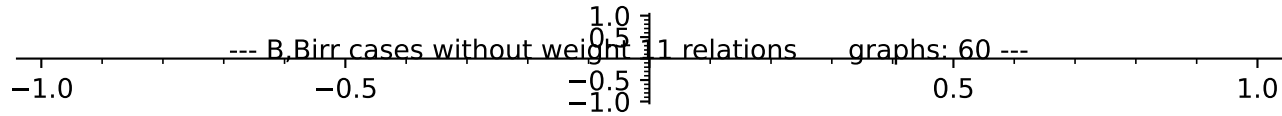
ID: 205     $V_1^{n-2} \boxtimes V_2$   
 n: 10 7 4

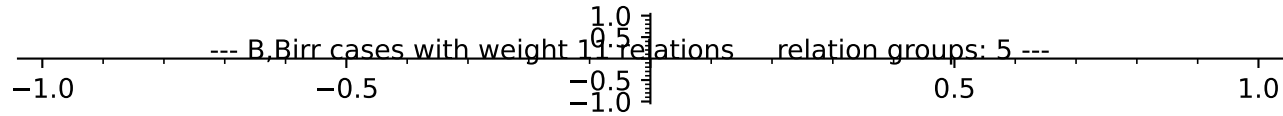


--- A2 case with weight 13 relations      relation groups: 4 ---

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

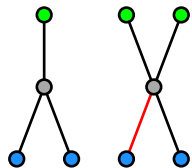




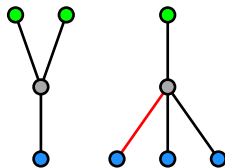


----- edges: 13-n      graphs: 178      -----  
 --- A3 case      graphs: 34      ---

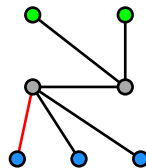
ID: 369     $V_1^{n-3} \boxtimes V_1 \boxtimes V_2$   
 n: 10 7 4



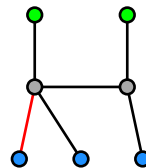
ID: 370     $V_1^{n-3} \boxtimes V_2 \boxtimes V_1$   
 n: 10 7 4



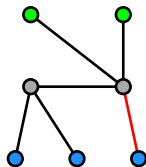
ID: 371     $V_1^{n-2} \boxtimes V_2$   
 n: 10 7 4



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

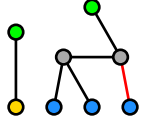


ID: 373     $V_1^{n-2} \boxtimes V_2$   
 n: 10 7 4

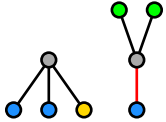




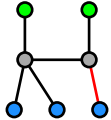
ID: 407  $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$   
n: 10 7 4



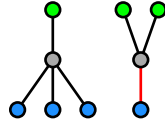
ID: 408  $V_1^{n-2} \boxtimes V_2$   
n: 10 7 4



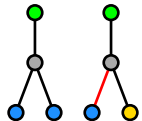
ID: 409  $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$   
n: 10 7 4



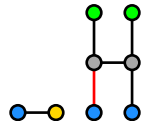
ID: 406  $V_1^{n-3} \boxtimes V_1 \boxtimes V_2$   
n: 10 7 4



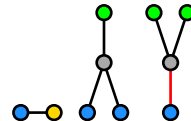
ID: 405  $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$   
n: 10 7 4



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

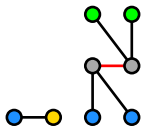


ID: 403  $V_1^{n-3} \boxtimes V_1 \boxtimes V_2$   
n: 10 7 4

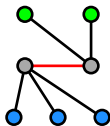


--- B,Birr cases without weight 11 relations      graphs: 76 ---

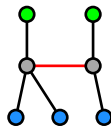
ID: 448     $V_1^{n-2} \boxtimes V_2$   
n: 10 7 4



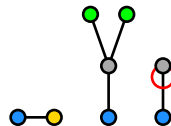
ID: 449     $V_1^{n-2} \boxtimes V_2$   
n: 10 7 4



