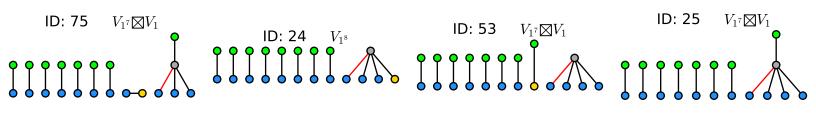
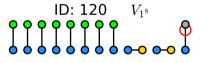
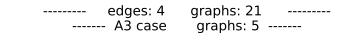
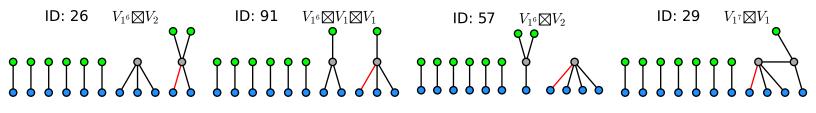
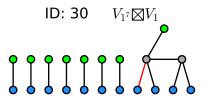
------ g,n: 4,8 graphs: 40 ------- Euler Characteristic (without resolving relations): $-2V_1{}^s-4V_1{}^\intercal\boxtimes V_1+1V_1{}^s\boxtimes V_2+2V_1{}^s\boxtimes V_1\boxtimes V_1+1V_1{}^s\boxtimes V_1\boxtimes V_2 ------- \\ ------- edges: 3 graphs: 5 -------- \\ ------- A3 case graphs: 4 -------$

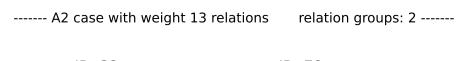


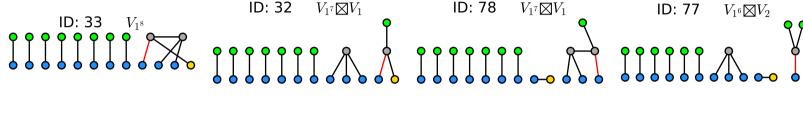


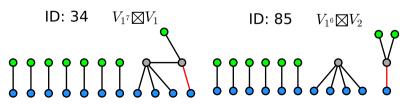


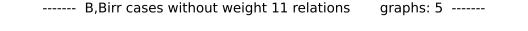


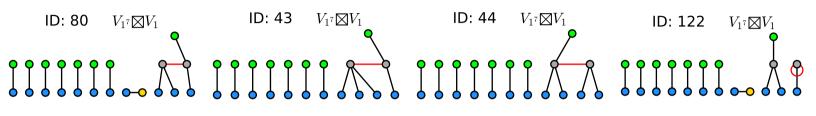


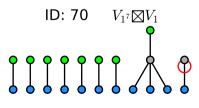


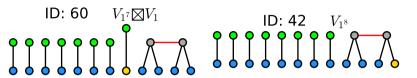


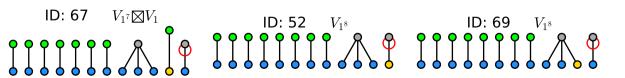












------ edges: 5 graphs: 14 ----------- A2 case with weight 13 relations relation groups: 2 ------

