

Coxeter diagrams for hyperbolic Coxeter 4-polytopes with 7 facets.

1. Coxeter diagrams for P_1 (Figure 1).

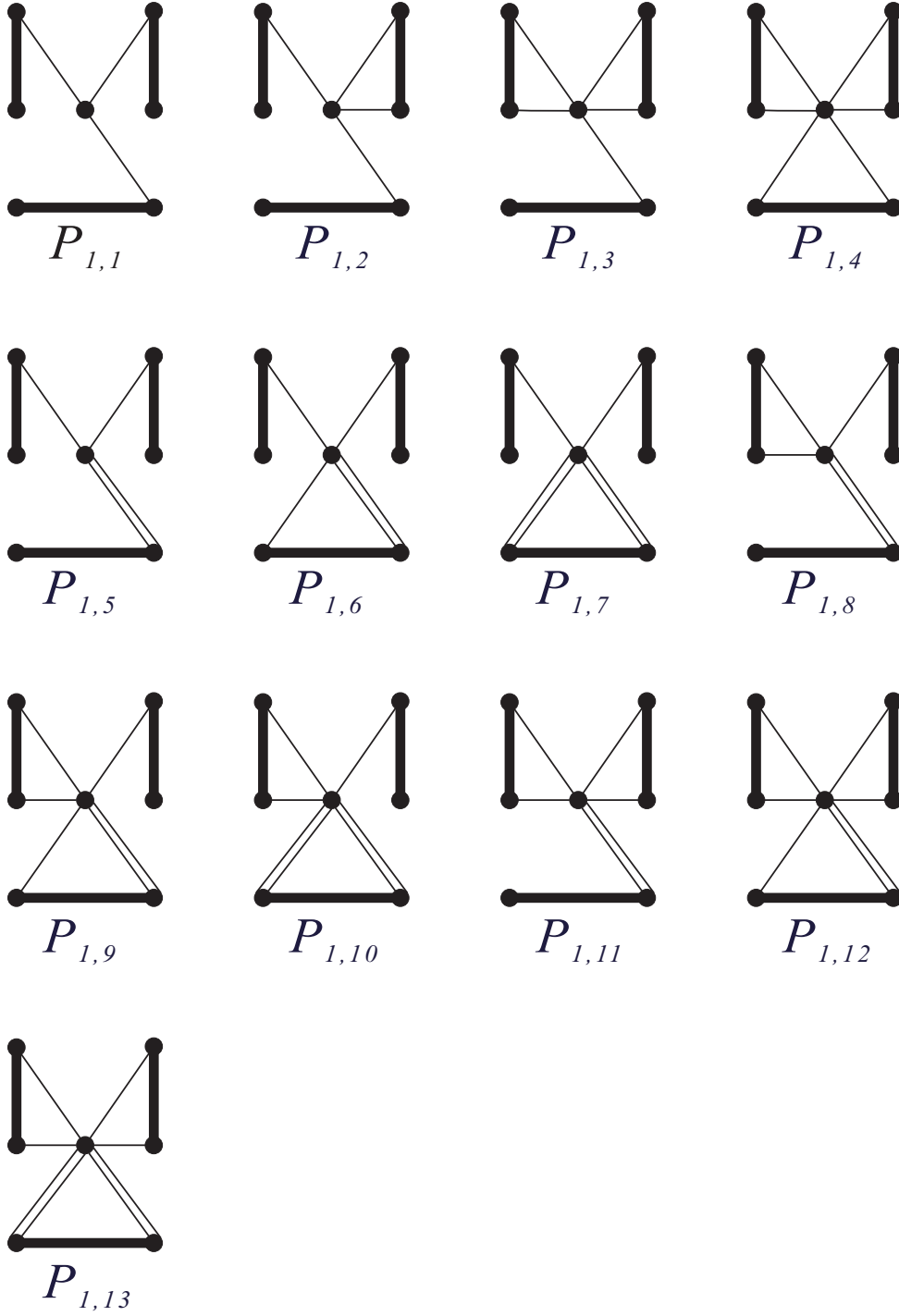


Figure 1. The 13 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_1 .

2. Coxeter diagrams for P_2 , P_3 , P_5 , and P_7 (Figure 2).

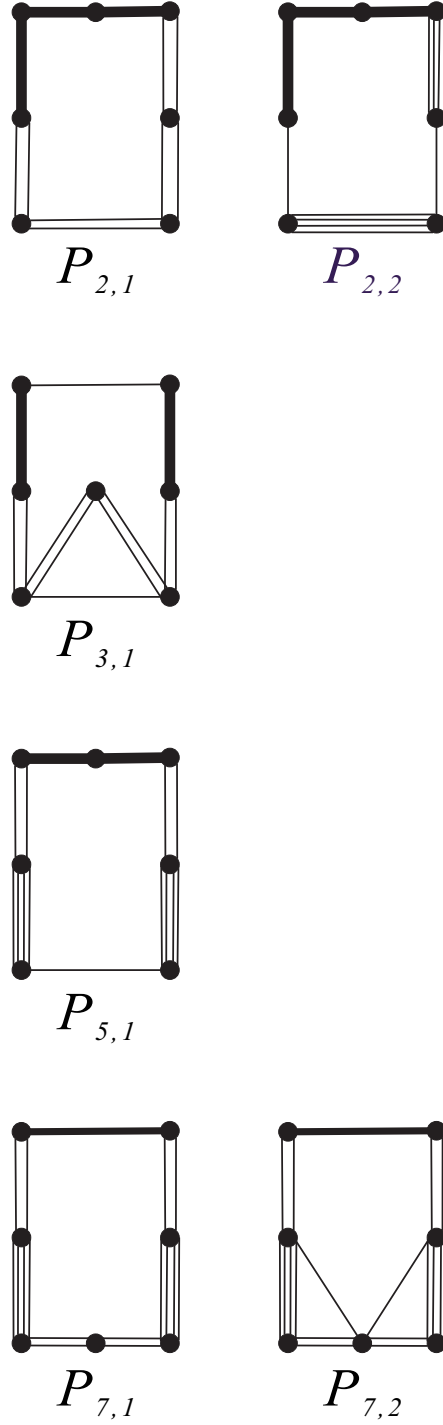


Figure 2. The 2, 1, 1, 2 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytopes P_2 , P_3 , P_5 , and P_7 , respectively.

3. Coxeter diagrams for P_4 (Figure 3).

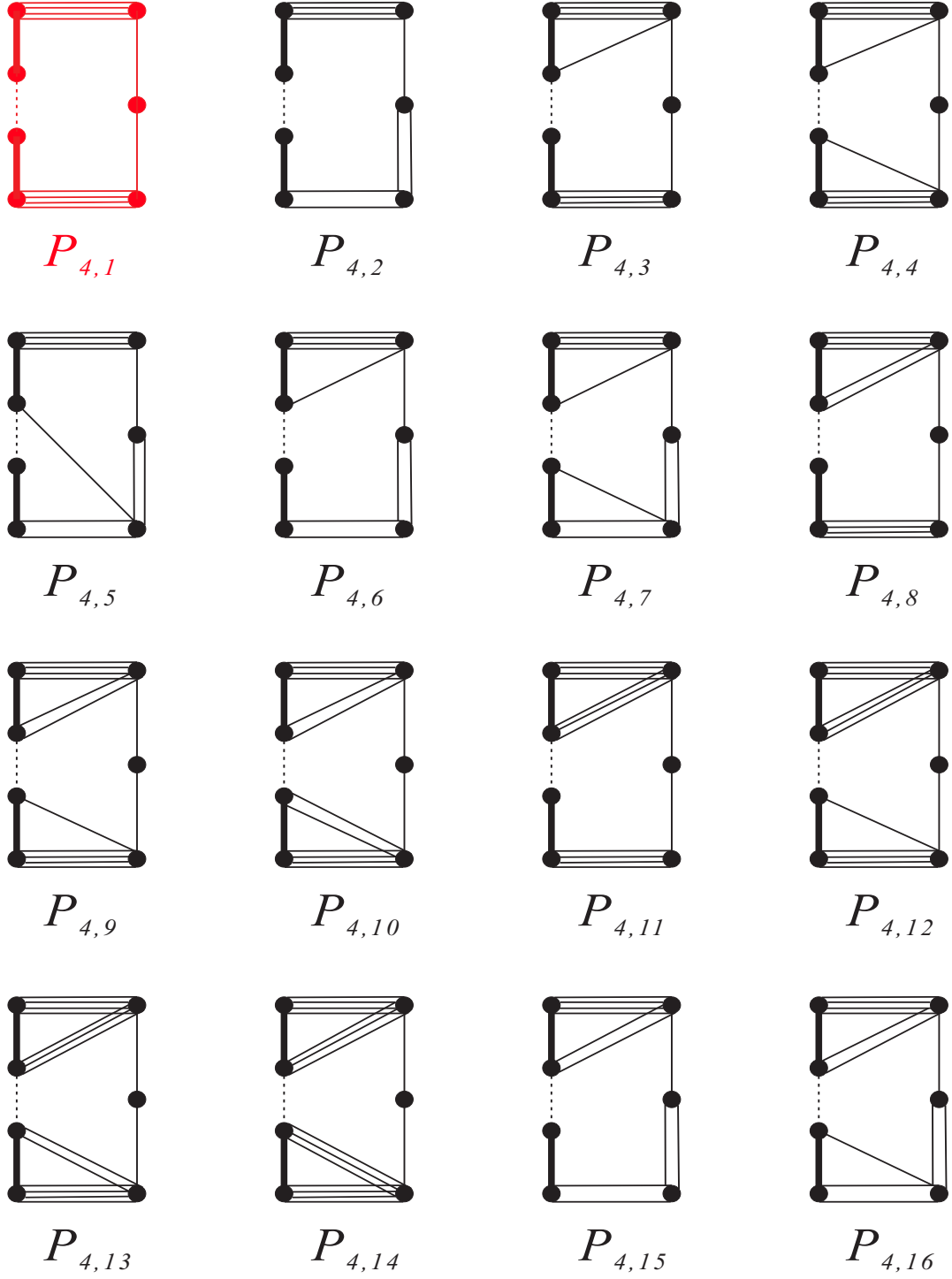


Figure 3. The 16 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_4 .

