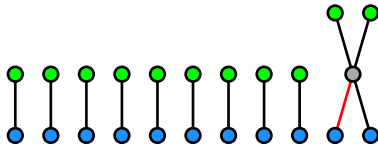---------- g,n: 2,11   graphs: 9   ---------- Euler Characteristic (without resolving relations):

$$1V_{1^{11}} + 2V_{1^{10}} \boxtimes V_1 - 1V_{1^9} \boxtimes V_1 \boxtimes V_1 - 1V_{1^8} \boxtimes V_1 \boxtimes V_2$$ ---------

--------- edges: 1   graphs: 5   ---------

------- A3 case   graphs: 1 -------

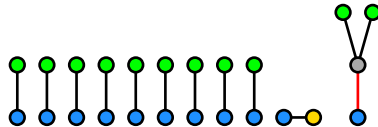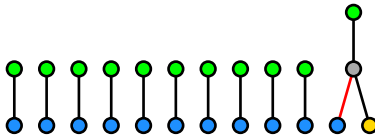ID: 26 $V_{1^9} \boxtimes V_2$

------- A2 case with weight 13 relations   relation groups: 1 -------

ID: 32 $V_1{}^{10} \boxtimes V_1$

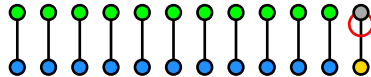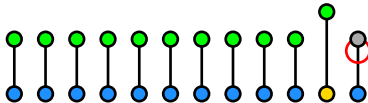ID: 77 $V_1{}^{9} \boxtimes V_2$

------- B,Birr cases with weight 11 relations   relation groups: 1 -------
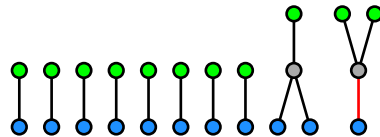
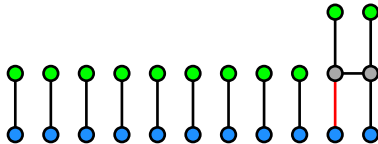ID: 67 $V_1{}^{10} \boxtimes V_1$

ID: 52 $V_1{}^{11}$

--------- edges: 2   graphs: 4   ---------
------- A2 case with weight 13 relations   relation groups: 1 -------
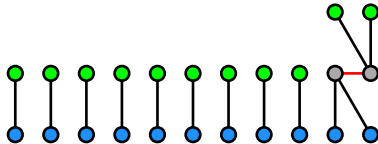
ID: 35 $V_1{}^9 \boxtimes V_1 \boxtimes V_1$ ID: 93 $V_1{}^8 \boxtimes V_1 \boxtimes V_2$

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

ID: 45 $V_{1^9} \boxtimes V_2$

ID: 71 $V_{1^9} \boxtimes V_2$