---- excess: 4   (g,n): (1, 13), (3, 10), (5, 7), (7, 4), (9, 1)   graphs: 488 ----

--------- edges: 10-n   graphs: 10   ---------

--- A3 case   graphs: 10 ---

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

−1.0　　　　　−0.5　　　　　−0.0　　　　　0.5　　　　　1.0

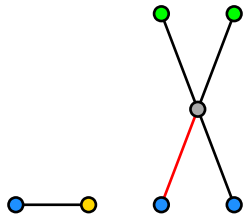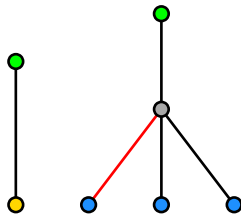--- B_Birr cases without weight 11 relations   graphs: 19 ---

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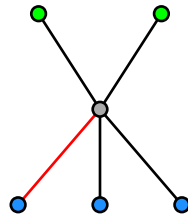--- A3 case graphs: 66 ---

ID: 203 $V_{1^{n-2}} \boxtimes V_2$
n: 10 7 4

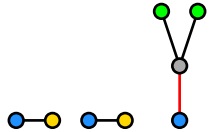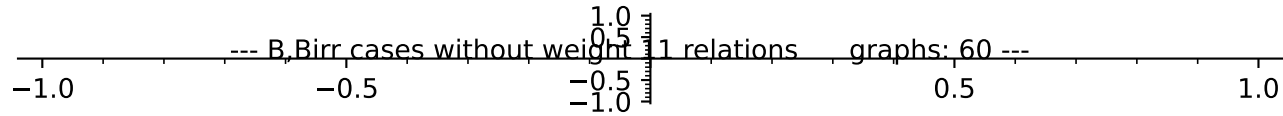ID: 204 $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$
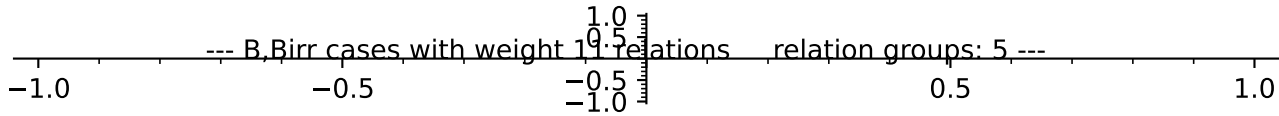n: 10 7 4

ID: 205 $V_{1^{n-2}} \boxtimes V_2$
n: 10 7 4

--- A2 case with weight 13 relations   relation groups: 4 ---
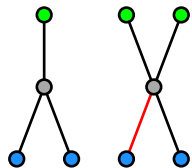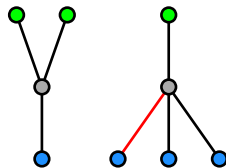
ID: 269 $V_1 {}^{n-2} \boxtimes V_2$
n: 10 7 4

--- B_Birr cases without weight 11 relations   graphs: 60 ---

--- B,Birr cases with weight 1, relations   relation groups: 5 ---

1.0
0.5
-0.5
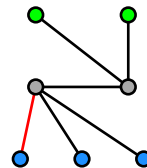-1.0

-1.0   -0.5   0.5   1.0

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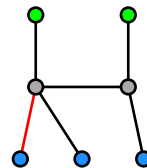n: 10 7 4

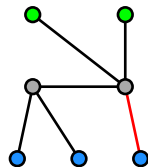ID: 370 $V_{1^{n-3}} \boxtimes V_2 \boxtimes V_1$
n: 10 7 4

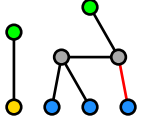ID: 371 $V_{1^{n-2}} \boxtimes V_2$
n: 10 7 4

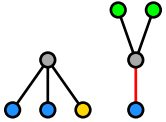ID: 372 $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$
n: 10 7 4

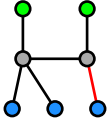ID: 373 $V_{1^{n-2}} \boxtimes V_2$
n: 10 7 4

--- A2 case with weight 13 relations   relation groups: 8 ---

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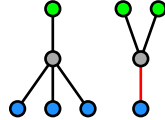n: 10 7 4

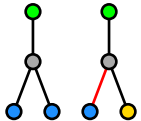ID: 408 $V_{1^{n-2}} \boxtimes V_2$
n: 10 7 4

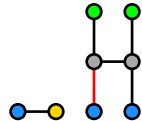ID: 409 $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$
n: 10 7 4