4. Coxeter diagrams for P_6 (Figure 4–6).

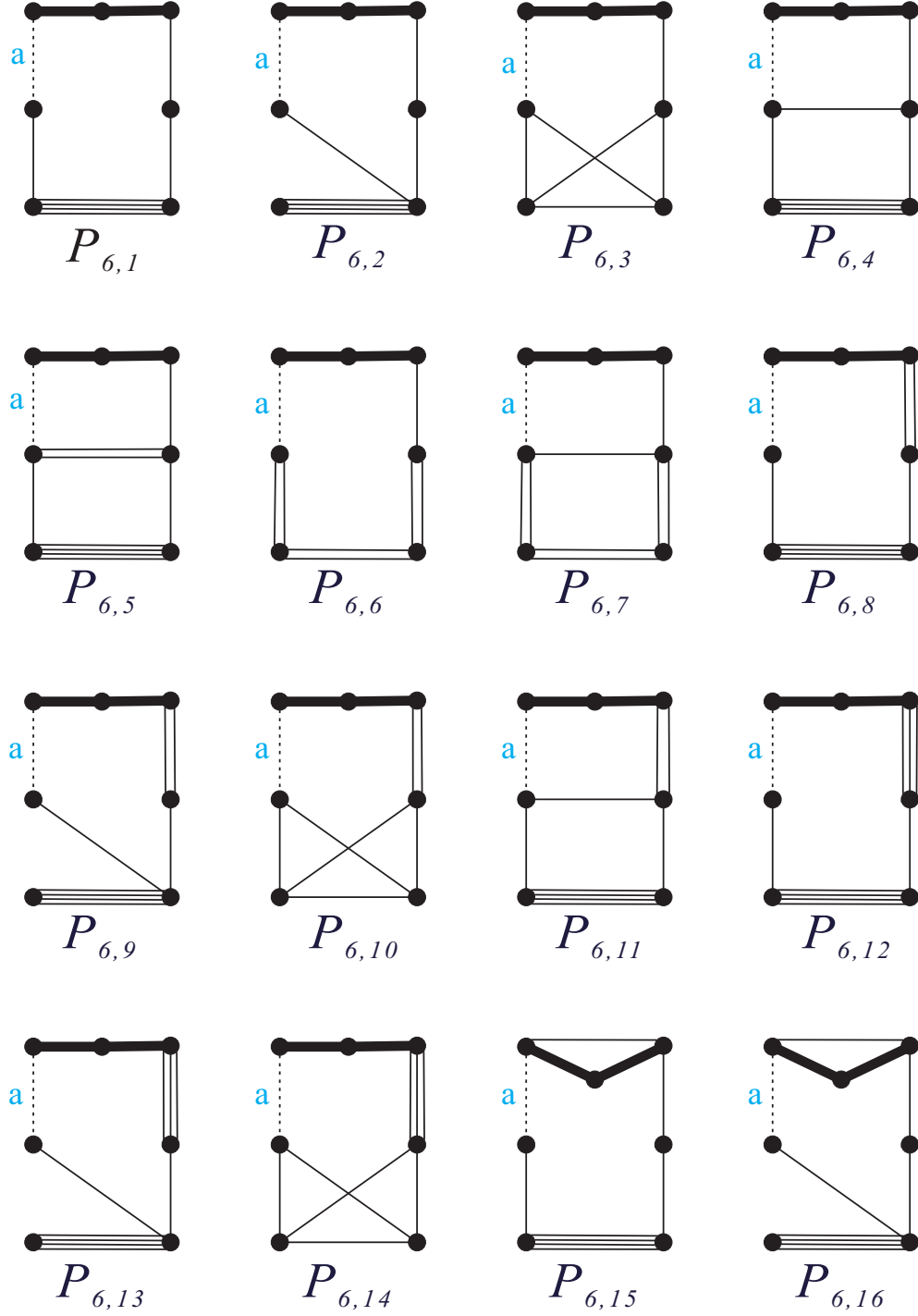


Figure 4. The 37 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_6 (part 1).

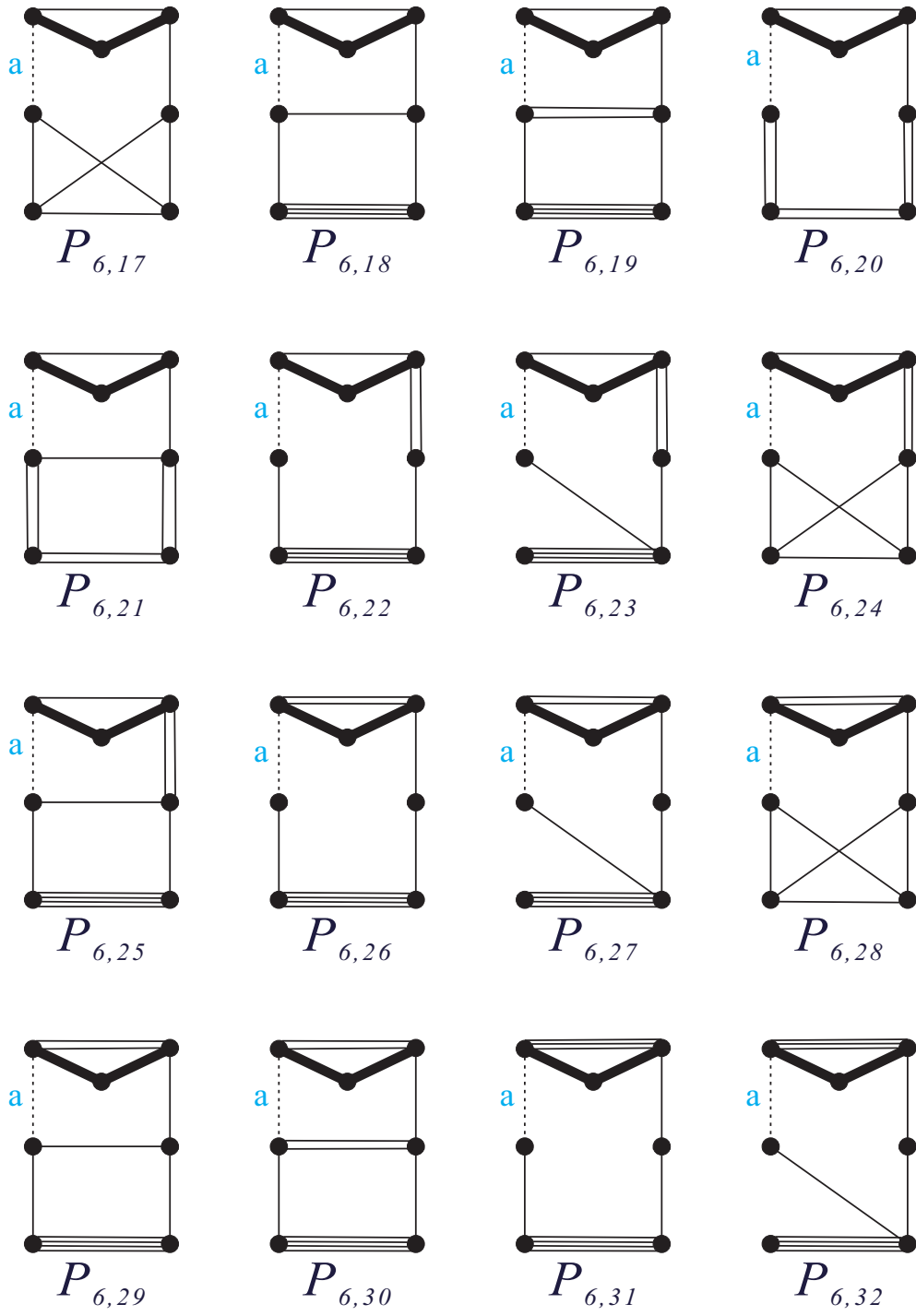


Figure 5. The 37 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_6 (part 2).

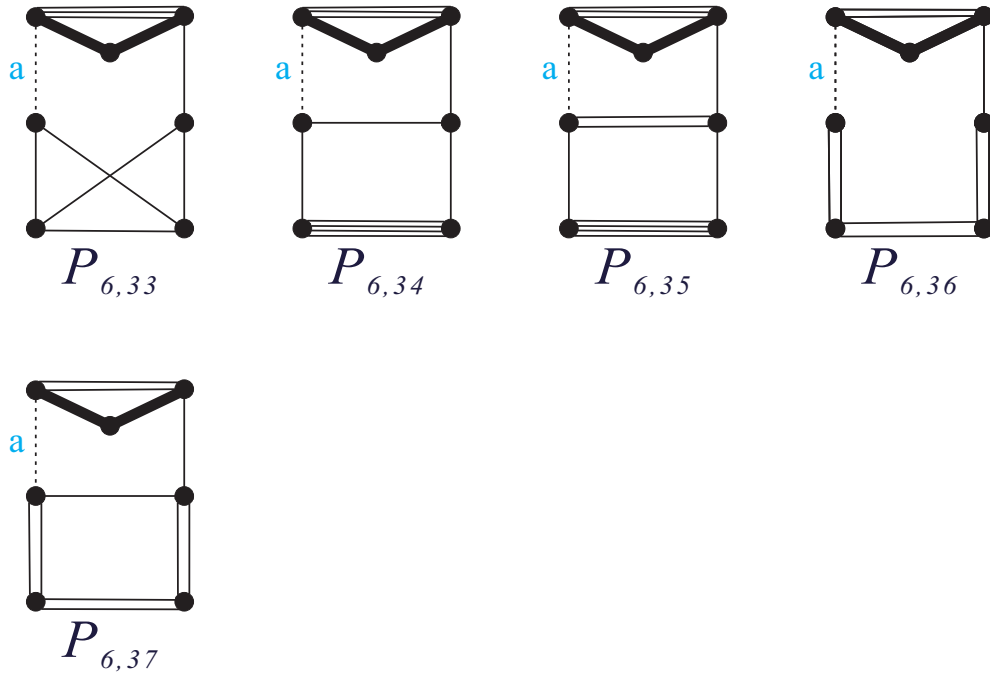


Figure 6. The 37 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_6 (part 3).

