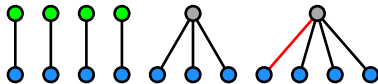---------- g,n: 6,4   graphs: 3   ----------

------ Euler Characteristic (without resolving relations): $1V_{1^4}$ ------

--------- edges: 6   graphs: 1   ---------

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

ID: 0 V_{1^4}

$\mapsto$ ID 1

--------- edges: 7 graphs: 2 ---------
------- B,Birr cases without weight 11 relations graphs: 2 -------

ID: 1 V_{1^4}

$\hookleftarrow$ ID 0

ID: 2 V_{1^4}