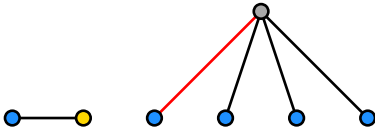
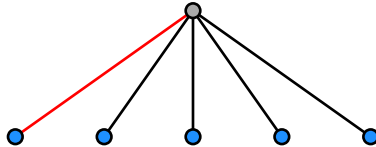


----- excess: 2 (g,n): (1, 12), (3, 9), (5, 6), (7, 3), (9, 0) graphs: 20 -----  
 ----- edges: 10-n graphs: 3 -----  
 --- A3 case graphs: 3 ---

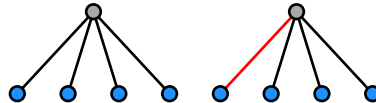
ID: 3  $V_1^n$   
 n: 6 3 0



ID: 4  $V_1^n$   
 n: 6 3 0

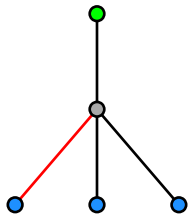


ID: 5  $V_1^n$   
 n: 3 0

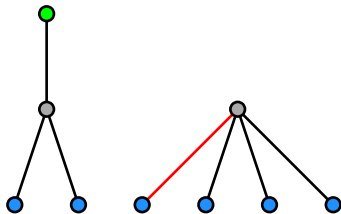


----- edges: 11-n      graphs: 9      -----  
 --- A3 case      graphs: 4      ---

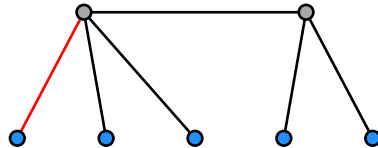
ID: 6     $V_{1^{n-1}} \boxtimes V_1$   
 n: 9 6 3



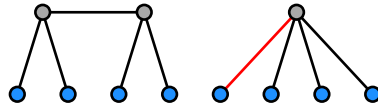
ID: 7     $V_{1^{n-1}} \boxtimes V_1$   
 n: 6 3



ID: 8     $V_{1^n}$   
 n: 6 3 0

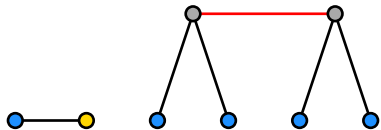


ID: 9     $V_{1^n}$   
 n: 3 0

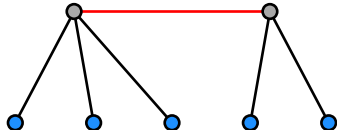


--- B,Birr cases without weight 11 relations      graphs: 5 ---

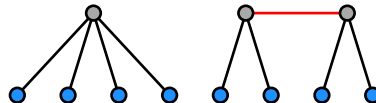
ID: 10  $V_1^n$   
n: 6 3 0



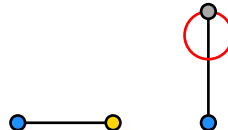
ID: 11  $V_1^n$   
n: 6 3 0



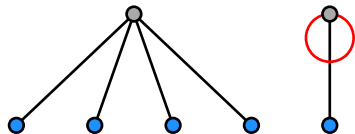
ID: 12  $V_1^n$   
n: 3 0



ID: 13  $V_1^n$   
n: 9 6 3 0

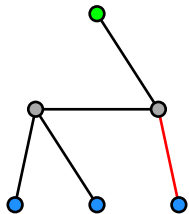


ID: 14  $V_1^n$   
n: 6 3 0

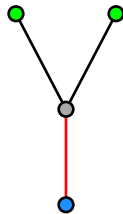


----- edges: 12-n      graphs: 8      -----  
 --- A2 case with weight 13 relations      relation groups: 1 ---

ID: 16     $V_1^{n-1} \boxtimes V_1$   
 n: 9 6 3

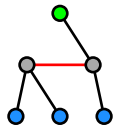


ID: 15     $V_1^{n-2} \boxtimes V_2$   
 n: 12 9 6 3

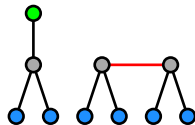


--- B,Birr cases without weight 11 relations      graphs: 6 ---

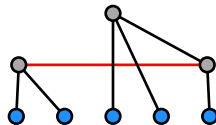
ID: 17     $V_{1^{n-1}} \boxtimes V_1$   
n: 9 6 3



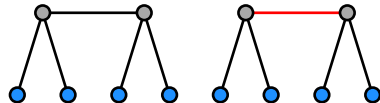
ID: 18     $V_{1^{n-1}} \boxtimes V_1$   
n: 6 3



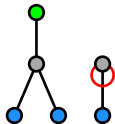
ID: 19     $V_{1^n}$   
n: 6 3 0



ID: 20     $V_{1^n}$   
n: 3 0



ID: 21     $V_{1^{n-1}} \boxtimes V_1$   
n: 9 6 3



ID: 22     $V_{1^n}$   
n: 6 3 0