6. Coxeter diagrams for P_8 (Figure 7).

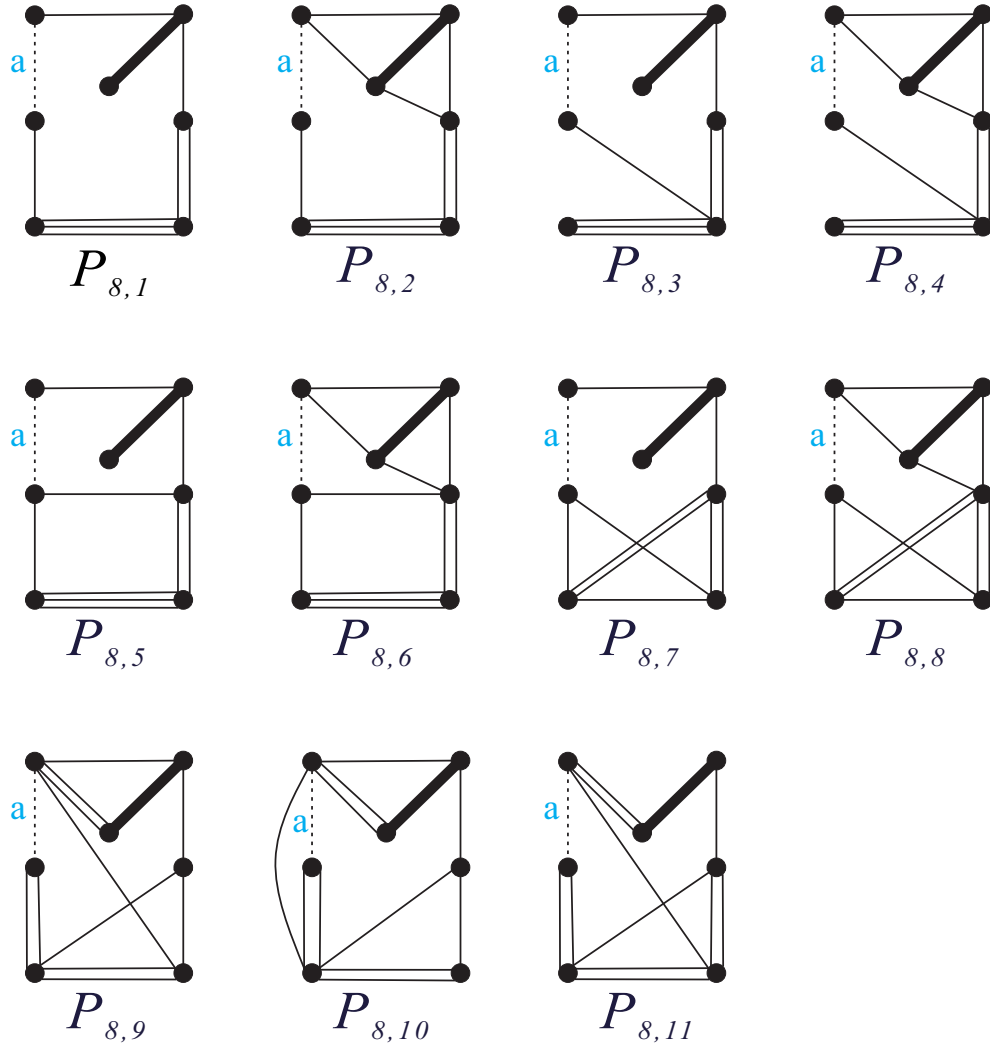


Figure 7. There are 11 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_8 .

7. Coxeter diagrams for P_9 (Figure 8–16).

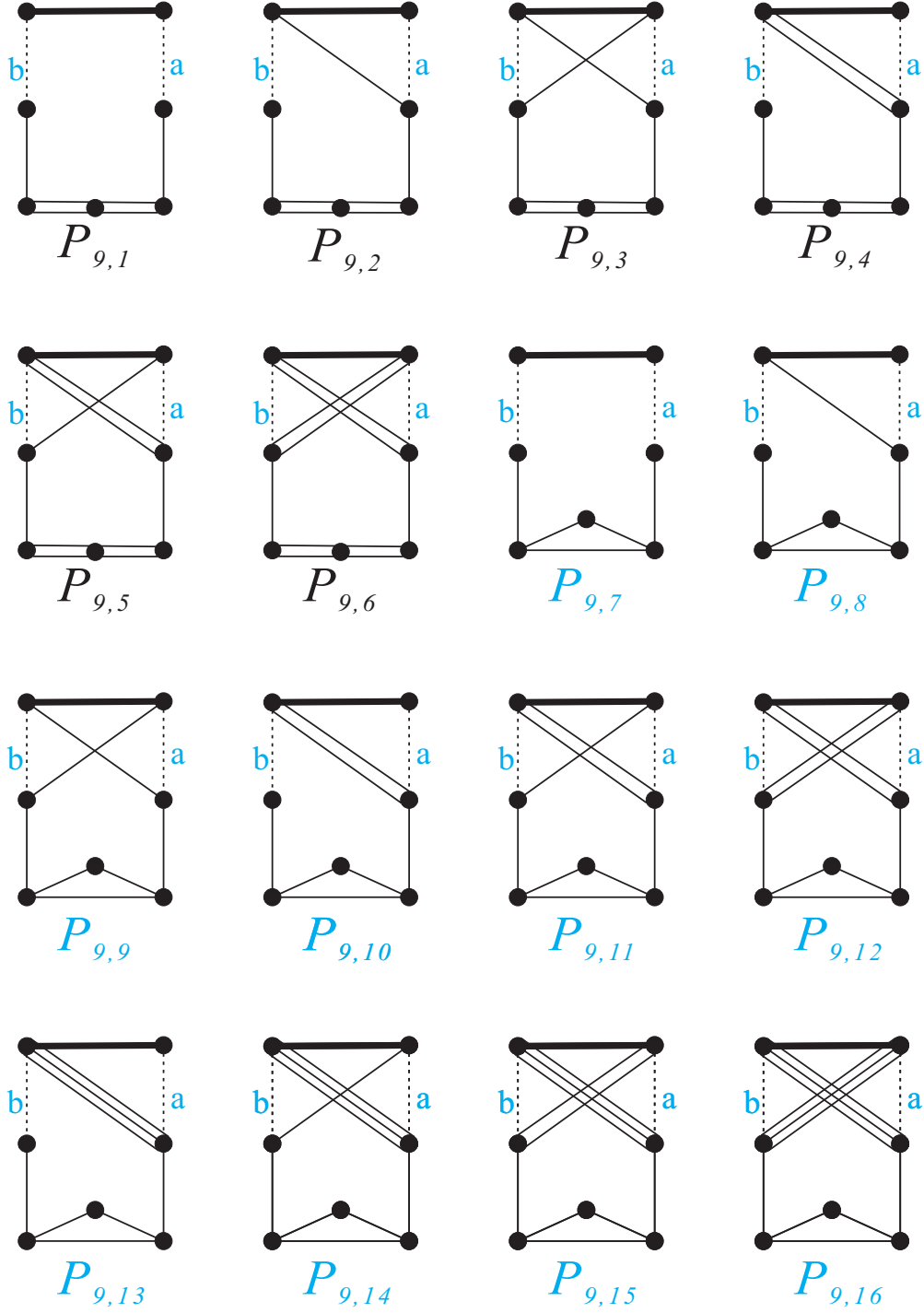


Figure 8. The 134 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_9 (part 1).

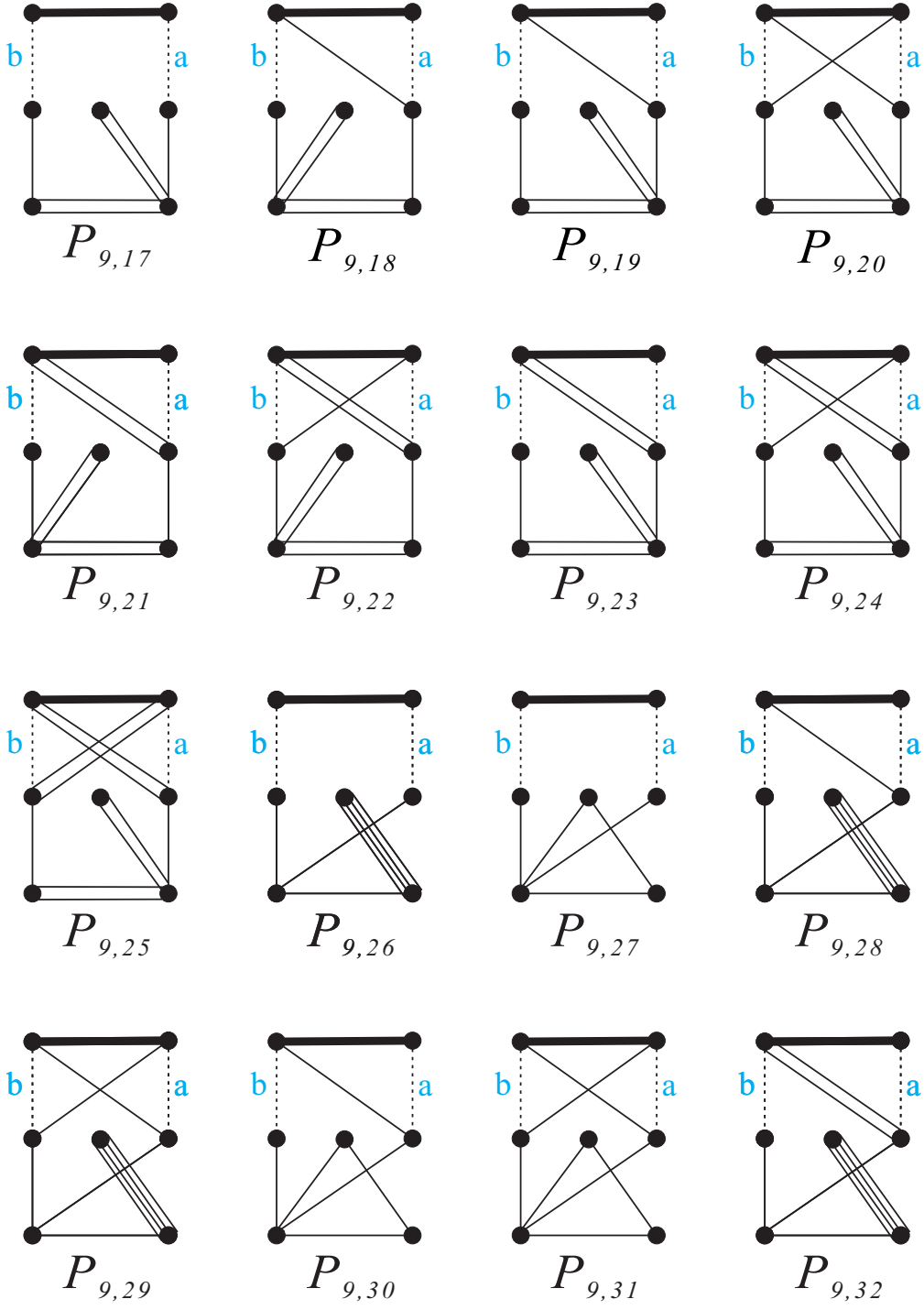


Figure 9. The 134 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_9 (part 2).

