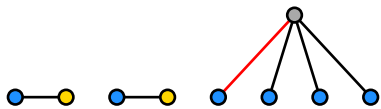
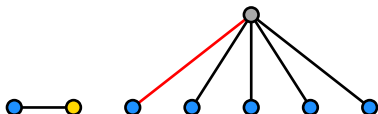


----- excess: 3 (g,n): (2, 11), (4, 8), (6, 5), (8, 2) graphs: 106 -----  
 ----- edges: 10-n graphs: 6 -----  
 --- A3 case graphs: 6 ---

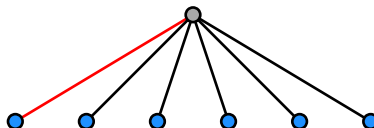
$V_1^n$   
ID: 106 n: 5 2



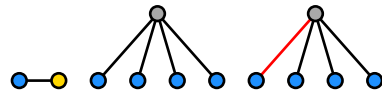
$V_1^n$   
ID: 74 n: 5 2



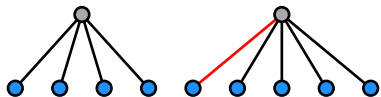
$V_1^n$   
ID: 23 n: 5 2



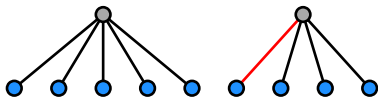
$V_1^n$   
ID: 107 n: 2



$V_1^n$   
ID: 82 n: 2

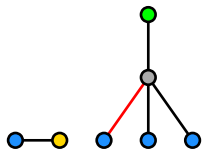


$V_1^n$   
ID: 54 n: 2

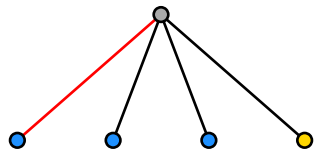


----- edges: 11-n      graphs: 28      -----  
 --- A3 case      graphs: 17      ---

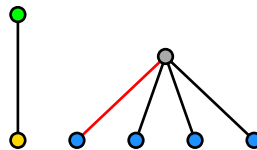
$V_1^{n-1} \boxtimes V_1$   
 ID: 75    n: 8 5 2



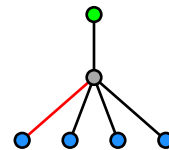
$V_1^n$   
 ID: 24    n: 8 5 2



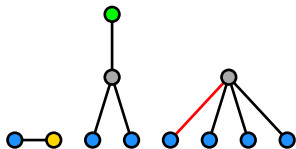
$V_1^{n-1} \boxtimes V_1$   
 ID: 53    n: 8 5 2



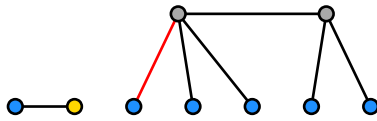
$V_1^{n-1} \boxtimes V_1$   
 ID: 25    n: 8 5 2



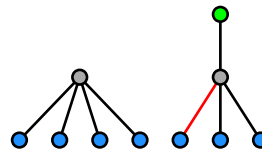
$V_1^{n-1} \boxtimes V_1$   
 ID: 108    n: 5 2



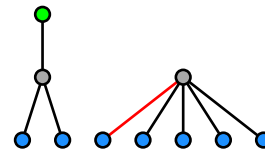
$V_1^n$   
 ID: 76    n: 5 2



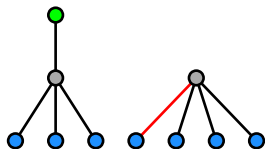
$V_1^{n-1} \boxtimes V_1$   
 ID: 83    n: 5 2



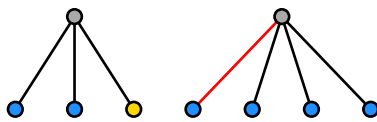
$V_1^{n-1} \boxtimes V_1$   
 ID: 90    n: 5 2



