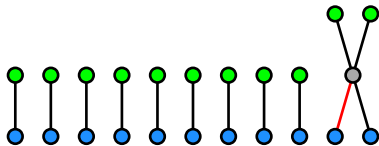


----- g,n: 2,11 graphs: 9 eliminated: 5 ----- Euler Characteristic (without resolving relations):
 ----- $1V_1^{11}+2V_1^{10}\boxtimes V_1-1V_1^9\boxtimes V_1\boxtimes V_1-1V_1^8\boxtimes V_1\boxtimes V_2$ -----
 ----- edges: 1 graphs: 5 -----
 ----- A3 case graphs: 1 -----

ID: 57 $V_1^9\boxtimes V_2$
 \mapsto ID 113

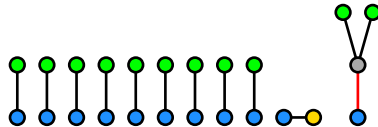
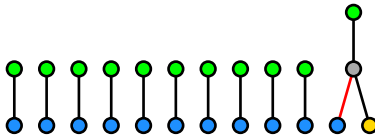


----- A2 case with weight 13 relations

relation groups: 1 -----

ID: 70 $V_1^{10} \boxtimes V_1$

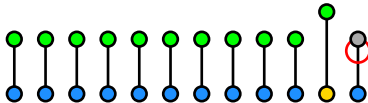
ID: 69 $V_1^9 \boxtimes V_2$
Redundant



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

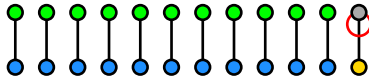
relation groups: 1 -----

ID: 97 $V_1^{10} \boxtimes V_1$



ID: 96 V_1^{11}

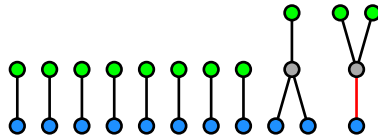
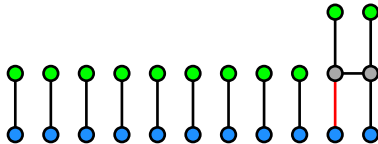
Redundant



----- edges: 2 graphs: 4 -----
 ----- A2 case with weight 13 relations relation groups: 1 -----

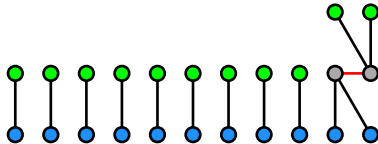
ID: 106 $V_1^9 \boxtimes V_1 \boxtimes V_1$

ID: 105 $V_1^8 \boxtimes V_1 \boxtimes V_2$
 Redundant



----- B,Birr cases without weight 11 relations graphs: 2 -----

ID: 113 $V_1^9 \boxtimes V_2$
← ID 57



ID: 125 $V_1^9 \boxtimes V_2$

