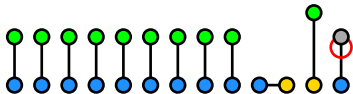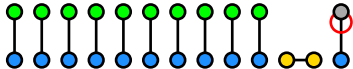------- g,n: 3,10   graphs: 55   eliminated+redundant: 45 -------

Euler Characteristic (without relations): $-2V_{1^{10}}+1V_{1^9}\boxtimes V_1-1V_{1^8}\boxtimes V_{1^2}+3V_{1^8}\boxtimes V_1\boxtimes V_1+1V_{1^7}\boxtimes V_3-2V_{1^7}\boxtimes V_1\boxtimes V_2-1V_{1^7}\boxtimes V_1\boxtimes V_1\boxtimes V_1$

--------- edges: 2   graphs: 9   ---------

------- B,Birr cases with weight 11 relations   relation groups: 1 -------
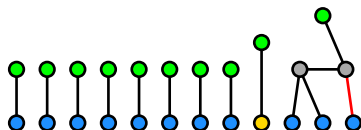
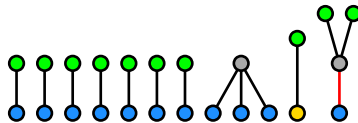ID: 348 $V_{1^9}\boxtimes V_1$

ID: 346 $V_{1^{10}}$

--------- edges: 3   graphs: 26   ---------
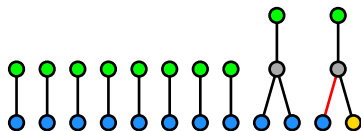------- A2 case with weight 13 relations   relation groups: 4 -------

ID: 407 $V_{1^8} \boxtimes V_1 \boxtimes V_1$

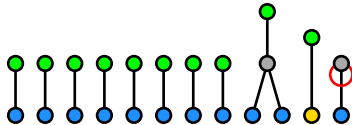ID: 402 $V_{1^7} \boxtimes V_1 \boxtimes V_2$
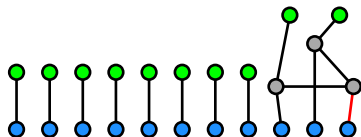

ID: 405 $V_{1^8} \boxtimes V_1 \boxtimes V_1$
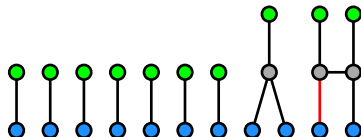
ID: 523 $V_{1^8} \boxtimes V_1 \boxtimes V_1$

ID: 547 $V_{1^7} \boxtimes V_1 \boxtimes V_2$
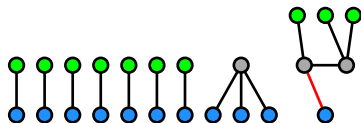
ID: 555 $V_{1^8} \boxtimes V_{1^2}$

ID: 549 $V_{1^7} \boxtimes V_1 \boxtimes V_1 \boxtimes V_1$

ID: 610 $V_{1^7} \boxtimes V_1 \boxtimes V_2$