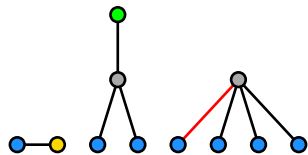
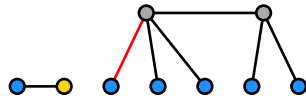


----- edges: 11-n graphs: 28 -----
 --- A3 case graphs: 17 ---

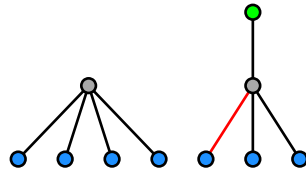
ID: 33 $V_1^{n-1} \boxtimes V_1$
 n: 5 2 \mapsto ID 82



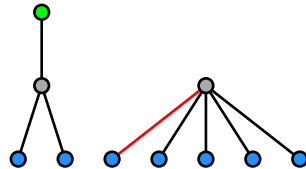
ID: 34 V_1^n
 n: 5 2 \leftarrow ID 24



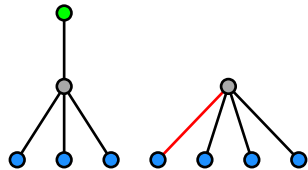
ID: 35 $V_1^{n-1} \boxtimes V_1$
 n: 5 2 \mapsto ID 62



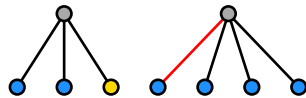
ID: 36 $V_1^{n-1} \boxtimes V_1$
 n: 5 2 \mapsto ID 64



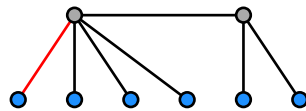
ID: 37 $V_1^{n-1} \boxtimes V_1$
 n: 5 2 \mapsto ID 65



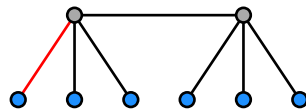
ID: 38 V_1^n
 n: 5 2 \mapsto ID 84



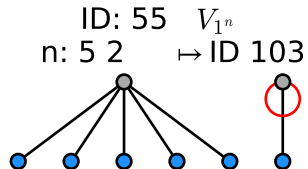
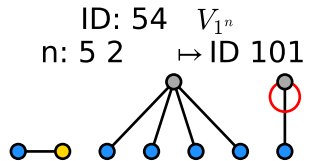
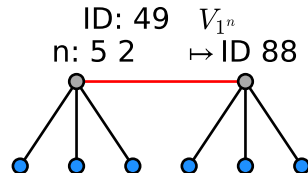
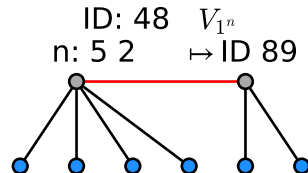
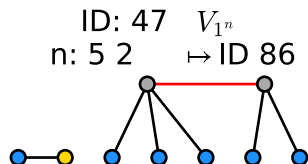
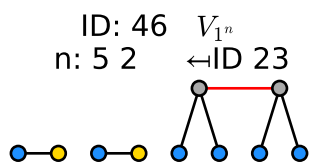
ID: 39 V_1^n
 n: 5 2 \leftarrow ID 25



ID: 40 V_1^n
 n: 5 2 \mapsto ID 66

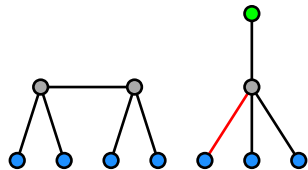


--- B,Birr cases without weight 11 relations graphs: 11 ---

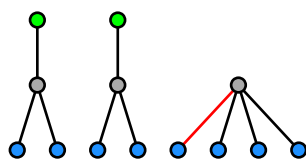


----- edges: 12-n graphs: 48 -----
 --- A3 case graphs: 12 ---

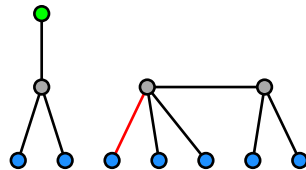
ID: 62 $V_1^{n-1} \boxtimes V_1$
 n: 5 2 \leftarrow ID 35



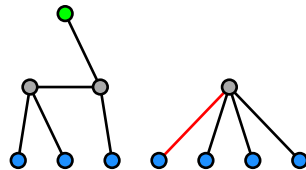
ID: 63 $V_1^{n-2} \boxtimes V_2$
 n: 5 2 \mapsto ID 118



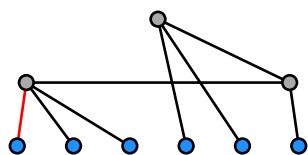
ID: 64 $V_1^{n-1} \boxtimes V_1$
 n: 5 2 \leftarrow ID 36