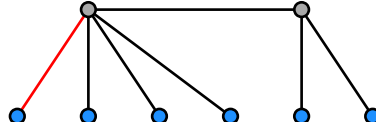
$V_1^{n-1} \boxtimes V_1$   
 ID: 56    n: 5 2



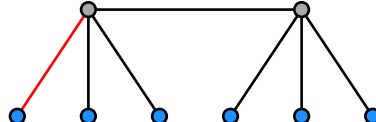
$V_1^n$   
 ID: 55    n: 5 2



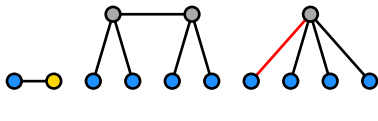
$V_1^n$   
 ID: 27    n: 5 2



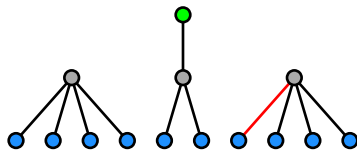
$V_1^n$   
 ID: 28    n: 5 2



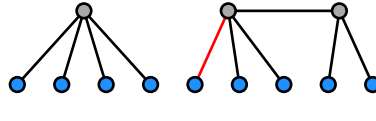
$V_1^n$   
 ID: 109    n: 2



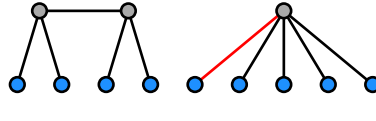
$V_1^{n-1} \boxtimes V_1$   
 ID: 110    n: 2



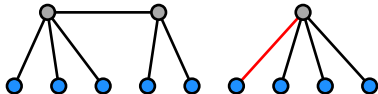
$V_1^n$   
 ID: 84    n: 2



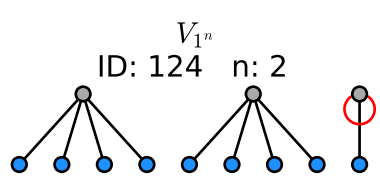
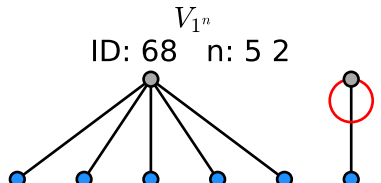
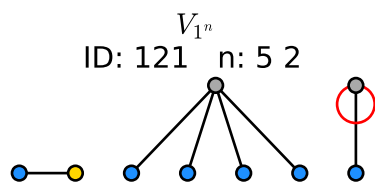
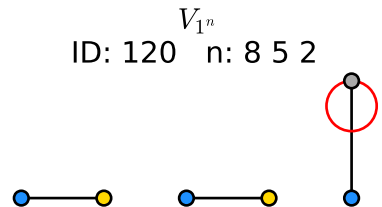
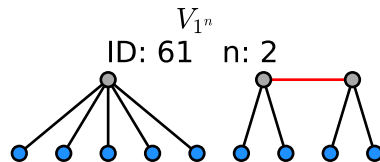
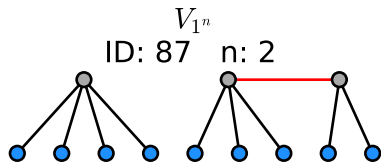
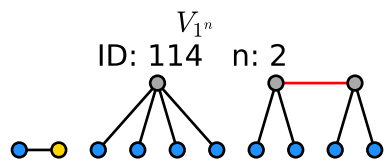
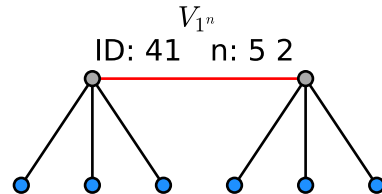
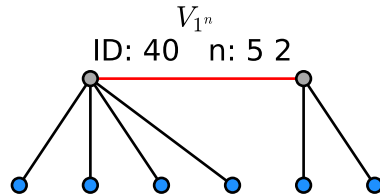
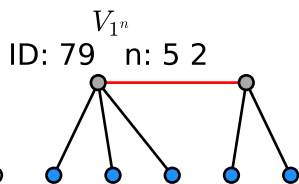
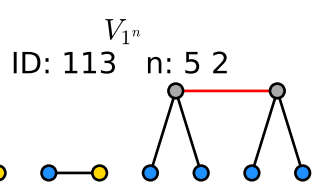
$V_1^n$   
 ID: 98    n: 2



