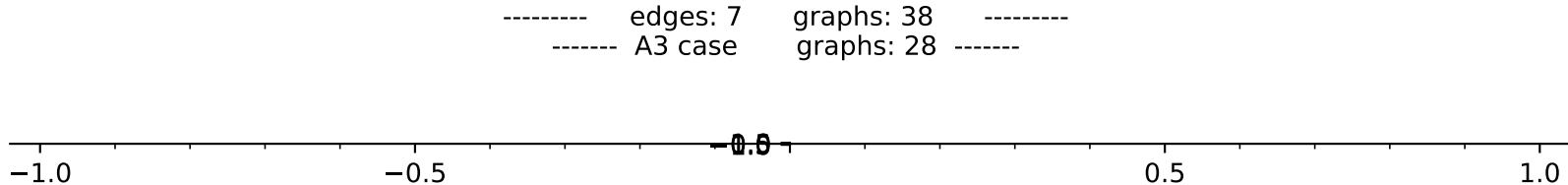
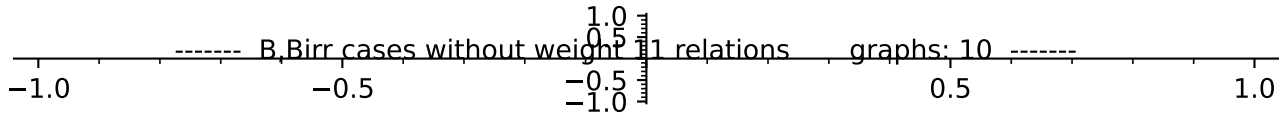
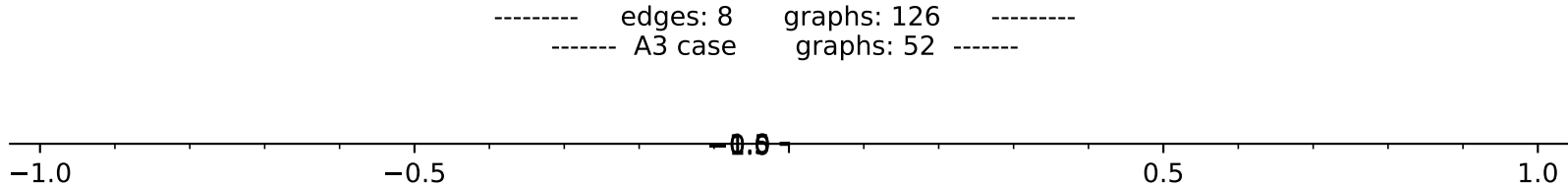
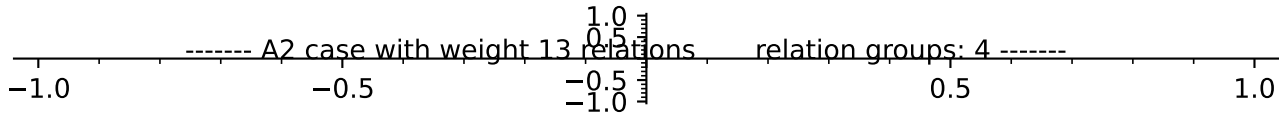


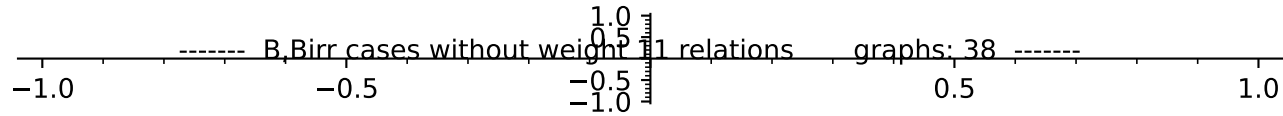
----- g,n: 7,4 graphs: 392 eliminated: 380 ----- Euler Characteristic (without resolving relations):
----- $-6V_1^4 + 2V_1^3 \boxtimes V_1 + 1V_1^2 \boxtimes V_2 - 1V_1^2 \boxtimes V_1^2 + 1V_1^2 \boxtimes V_1 \boxtimes V_1 - 3V_1 \boxtimes V_1 \boxtimes V_2 - 1V_1 \boxtimes V_1 \boxtimes V_1 \boxtimes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







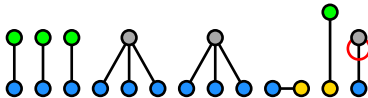




----- B,Birr cases with weight 11 relations

relation groups: 5 -----

ID: 348 $V_1^3 \boxtimes V_1$



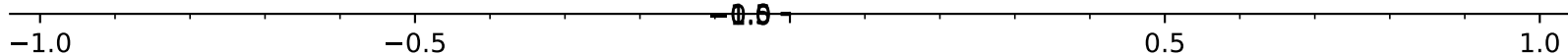
ID: 346 V_1^4



```

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

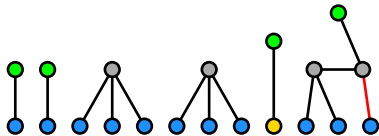
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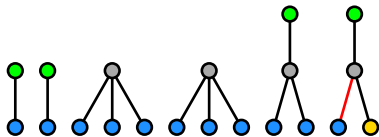
----- A2 case with weight 13 relations

relation groups: 8 -----

ID: 407 $V_{1^2} \boxtimes V_1 \boxtimes V_1$

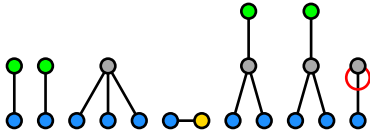


ID: 405 $V_{1^2} \boxtimes V_1 \boxtimes V_1$



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

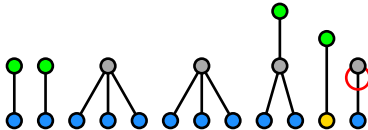
ID: 527 $V_1^2 \boxtimes V_2$



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

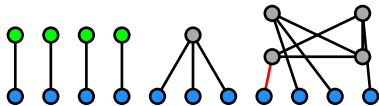
relation groups: 6 -----

ID: 523 $V_1^2 \boxtimes V_1 \boxtimes V_1$

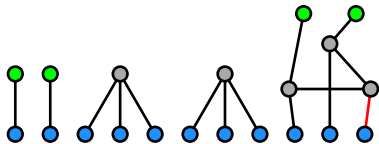


----- edges: 10 graphs: 69 -----
 ----- A2 case with weight 13 relations relation groups: 6 -----

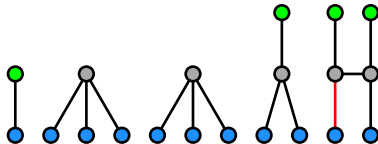
ID: 563 V_1^4



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

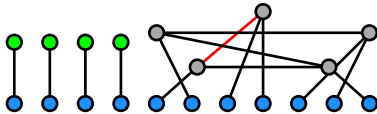


ID: 549 $V_1 \boxtimes V_1 \boxtimes V_1 \boxtimes V_1$

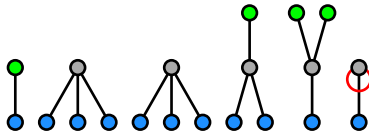


----- B,Birr cases without weight 11 relations graphs: 40 -----

ID: 606 V_1^4



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



ID: 614 $V_1 \boxtimes V_3$