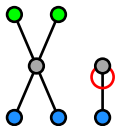
ID: 450     $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$   
n: 10 7 4



ID: 522     $V_1^{n-2} \boxtimes V_2$   
n: 10 7 4



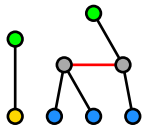
ID: 524     $V_1^{n-2} \boxtimes V_2$   
n: 10 7 4



--- B,Birr cases with weight 11 relations      relation groups: 6 ---

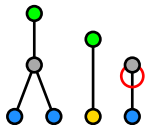
ID: 447     $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$

n: 10 7 4



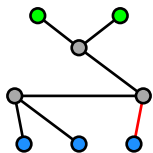
ID: 523     $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$

n: 10 7 4

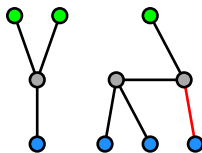


----- edges: 14-n    graphs: 73    -----  
 --- A2 case with weight 13 relations    relation groups: 6 ---

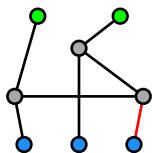
ID: 553  $V_{1^{n-2}} \boxtimes V_2$   
 n: 10 7 4



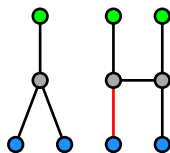
ID: 551  $V_{1^{n-3}} \boxtimes V_2 \boxtimes V_1$   
 n: 10 7 4



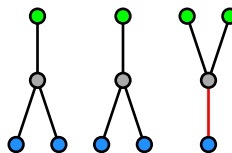
ID: 555  $V_{1^{n-2}} \boxtimes V_1^2$   
 n: 10 7 4



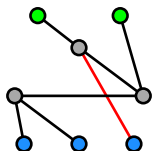
ID: 549  $V_{1^{n-3}} \boxtimes V_1 \boxtimes V_1 \boxtimes V_1$   
 n: 10 7 4



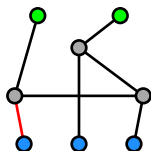
ID: 548  $V_{1^{n-4}} \boxtimes V_2 \boxtimes V_2$   
 n: 10 7 4



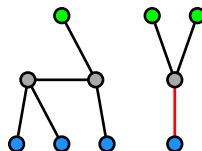
ID: 552  $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$   
 n: 10 7 4



ID: 554  $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$   
 n: 10 7 4



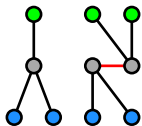
ID: 550  $V_{1^{n-3}} \boxtimes V_1 \boxtimes V_2$   
 n: 10 7 4



--- B,Birr cases without weight 11 relations      graphs: 43 ---

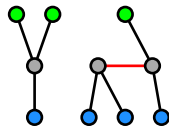
ID: 578     $V_1^{n-3} \boxtimes V_1 \boxtimes V_2$

n: 10 7 4



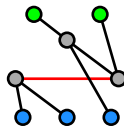
ID: 577     $V_1^{n-3} \boxtimes V_2 \boxtimes V_1$

n: 10 7 4



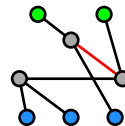
ID: 579     $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$

n: 10 7 4



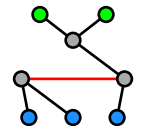
ID: 580     $V_1^{n-2} \boxtimes V_1 \boxtimes V_1$

n: 10 7 4



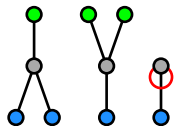
ID: 581     $V_1^{n-2} \boxtimes V_2$

n: 10 7 4



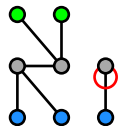
ID: 610     $V_1^{n-3} \boxtimes V_1 \boxtimes V_2$

n: 10 7 4



ID: 611     $V_1^{n-2} \boxtimes V_2$

n: 10 7 4



ID: 612     $V_1^{n-2} \boxtimes V_2$

n: 10 7 4