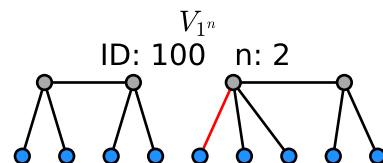
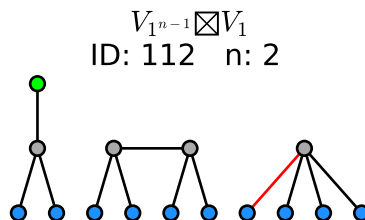
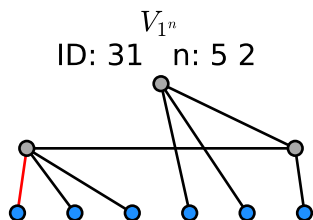
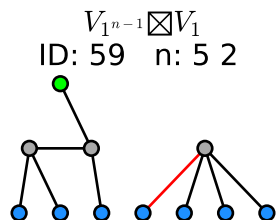
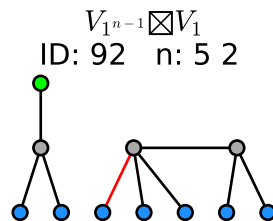
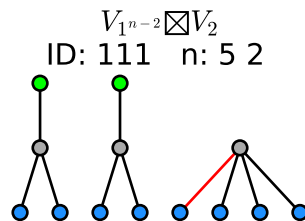
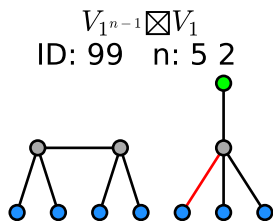
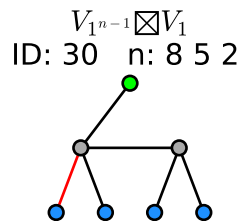
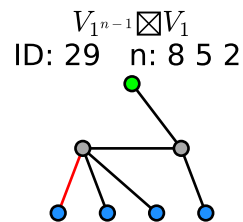
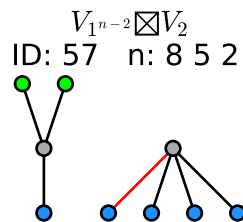
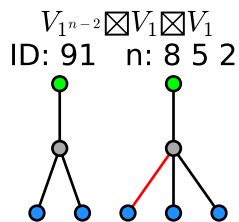
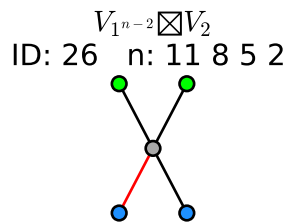
$V_1^n$   
 ID: 58    n: 2



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

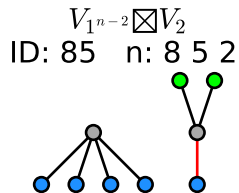
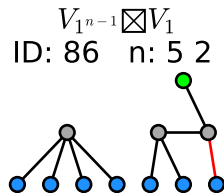
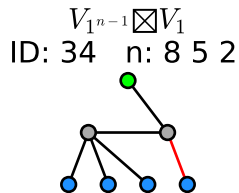
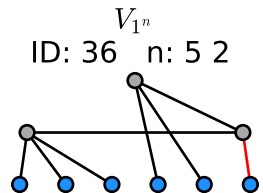
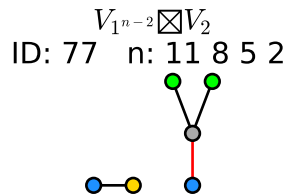
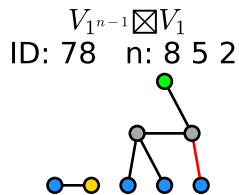
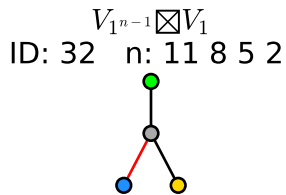
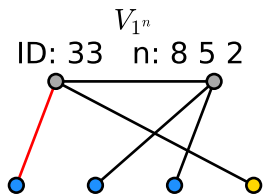