ID: 65 $V_1^{n-1} \boxtimes V_1$
 n: 5 2 \leftarrow ID 37

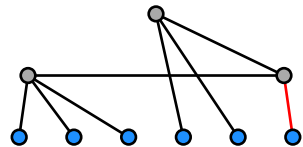


ID: 66 V_1^n
 n: 5 2 \leftarrow ID 40

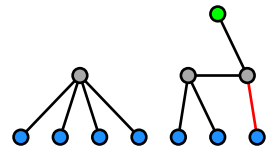


--- A2 case with weight 13 relations relation groups: 2 ---

ID: 76 V_1^n
 n: 5 2 \mapsto ID 112

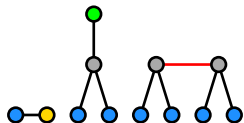


ID: 75 $V_1^{n-1} \boxtimes V_1$
 n: 5 2 Redundant

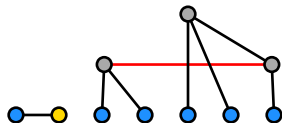


--- B,Birr cases without weight 11 relations graphs: 22 ---

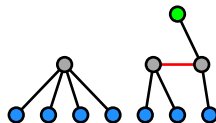
ID: 82 $V_1^{n-1} \boxtimes V_1$
n: 5 2 \leftrightarrow ID 33



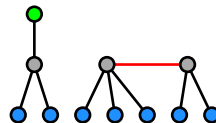
ID: 86 V_1^n
n: 5 2 \leftrightarrow ID 47



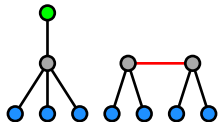
ID: 87 $V_1^{n-1} \boxtimes V_1$
n: 5 2 \mapsto ID 121



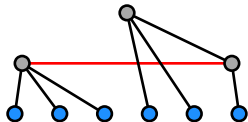
ID: 85 $V_1^{n-1} \boxtimes V_1$
n: 5 2 \mapsto ID 120



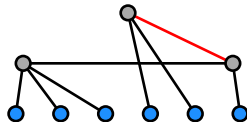
ID: 83 $V_1^{n-1} \boxtimes V_1$
n: 5 2 \mapsto ID 119



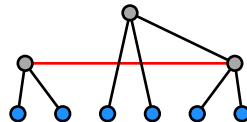
ID: 88 V_1^n
n: 5 2 \leftrightarrow ID 49



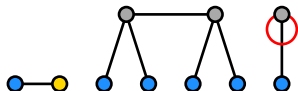
ID: 90 V_1^n
n: 5 2 \mapsto ID 122



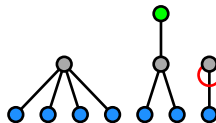
ID: 89 V_1^n
n: 5 2 \leftrightarrow ID 48



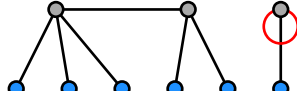
ID: 101 V_1^n
n: 5 2 \leftrightarrow ID 54



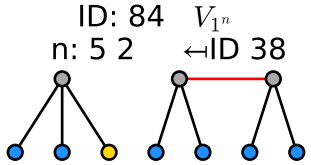
ID: 102 $V_1^{n-1} \boxtimes V_1$
n: 5 2 \mapsto ID 128



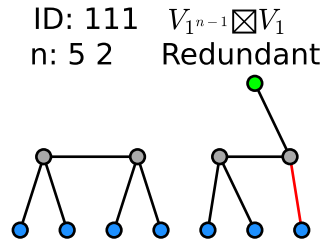
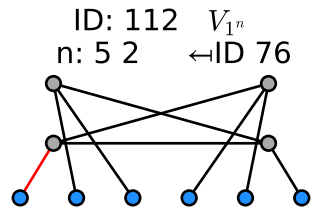
ID: 103 V_1^n
n: 5 2 \leftrightarrow ID 55



--- B,Birr cases with weight 11 relations relation groups: 2 ---

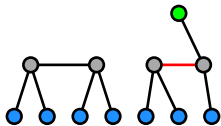


----- edges: 13-n graphs: 24 -----
 --- A2 case with weight 13 relations relation groups: 2 ---

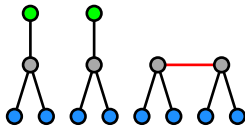


--- B,Birr cases without weight 11 relations graphs: 16 ---

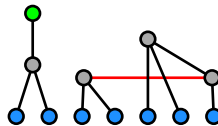
ID: 121 $V_1^{n-1} \boxtimes V_1$
n: 5 2 \leftarrow ID 87



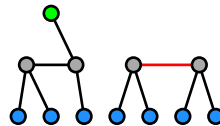
ID: 118 $V_1^{n-2} \boxtimes V_2$
n: 5 2 \leftarrow ID 63



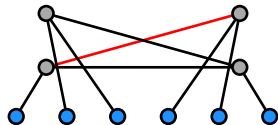
ID: 120 $V_1^{n-1} \boxtimes V_1$
n: 5 2 \leftarrow ID 85



ID: 119 $V_1^{n-1} \boxtimes V_1$
n: 5 2 \leftarrow ID 83



ID: 122 V_1^n
n: 5 2 \leftarrow ID 90



ID: 128 $V_1^{n-1} \boxtimes V_1$
n: 5 2 \leftarrow ID 102

