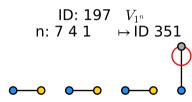
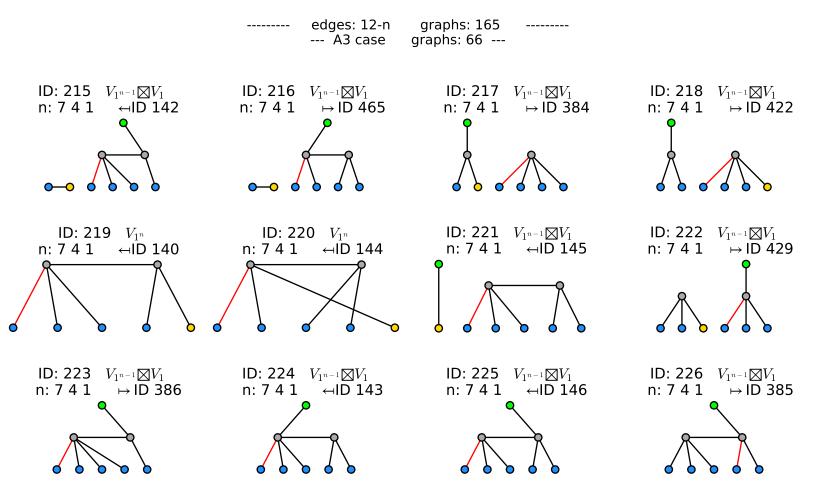
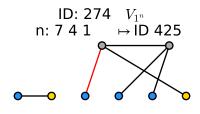
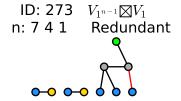


--- B,Birr cases without weight 11 relations graphs: 19 ---

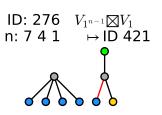


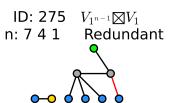


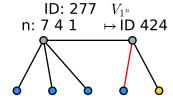


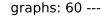


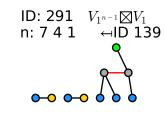
ID: 278 $V_{1^{n-1}} \boxtimes V_1$ n: 7 4 1 → ID 430