----- edges: 12-n      graphs: 48      -----  
 --- A3 case      graphs: 12      ---

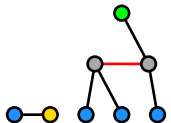


--- A2 case with weight 13 relations

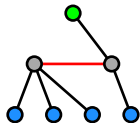
relation groups: 2 ---



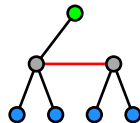
$V_1^{n-1} \boxtimes V_1$   
ID: 80    n: 8 5 2



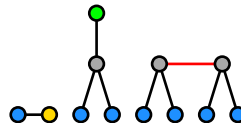
$V_1^{n-1} \boxtimes V_1$   
ID: 43    n: 8 5 2



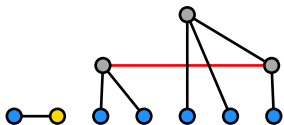
$V_1^{n-1} \boxtimes V_1$   
ID: 44    n: 8 5 2



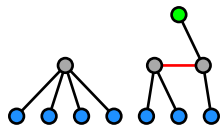
$V_1^{n-1} \boxtimes V_1$   
ID: 115    n: 5 2



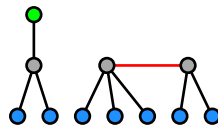
$V_1^n$   
ID: 81    n: 5 2



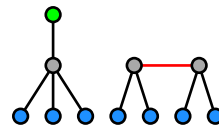
$V_1^{n-1} \boxtimes V_1$   
ID: 88    n: 5 2



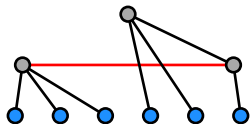
$V_1^{n-1} \boxtimes V_1$   
ID: 95    n: 5 2



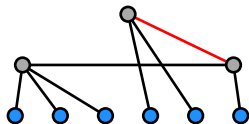
$V_1^{n-1} \boxtimes V_1$   
ID: 63    n: 5 2



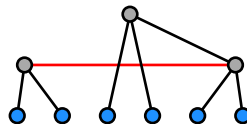
$V_1^n$   
ID: 46    n: 5 2



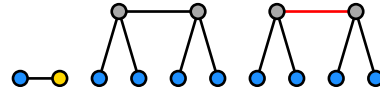
$V_1^n$   
ID: 47    n: 5 2



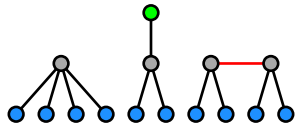
$V_1^n$   
ID: 48    n: 5 2



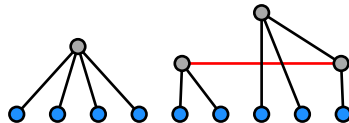
$V_1^n$   
ID: 116    n: 2



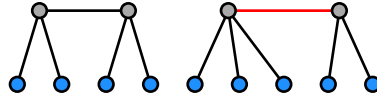
$V_1^{n-1} \boxtimes V_1$   
ID: 117    n: 2



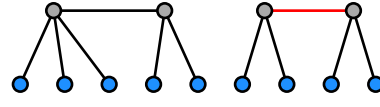
$V_1^n$   
ID: 89    n: 2



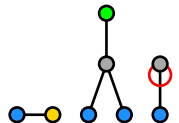
$V_1^n$   
ID: 103    n: 2



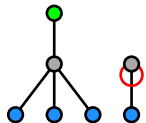
$V_1^n$   
ID: 65    n: 2



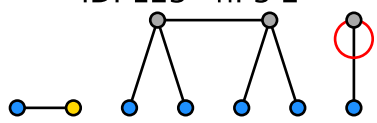
$V_1^{n-1} \boxtimes V_1$   
ID: 122    n: 8 5 2