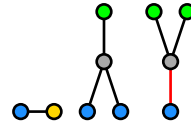ID: 406 $V_{1^{n-3}} \boxtimes V_1 \boxtimes V_2$
n: 10 7 4

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

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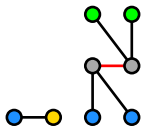n: 10 7 4

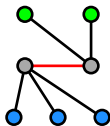ID: 403 $V_{1^{n-3}} \boxtimes V_1 \boxtimes V_2$
n: 10 7 4

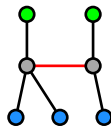--- B,Birr cases without weight 11 relations   graphs: 74 ---

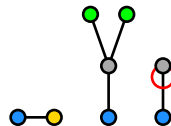ID: 448 $V_1{}^{n-2}\boxtimes V_2$
n: 10 7 4
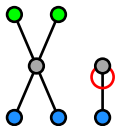
ID: 449 $V_1{}^{n-2}\boxtimes V_2$
n: 10 7 4

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

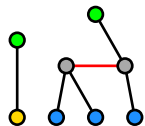ID: 520 $V_1{}^{n-2}\boxtimes V_2$
n: 10 7 4

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

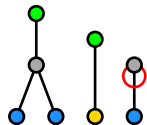--- B,Birr cases with weight 11 relations   relation groups: 6 ---

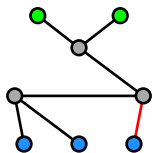ID: 447 $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$
n: 10 7 4

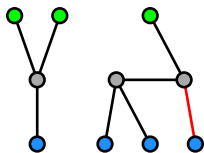ID: 521 $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$
n: 10 7 4

--------- edges: 14-n   graphs: 73   ---------
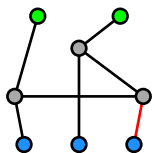--- A2 case with weight 13 relations   relation groups: 6 ---
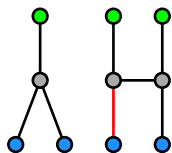
ID: 551 $V_1{}^{n-2} \boxtimes V_2$
n: 10 7 4

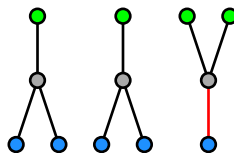ID: 549 $V_1{}^{n-3} \boxtimes V_2 \boxtimes V_1$
n: 10 7 4
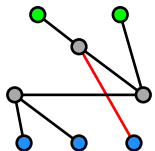
ID: 553 $V_1{}^{n-2} \boxtimes V_1{}^2$
n: 10 7 4

ID: 547 $V_1{}^{n-3} \boxtimes V_1 \boxtimes V_1 \boxtimes V_1$
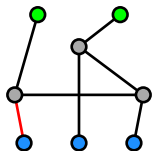n: 10 7 4

ID: 546 $V_1{}^{n-4} \boxtimes V_2 \boxtimes V_2$
n: 10 7 4
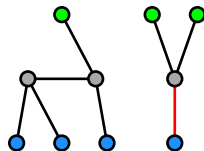
ID: 550 $V_1{}^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 10 7 4

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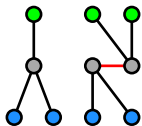n: 10 7 4

ID: 548 $V_1{}^{n-3} \boxtimes V_1 \boxtimes V_2$
n: 10 7 4

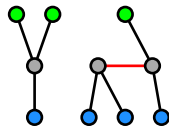--- B,Birr cases without weight 11 relations   graphs: 43 ---

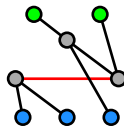ID: 576 $V_1{}^{n-3} \boxtimes V_1 \boxtimes V_2$
n: 10 7 4

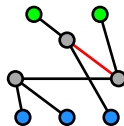ID: 575 $V_1{}^{n-3} \boxtimes V_2 \boxtimes V_1$
n: 10 7 4

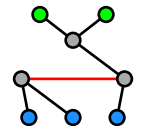ID: 577 $V_1{}^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 10 7 4

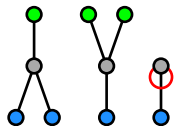ID: 578 $V_1{}^{n-2} \boxtimes V_1 \boxtimes V_1$
n: 10 7 4

ID: 579 $V_1{}^{n-2} \boxtimes V_2$
n: 10 7 4

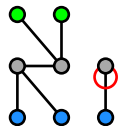ID: 608 $V_1{}^{n-3} \boxtimes V_1 \boxtimes V_2$
n: 10 7 4

ID: 609 $V_1{}^{n-2} \boxtimes V_2$
n: 10 7 4

ID: 610 $V_1{}^{n-2} \boxtimes V_2$
n: 10 7 4