---- 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 ---
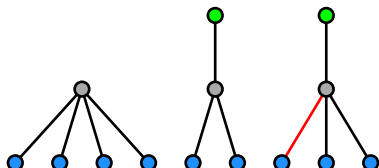
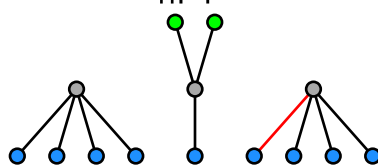ID: 227 $V_{1^{n-2}} \boxtimes V_2$
n: 4

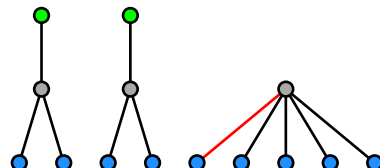ID: 228 $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$
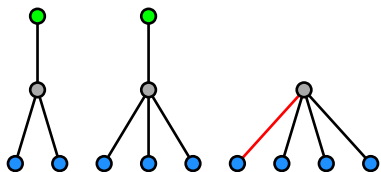n: 4

ID: 229 $V_{1^{n-2}} \boxtimes V_2$
n: 4

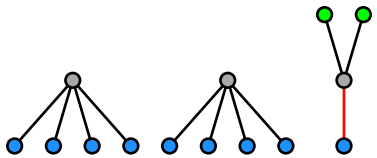ID: 230 $V_{1^{n-2}} \boxtimes V_2$
n: 4

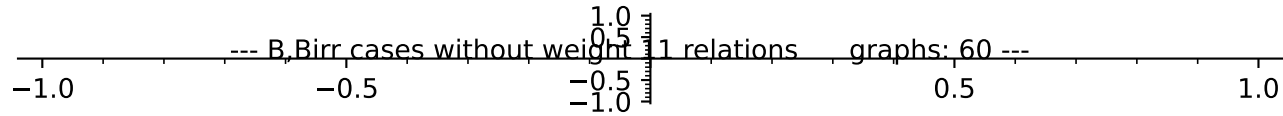ID: 231 $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$
n: 4

--- A2 case with weight 13 relations   relation groups: 4 ---
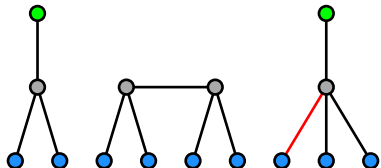
ID: 279 $V_1{}^{n-2} \boxtimes V_2$
n: 4

--- B,Birr cases without weight 11 relations   graphs: 60 ---

1.0
0.5
-0.5
-1.0

-1.0   -0.5   0.5   1.0

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

1.0
0.5
-0.5
-1.0

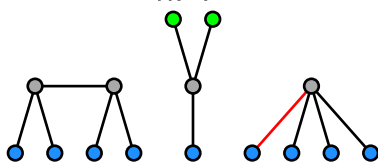-1.0   -0.5   0.5   1.0
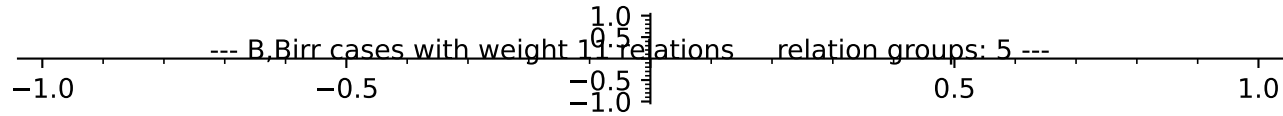
--------- edges: 13-n graphs: 176 ---------
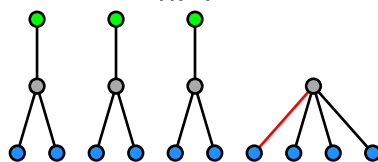--- A3 case graphs: 34 ---

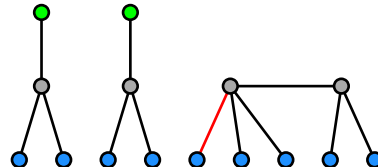ID: 387 $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$
n: 4