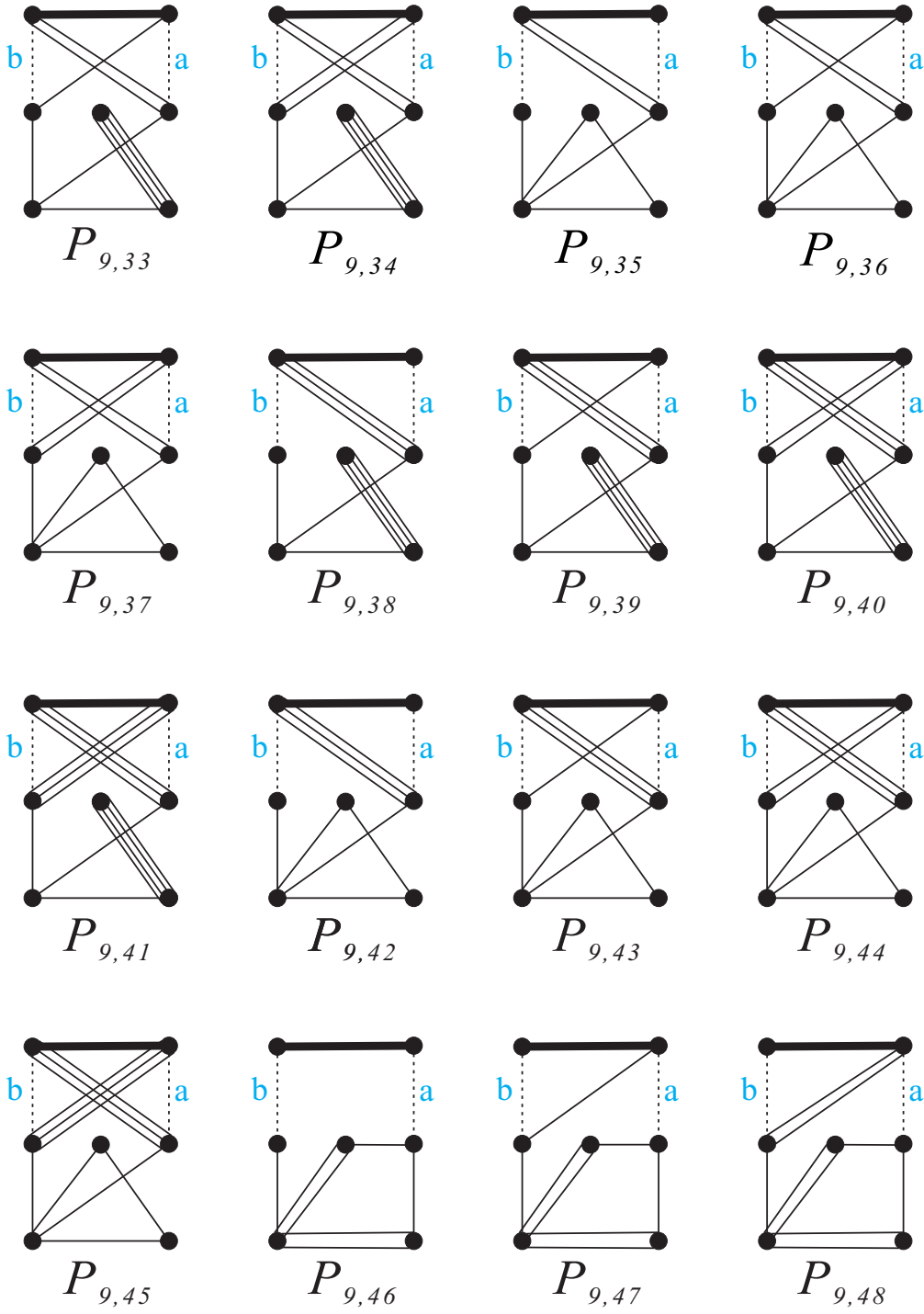


Figure 10. The 134 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_9 (part 3).

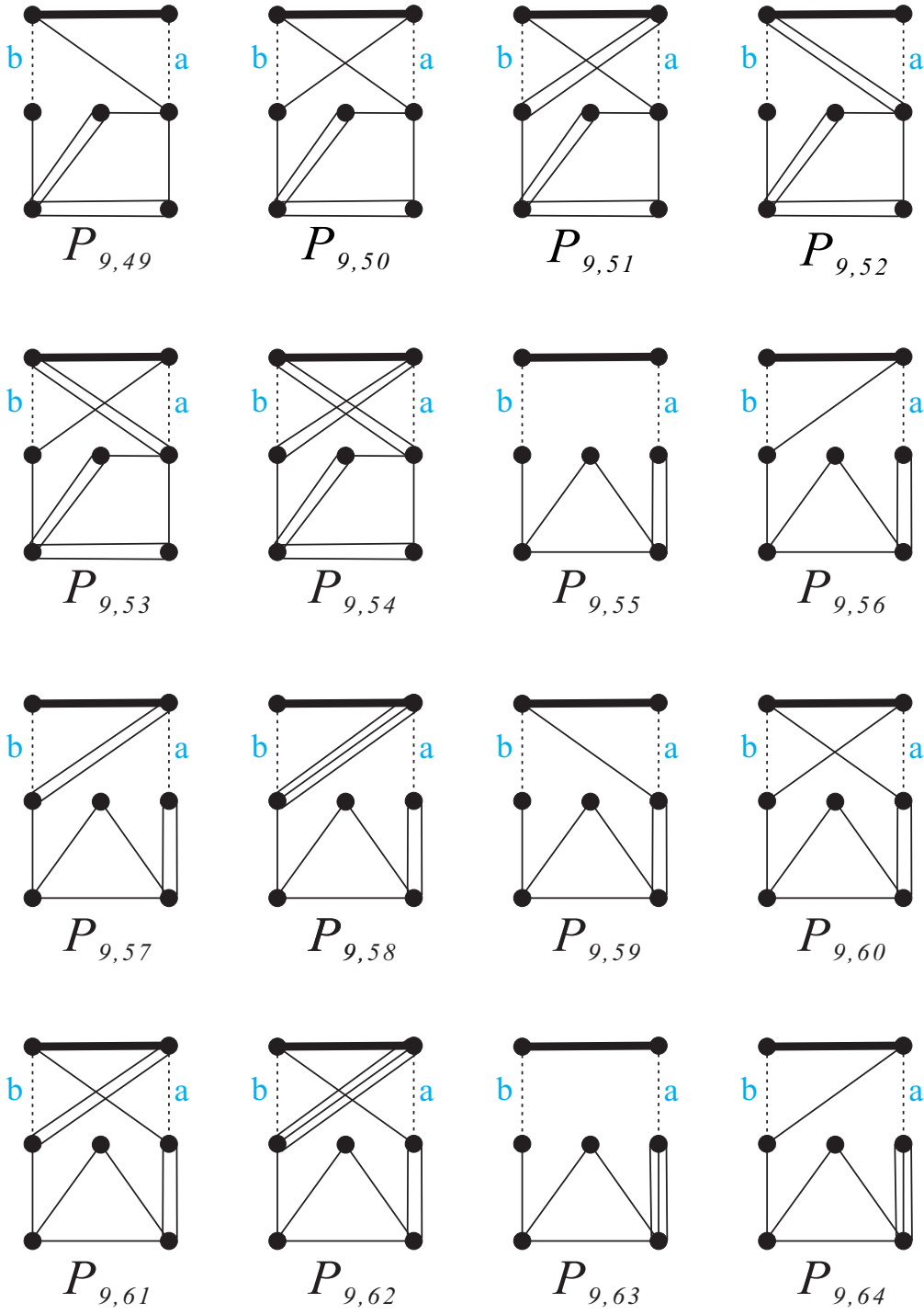


Figure 11. The 134 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_9 (part 4).

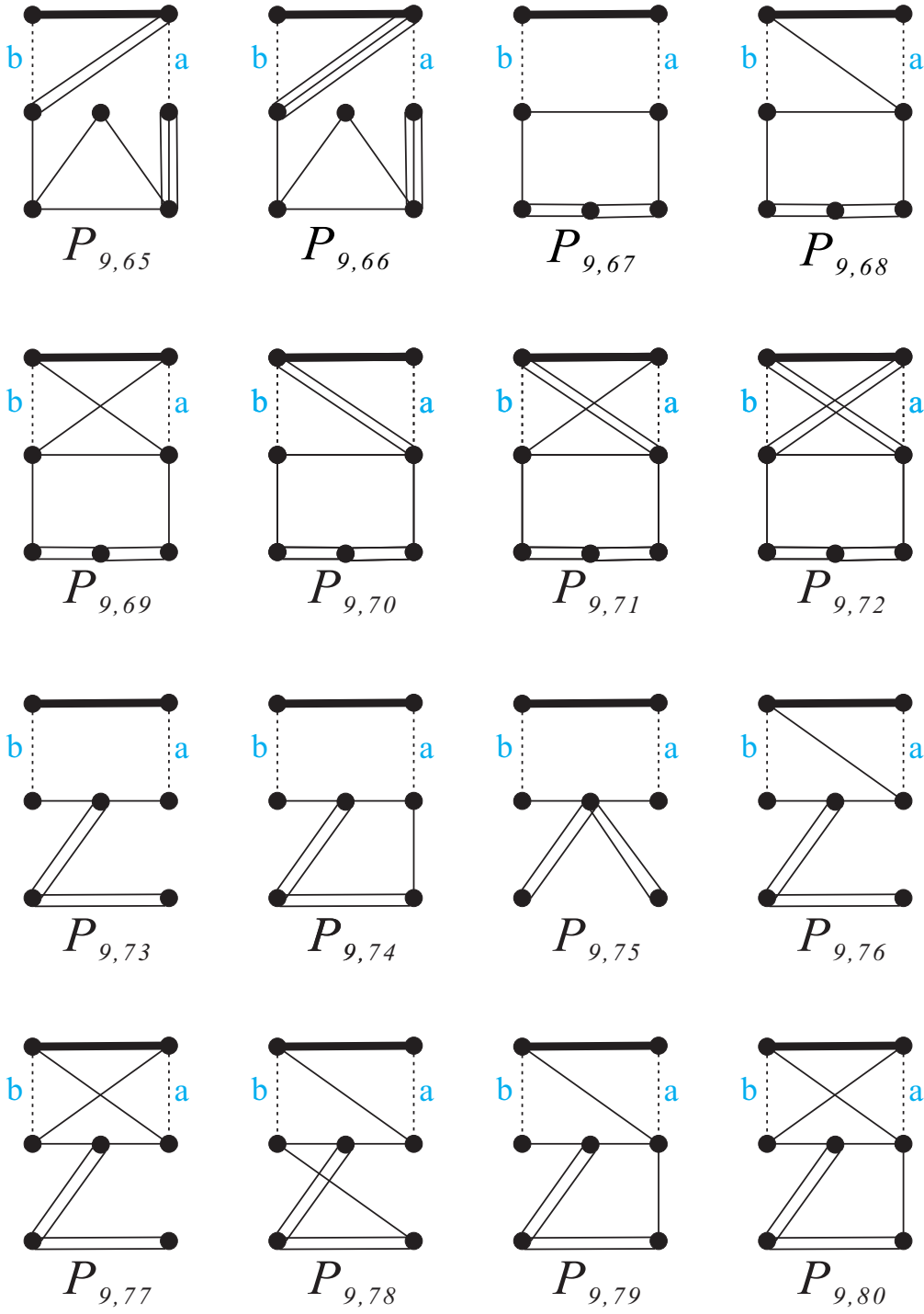


Figure 12. The 134 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_9 (part 5).