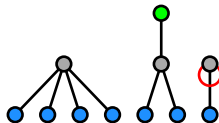
$V_1^{n-1} \boxtimes V_1$   
ID: 70    n: 8 5 2



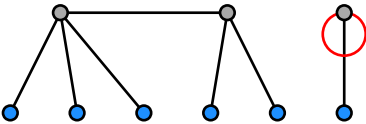
$V_1^n$   
ID: 123    n: 5 2



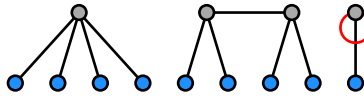
$V_1^{n-1} \boxtimes V_1$   
ID: 125    n: 5 2



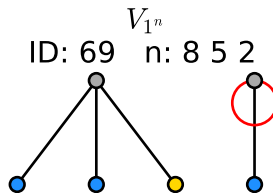
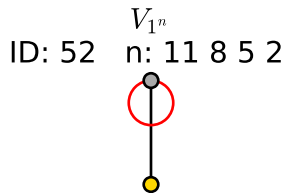
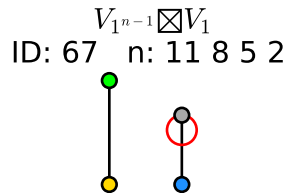
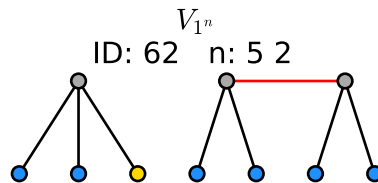
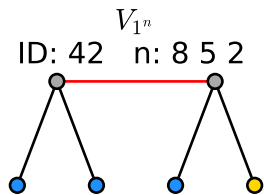
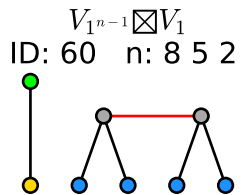
$V_1^n$   
ID: 72    n: 5 2



$V_1^n$   
ID: 126    n: 2

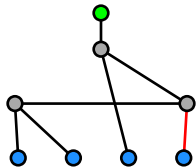


--- B,Birr cases with weight 11 relations      relation groups: 2 ---

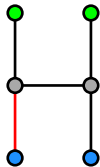


----- edges: 13-n      graphs: 24      -----  
 --- A2 case with weight 13 relations      relation groups: 2 ---

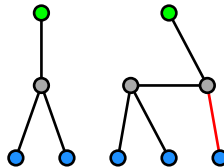
$V_{1^{n-1}} \boxtimes V_1$   
 ID: 38    n: 8 5 2



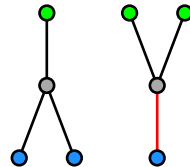
$V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$   
 ID: 35    n: 11 8 5 2



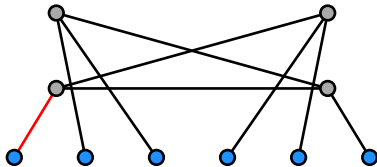
$V_{1^{n-2}} \boxtimes V_1 \boxtimes V_1$   
 ID: 94    n: 8 5 2



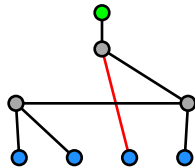
$V_{1^{n-3}} \boxtimes V_1 \boxtimes V_2$   
 ID: 93    n: 11 8 5



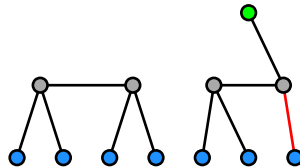
$V_1^n$   
 ID: 39    n: 5 2



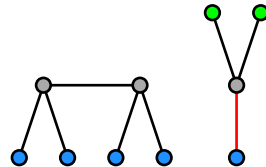
$V_{1^{n-1}} \boxtimes V_1$   
 ID: 37    n: 8 5 2



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



$V_{1^{n-2}} \boxtimes V_2$   
 ID: 101    n: 8 5 2





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