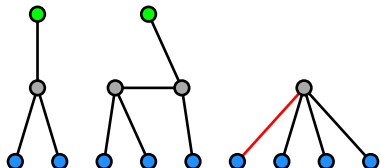ID: 388 $V_{1^{n-2}} \boxtimes V_2$
n: 4

ID: 389 $V_{1^{n-3}} \boxtimes V_3$
n: 4

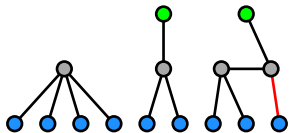ID: 390 $V_{1^{n-2}} \boxtimes V_2$
n: 4

ID: 391 $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$
n: 4

--- A2 case with weight 13 relations   relation groups: 8 ---
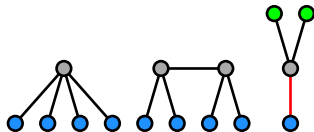
ID: 432 $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$
n: 4

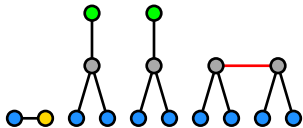

ID: 431 $V_{1^{n-2}} \boxtimes V_2$
n: 4

--- B,Birr cases without weight 11 relations   graphs: 74 ---
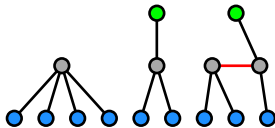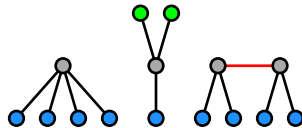
ID: 475 $V_{1^{n-2}} \boxtimes V_2$
n: 4

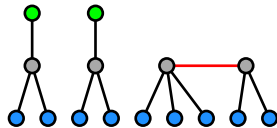ID: 479 $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$
n: 4

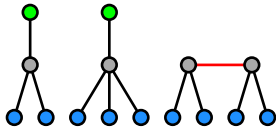ID: 476 $V_{1^{n-2}} \boxtimes V_2$
n: 4

ID: 478 $V_{1^{n-2}} \boxtimes V_2$
n: 4

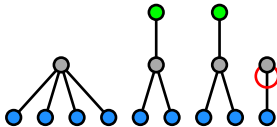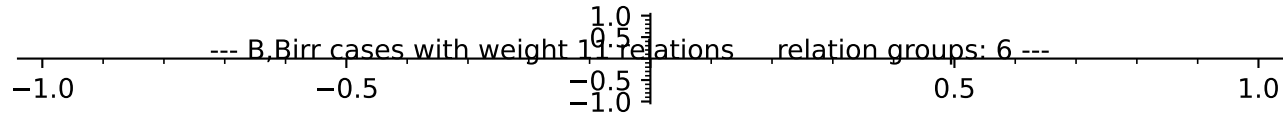ID: 477 $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$
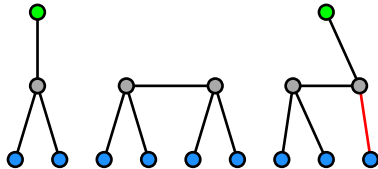n: 4

ID: 535 $V_{1^{n-2}} \boxtimes V_2$
n: 4

--- B,Birr cases with weight 19 relations   relation groups: 6 ---

1.0
0.5
-0.5
-1.0

-1.0   -0.5   0.5   1.0
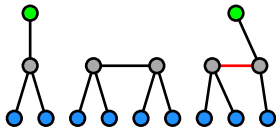
ID: 567 $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$

n: 4

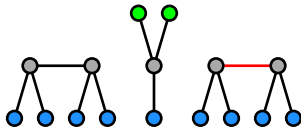--- B,Birr cases without weight 11 relations   graphs: 43 ---

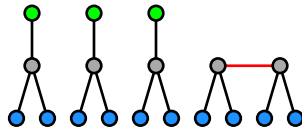ID: 597 $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$
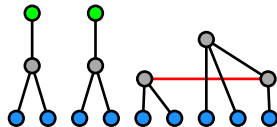n: 4

ID: 593 $V_{1^{n-2}} \boxtimes V_2$
n: 4

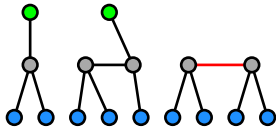ID: 594 $V_{1^{n-3}} \boxtimes V_3$
n: 4

ID: 596 $V_{1^{n-2}} \boxtimes V_2$
n: 4

ID: 595 $V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$
n: 4

ID: 615 $V_{1^{n-2}} \boxtimes V_2$
n: 4