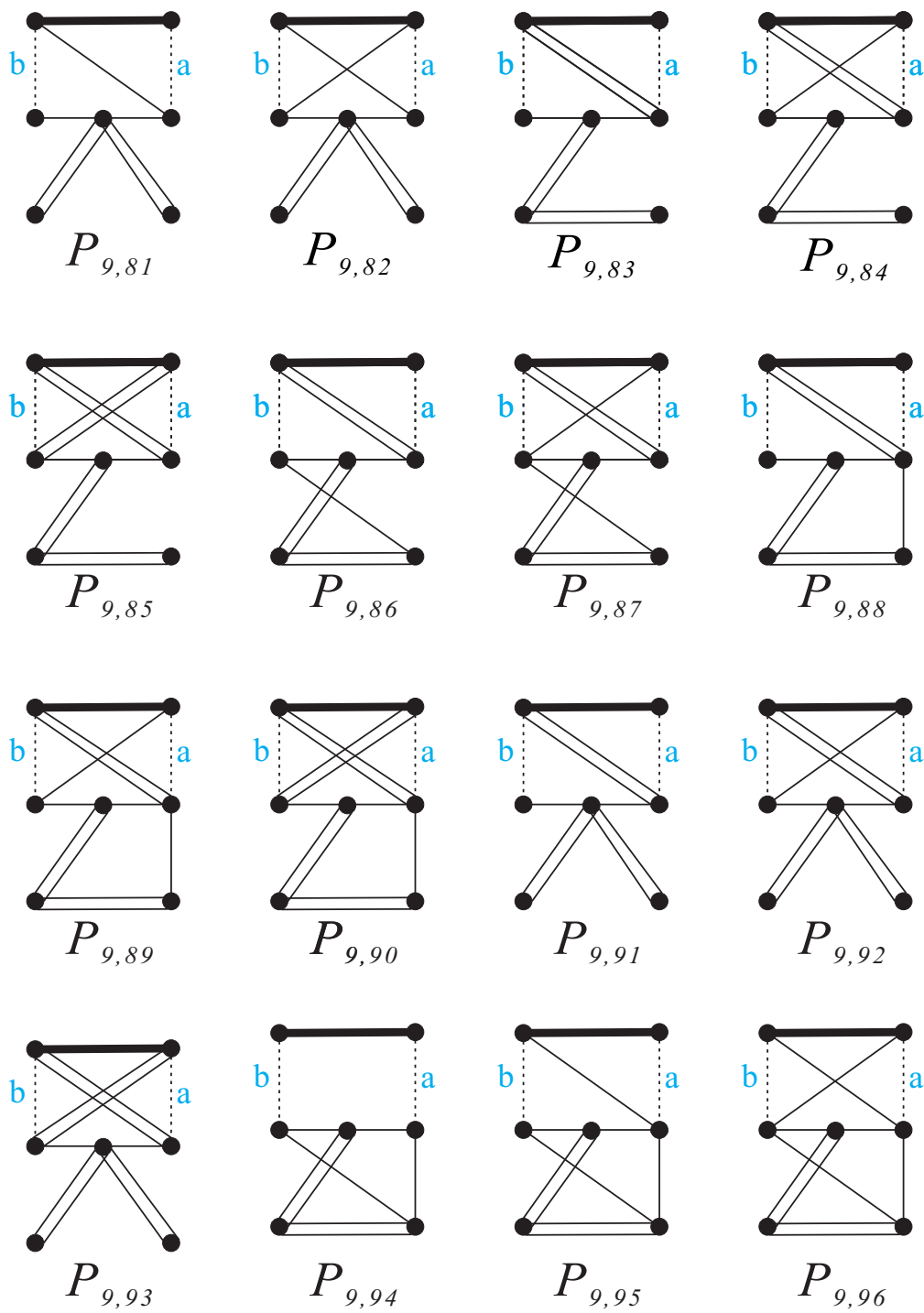


Figure 13. The 134 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_9 (part 6).

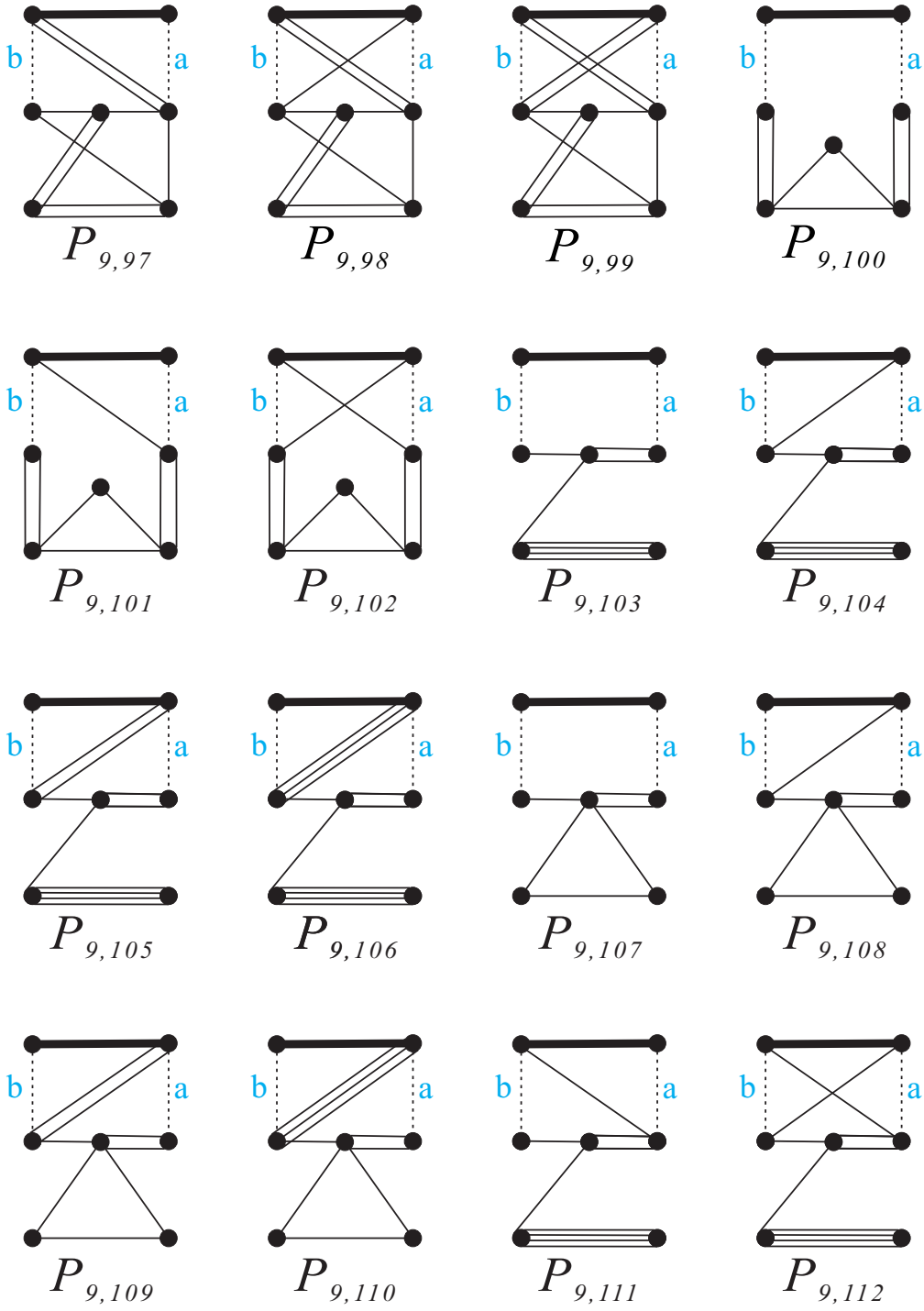


Figure 14. The 134 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_9 (part 7).

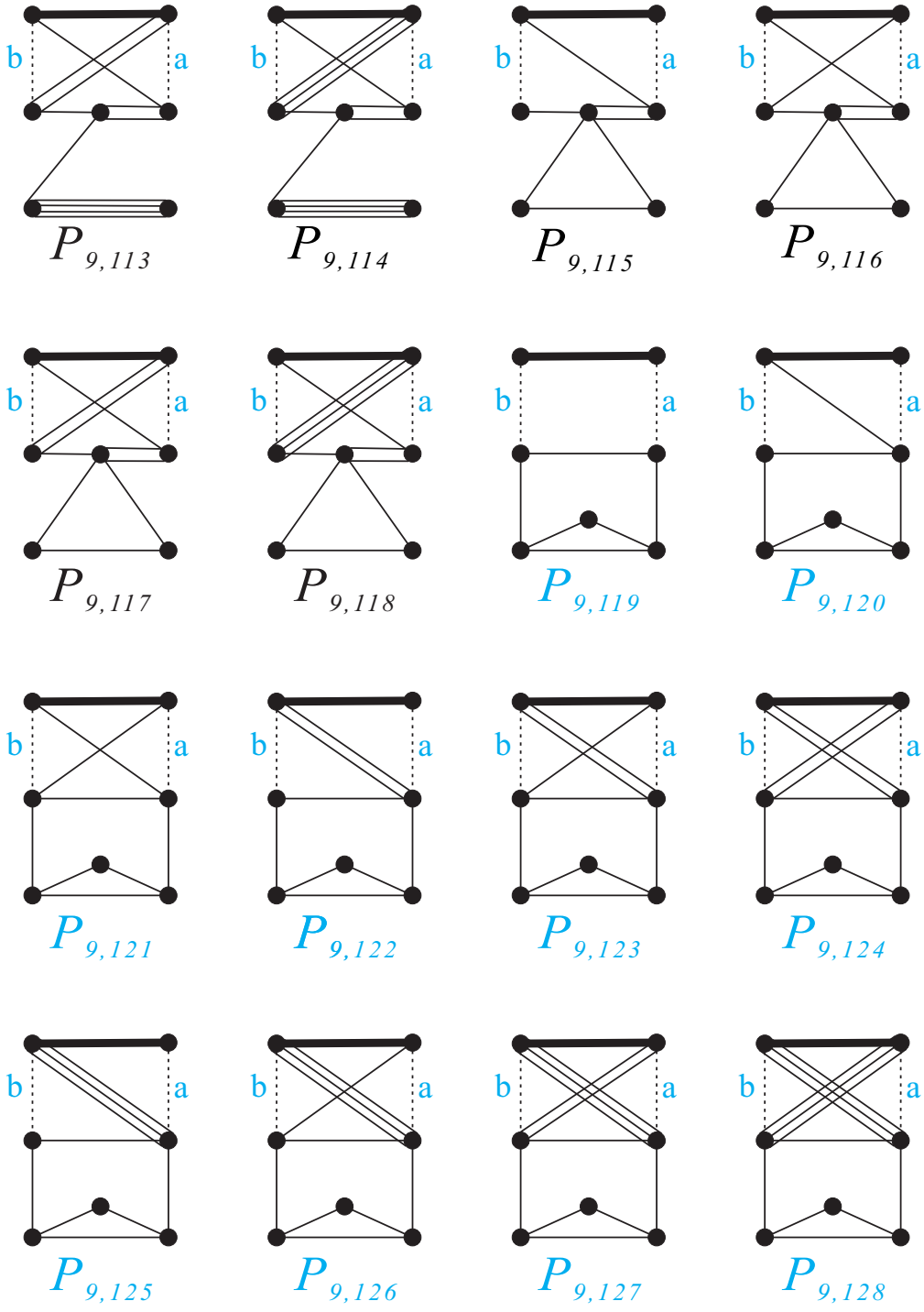


Figure 15. The 134 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_9 (part 8).