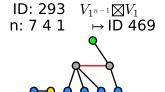


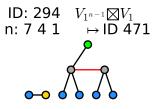


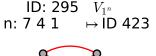


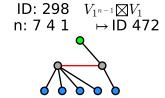


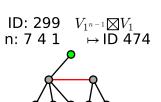


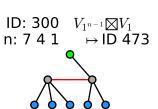


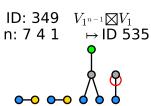


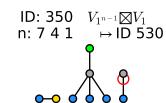


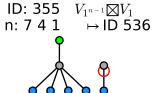


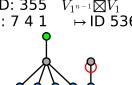


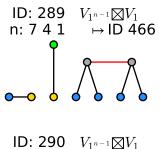


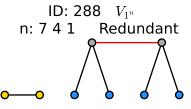


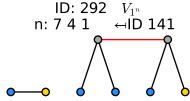


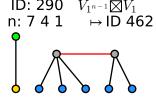


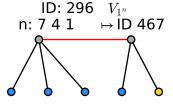


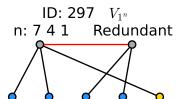


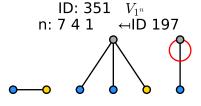


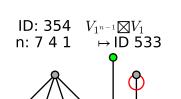


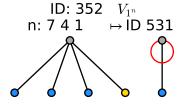


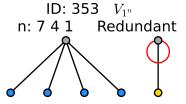


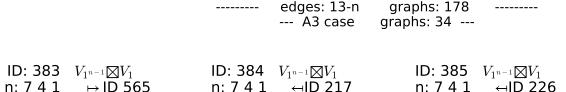


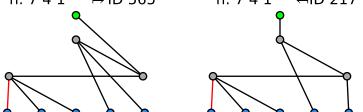


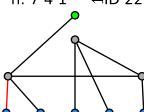


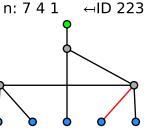




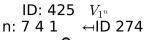


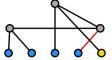






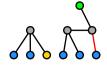
ID: 386 $V_{1^{n-1}} \boxtimes V_1$





ID: 426
$$V_{1^{n-1}} \boxtimes V_1$$

n: 7 4 1 Redundant



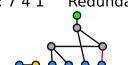
ID: 429
$$V_{1^{n-1}} \boxtimes V_1$$

n: 7 4 1 \longleftrightarrow ID 222



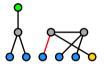
ID: 420
$$V_{1^{n-1}} \boxtimes V_1$$

n: 7 4 1 Redundant

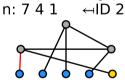


ID: 422
$$V_{1^{n-1}} \boxtimes V_1$$

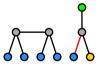
n: 7 4 1 \leftarrow ID 218



ID: 424 V_{1^n} ID: 47 4 1 \leftrightarrow ID 277 n: 7



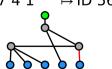
ID: 421 $V_{1^{n-1}} \boxtimes V_1$ n: 7 4 1 \longleftrightarrow ID 276



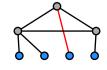
ID: 419 $V_{1^{n-1}} \boxtimes V_1$ n: 7 4 1 Redundant



ID: 428 $V_{1^{n-1}} \boxtimes V_1$ n: 7 4 1 \mapsto ID 566



ID: 423 V_{1^n} n: 7 4 1 ←ID 295



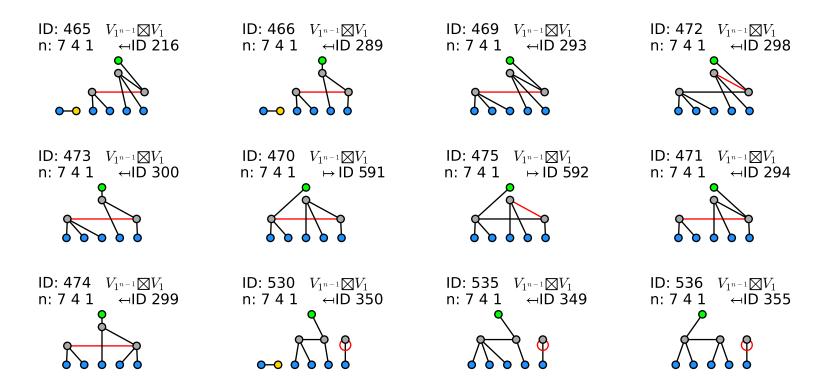
ID: 427 $V_{1^{n-1}} \boxtimes V_1$ n: 7 4 1 Redundant

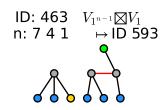


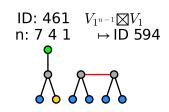
ID: 430
$$V_{1^{n-1}} \boxtimes V_1$$

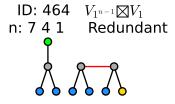
n: 7 4 1 \leftarrow ID 278

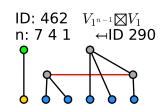


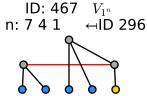


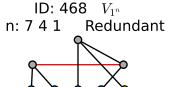


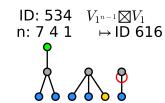


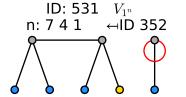


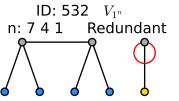


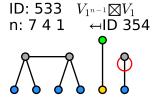






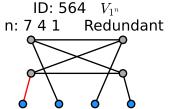


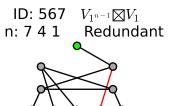




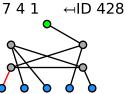
edges: 14-n graphs: 73 --- A2 case with weight 13 relations relation groups: 6 ---

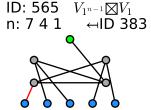
ID: 563 V_{1^n} n: 7 4 1

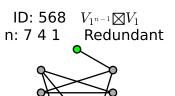




ID: 566 $V_{1^{n-1}} \boxtimes V_1$ n: 7 4 1

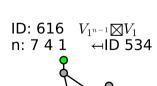






ID: $591 \quad V_{1^{n-1}} \boxtimes V_1$ n: $7 4 1 \quad \leftarrow \text{ID } 470$

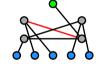




ID: 592 $V_{1^{n-1}} \boxtimes V_1$ n: 7 4 1 \longleftrightarrow ID 475



ID: 593 $V_{1^{n-1}} \boxtimes V_1$ n: 7 4 1 \longleftrightarrow ID 463



ID: 594 $V_{1^{n-1}} \boxtimes V_1$ n: 7 4 1 \longleftrightarrow ID 461