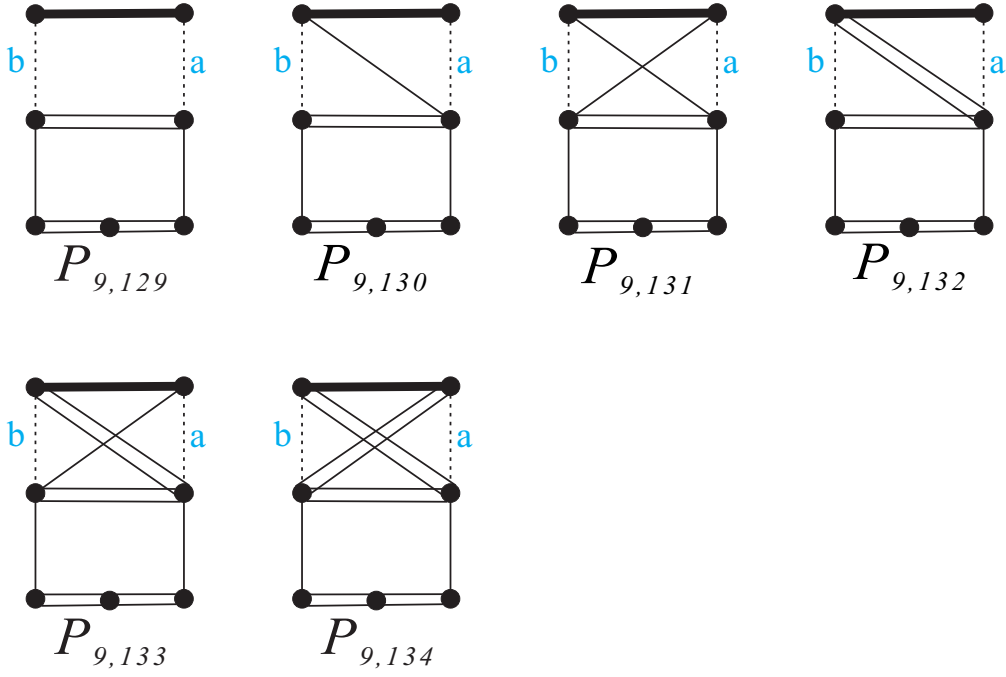


Figure 16. The 134 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_9 (part 9).

8. Coxeter diagrams for P_{10} (Figure 17).

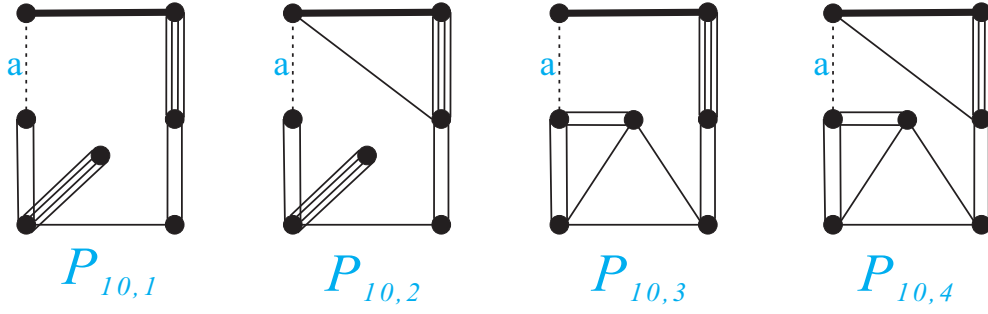


Figure 17. The 4 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_{10} .

9. Coxeter diagrams for P_{11} (Figure 18).

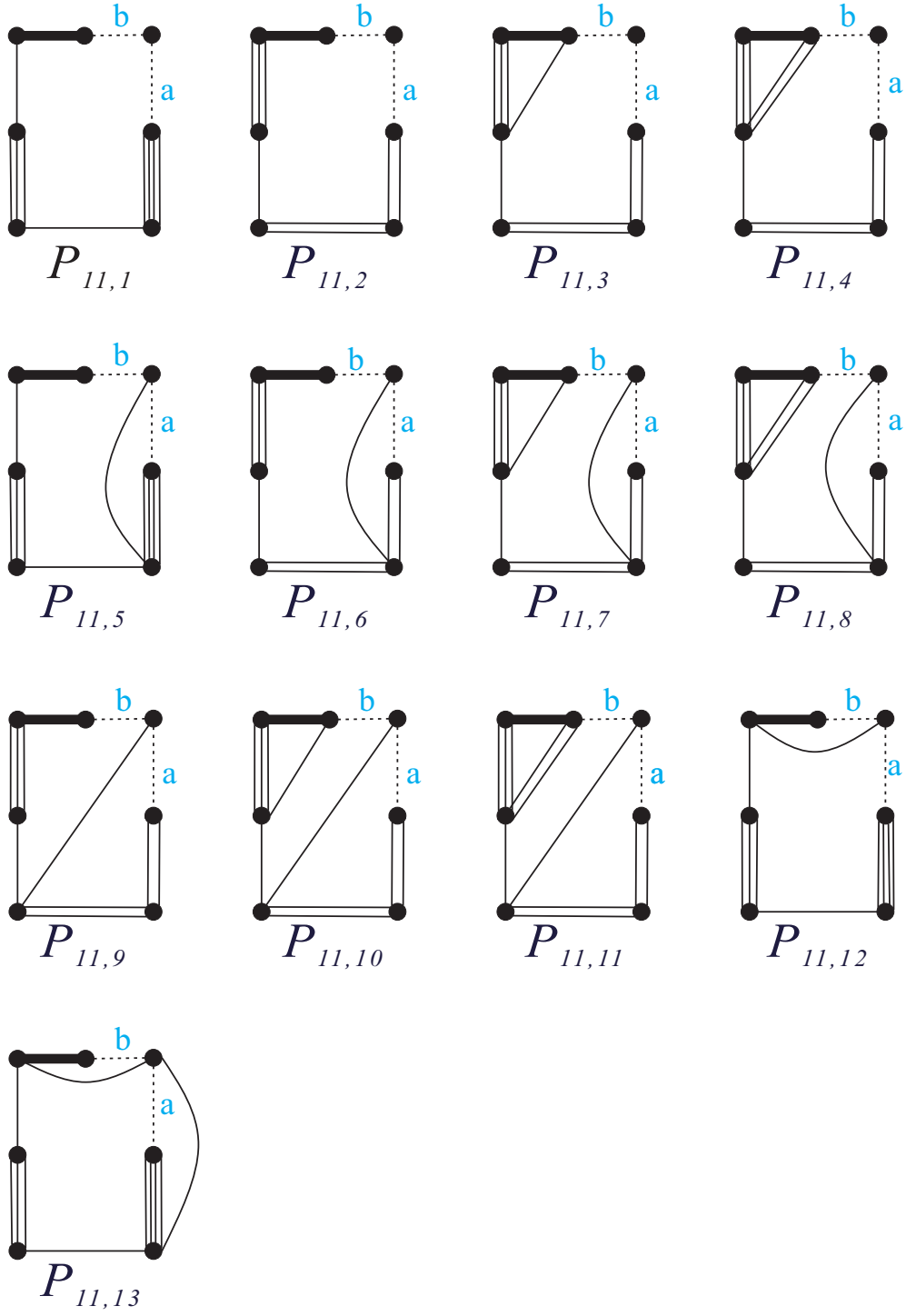


Figure 18. The 13 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_{11} .

10. Coxeter diagrams for P_{13} (Figure 19).

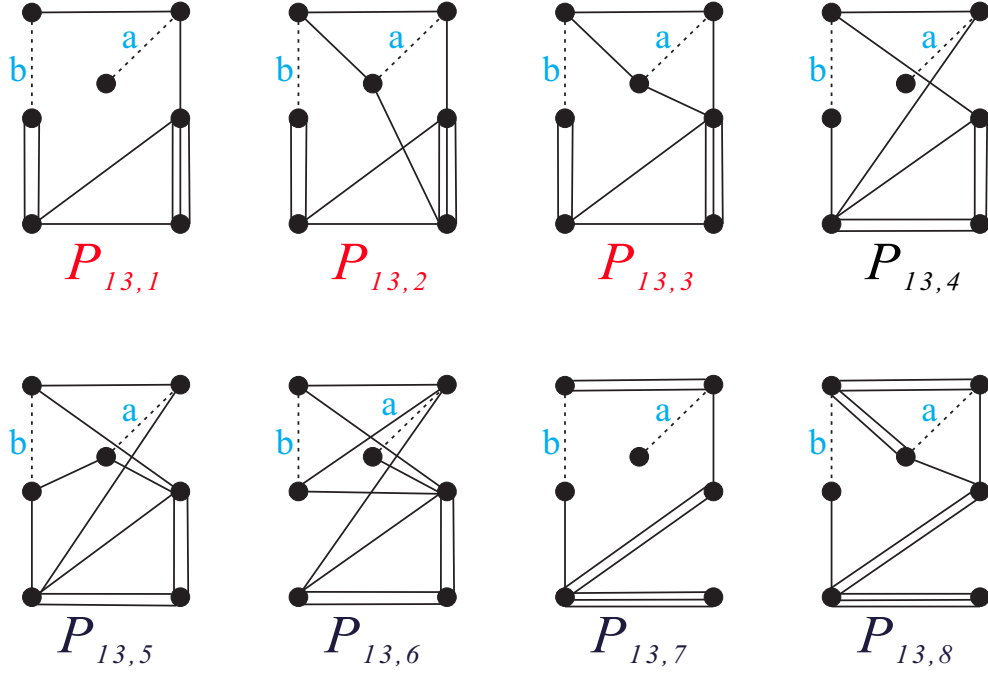


Figure 19. The 8 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_{13} .

11. Coxeter diagrams for P_{14} (Figure 20).

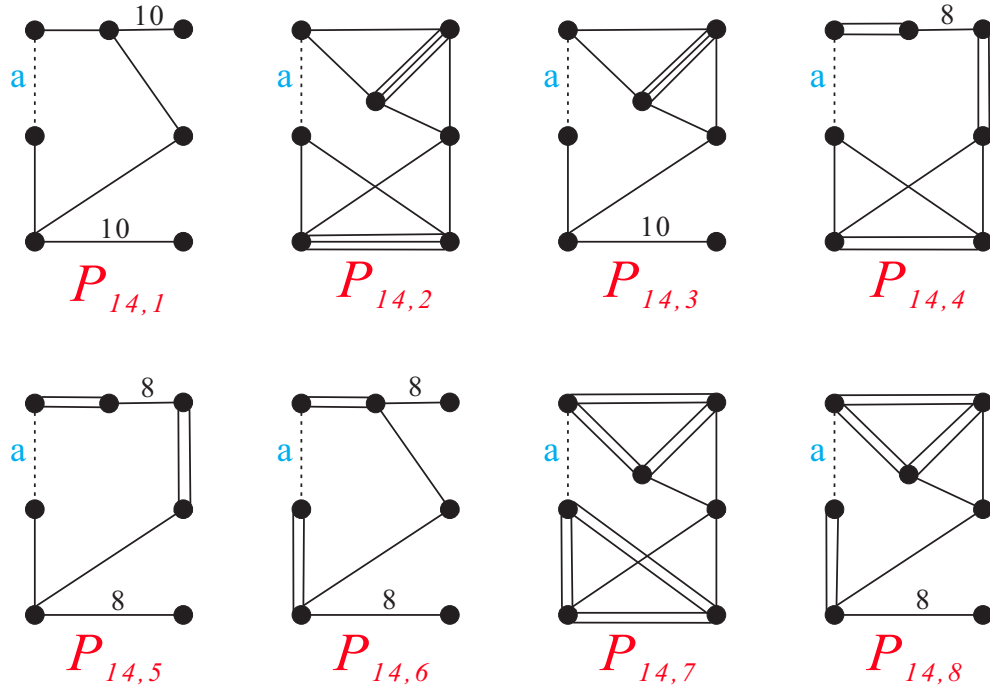


Figure 20. The 8 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_{14} .

12. Coxeter diagrams for P_{16} (Figure 21–26).

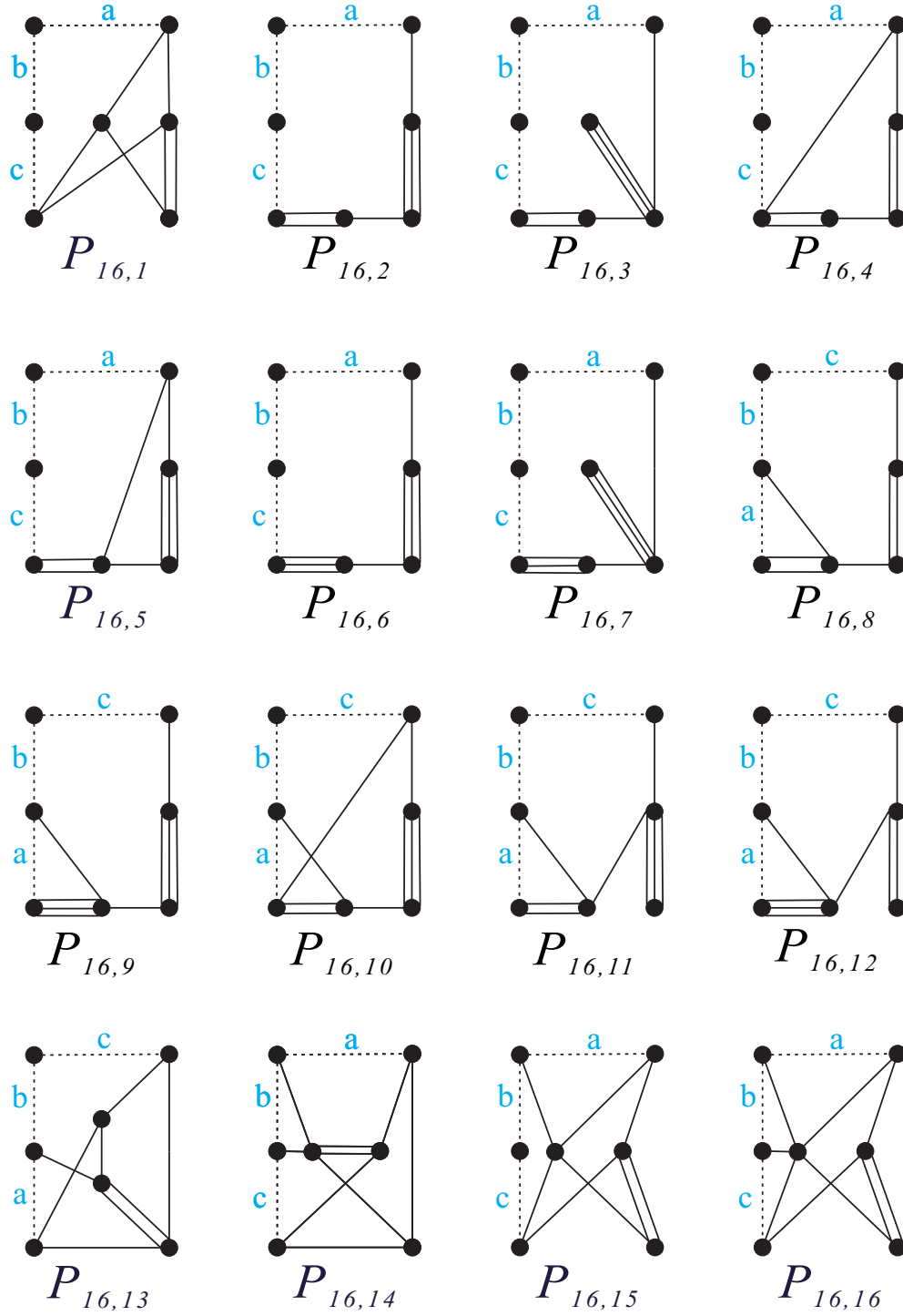


Figure 21. The 81 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_{16} (part 1).

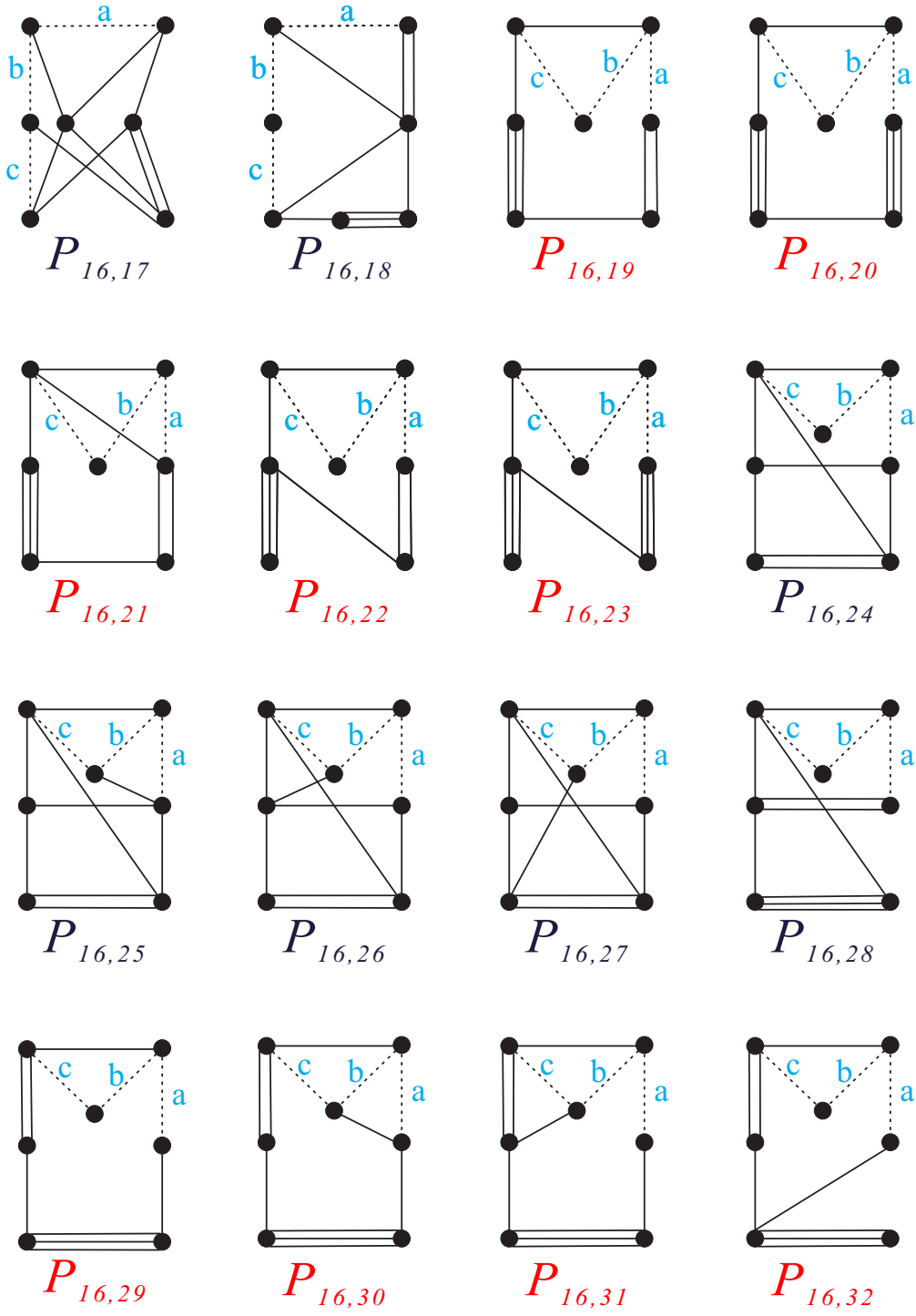


Figure 22. The 81 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_{16} (part 2).

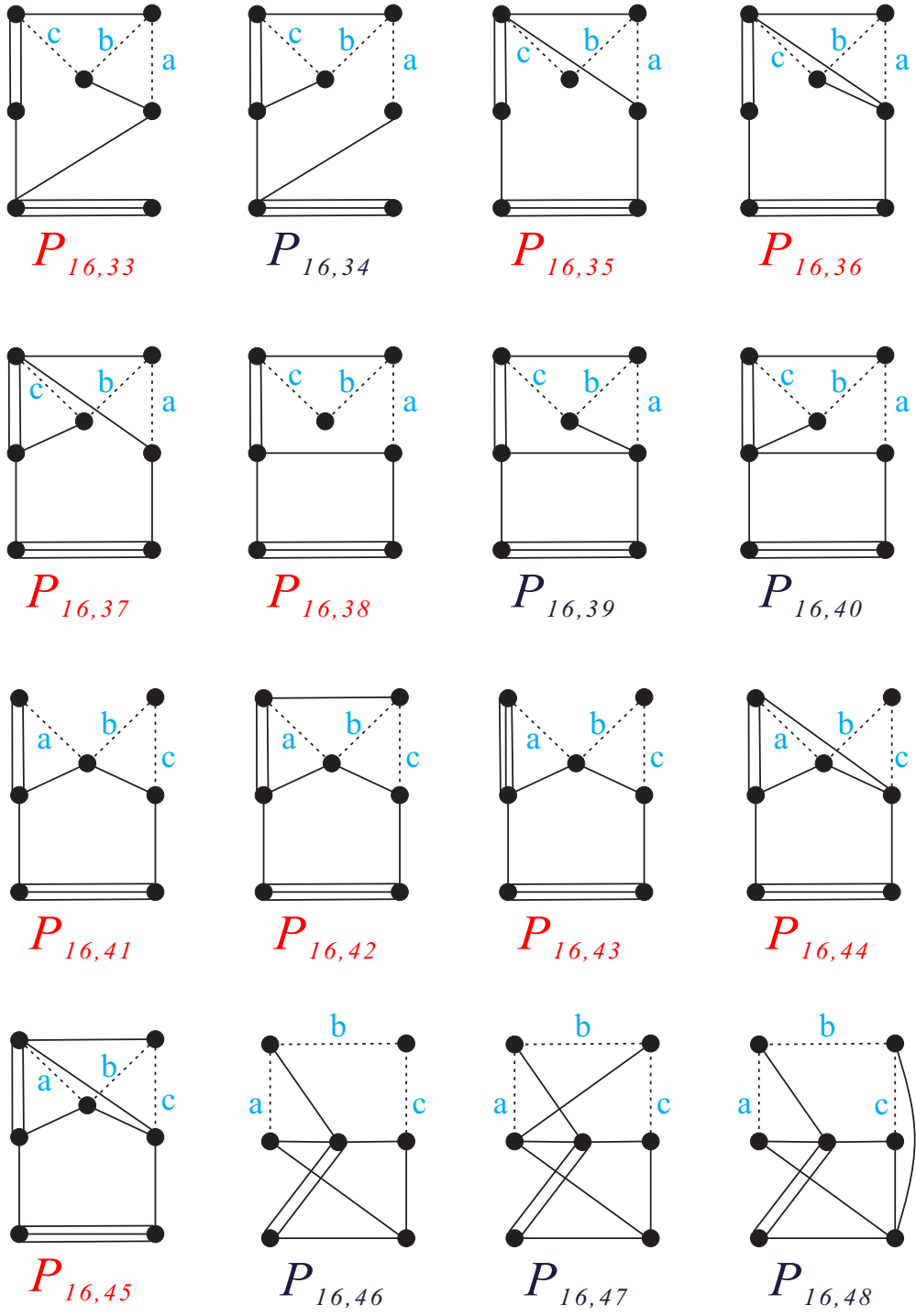


Figure 23. The 81 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_{16} (part 3).

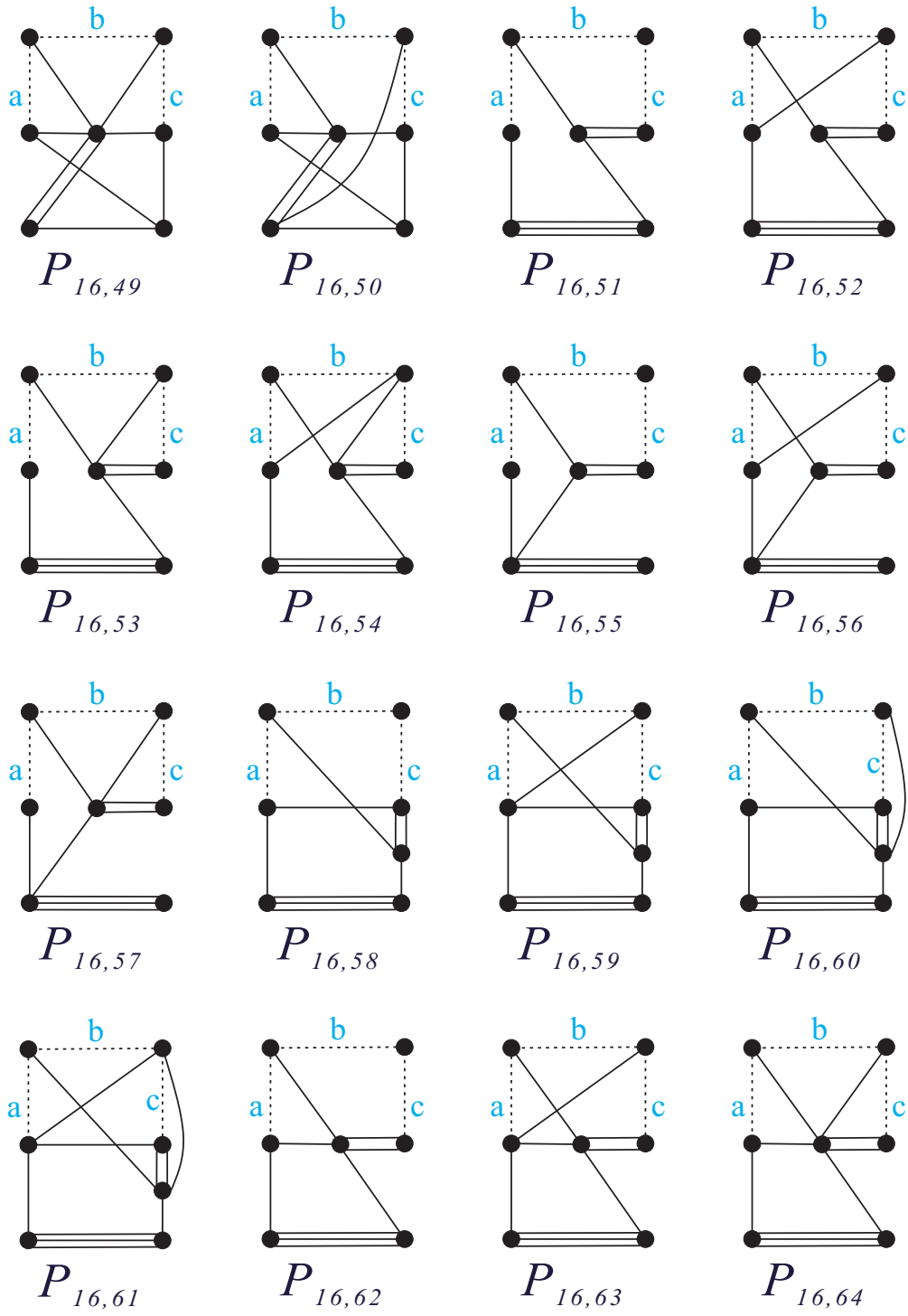


Figure 24. The 81 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_{16} (part 4).

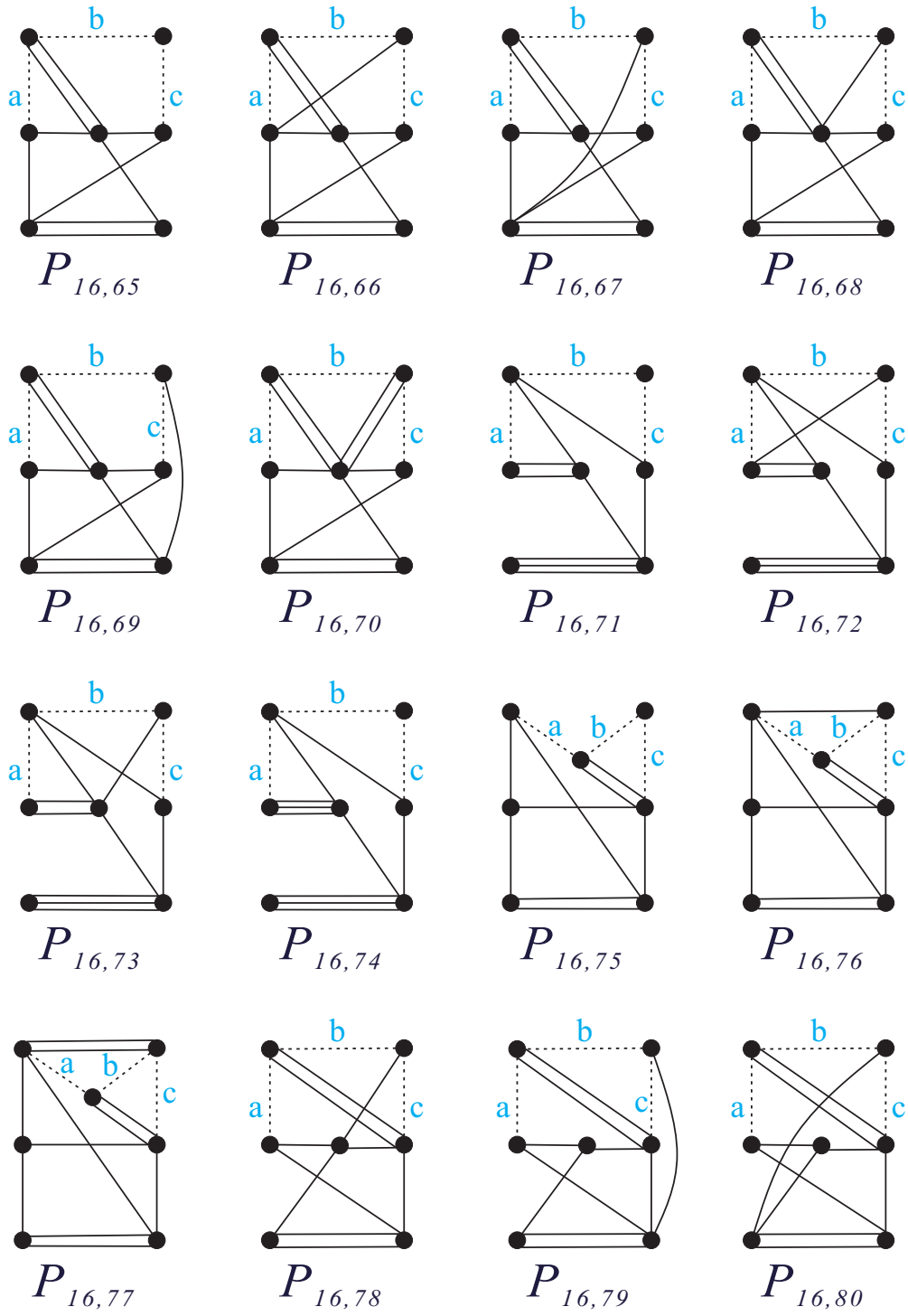


Figure 25. The 81 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_{16} (part 5).

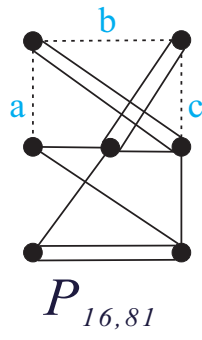


Figure 26. The 81 finite-volume hyperbolic Coxeter 4-polytopes with 7 facets over polytope P_{16} (part 6).