Домашнее задание по Математической логике №5

Приложение 2. Метод резолюций

Часть 10.50001 - 54970

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$$1. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \vdash t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{1$$

$$2. \ \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

$$3. \ \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,5},\,\neg e_{2,5}}$$

$$4. \ \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \vdash t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_$$

$$5. \ \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}} \vdash t_{\neg e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$6. \ \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1$$

$$7. \ \ t_{e_{1,3},\, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$8. \ \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{2,6}$$

$$9. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \vdash t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,2},\,\neg e_{2,3}}$$

$$10. \ \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \vdash t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,2},\,\neg e_{2,3}}$$

$$11. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

$$12. \ t_{e_{1,3},\, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,3} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,3} \lor t_{e_{1,3},\, e_{2,3}}$$

$$13. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor t_{e_{2,2},\,\neg e_{2,2}} \lor t_{e_{2,2},\,\neg e_{2,2}} \lor t_{e_{2,2},\,\neg e_{2,2}} \lor t_{e_{2,2},\,\neg e_{2,2}} \lor t_{e_{2,2},\,\neg e_{2,2}$$

$$14. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$15. \ \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_$$

$$16. \ \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$17. \ t_{e_{1,3},\, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg e_{2,6}$$

$$18. \ \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg e_{2,5}$$

19.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,5} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{2,5}$$

20.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{2,6}$$

$$21. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,6},\,\neg e_{2,6}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,4},\,\neg e_{2,6}} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{1,4},\,\neg e_{2,4}$$

$$22. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

23.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$24. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

$$25. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,5},\,\neg e_{2,5}} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,$$

26.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor e_{1,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$27. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,$$

$$28. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \lor \neg t_$$

29.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,6}$$

$$30. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \lor \neg t_$$

31.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

32.
$$t_{e_{1,3},e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3},\neg e_{2,3}} \lor t_{\neg e_{1,2},e_{1,3}} \vdash t_{e_{1,3},\neg e_{2,3}} \lor t_{\neg e_{1,2},e_{1,3}} \lor t_{e_{1,3},e_{2,3}}$$

33.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,6}$$

34.
$$t_{e_{1,3},e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},e_{1,3}} \lor \neg e_{2,5} \vdash t_{e_{1,2},e_{1,3}} \lor t_{e_{1,3},e_{2,3}} \lor \neg e_{2,5}$$

35.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{2,5}$$

36.
$$t_{e_{1,3},e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},e_{1,3}} \lor e_{2,6} \vdash t_{e_{1,2},e_{1,3}} \lor t_{e_{1,3},e_{2,3}} \lor e_{2,6}$$

$$37. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,6},\,\neg e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

38.
$$t_{e_{1,3},e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},e_{1,3}} \lor t_{e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{e_{1,3},e_{2,3}} \lor t_{e_{1,2},\neg e_{1,3}}$$

39.
$$t_{e_{1,3},e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},e_{1,3}} \lor t_{e_{1,3},e_{2,3}}$$

$$40.\ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

41.
$$t_{e_{1,3},e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},e_{1,3}} \lor t_{e_{1,5},\neg e_{2,5}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{e_{1,5},\neg e_{2,5}} \lor t_{e_{1,3},e_{2,3}}$$

$$42. \ \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}} \lor e_{1,5} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{1,5} \lor t_{e_{1,3},\,e_{2,3}}$$

43.
$$t_{e_{1,3},e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,5},e_{2,5}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{e_{1,3},e_{2,3}} \lor \neg t_{\neg e_{1,5},e_{2,5}}$$

$$44. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}} \lor e_{1,6} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{1,6}$$

$$45. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \lor \neg t_{\neg e$$

$$46. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

47.
$$t_{e_{1,3},e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},e_{1,3}} \lor t_{e_{1,3},e_{2,3}}$$

$$48. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,3} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}$$

$$49. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

$$50. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor t_{e_{2,3},\,\neg e_{2,3}} \lor$$

$$51. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,$$

$$52. \ \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$53. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$54. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,$$

$$55. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor \neg e_{1,5} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}}$$

56.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$57. \ \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

58.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor e_{1,5} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$59. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

$$60.\ \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor \neg e_{1,6} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash \neg e_{1,6} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}}$$

$$61. \ \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,6}$$

$$62. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \vdash t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{$$

63.
$$t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}}$$

$$64. \ \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{2,3}$$

$$65. \ \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{1,5},\,\neg e_{2,5}}$$

$$66. \ \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}}$$

$$67. \ \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,6},\,e_{2,6}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{\neg e_{1,6},\,e_{2,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}}$$

$$68.\ \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash \neg t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor$$

$$69. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \vdash t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor t_{\neg e_{1,2},\,e_{$$

70.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,6}$$

71.
$$t_{e_{1,3},e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,3},\neg e_{2,3}} \lor t_{e_{1,2},\neg e_{2,3}} \vdash t_{e_{1,3},e_{2,3}} \lor \neg t_{e_{1,3},\neg e_{2,3}} \lor t_{e_{1,2},\neg e_{2,3}}$$

72.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

73.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

74.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor e_{1,3} \lor \neg e_{2,6} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6}$$

75.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor \neg e_{2,5} \lor e_{1,3} \vdash t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \lor e_{1,3}$$

76.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor e_{2,5} \lor e_{1,3} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{2,5} \lor e_{1,3}$$

77.
$$t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor e_{1,3} \lor e_{2,6} \vdash t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

78.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

79.
$$t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor e_{1,3} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$80.\ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

81.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3}$$

82.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,3} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

83.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor e_{1,5} \lor e_{1,3} \vdash e_{1,5} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

84.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

85.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{1,3} \vdash t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{1,3}$$

86.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor e_{1,6} \lor e_{1,3} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{1,6} \lor e_{1,3}$$

87.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

$$88. \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor e_{1,3} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

89.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

90.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

91.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

92.
$$t_{e_{1,3},\,e_{2,3}} \vee e_{1,2}, \neg e_{1,2} \vee t_{e_{1,2},\,e_{2,3}} \vee e_{1,3} \vdash t_{e_{1,2},\,e_{2,3}} \vee t_{e_{1,3},\,e_{2,3}} \vee e_{1,3}$$

93.
$$t_{e_{1,3}, e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$94. \ \ t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \vdash t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}}$$

95.
$$t_{e_{1,3},e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},e_{2,3}} \lor t_{e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},e_{2,3}} \lor t_{e_{1,3},e_{2,3}} \lor t_{e_{1,2},\neg e_{1,3}}$$

96.
$$t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}}$$

97.
$$t_{e_{1,3},e_{2,3}} \lor t_{\neg e_{1,2},\neg e_{2,3}}, t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,3},e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,3},e_{2,3}} \lor t_{\neg e_{1,2},\neg e_{2,3}} \lor e_{1,3}$$

98.
$$t_{e_{1,3},e_{2,3}} \lor t_{\neg e_{1,2},\neg e_{2,3}}, t_{e_{1,2},e_{2,3}} \lor \neg t_{e_{1,3},e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2},e_{2,3}} \lor t_{\neg e_{1,2},\neg e_{2,3}} \lor e_{1,3}$$

99.
$$t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$100.\ t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{2,3}$$

$$101. \ \ t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$102. \ t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}}, \neg t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$103.\ t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}}, t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{2,3}$$

$$104. \ \ t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}}, t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{2,3}$$

105.
$$t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$106. \ \ t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$107. \ t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}, \neg t_{\neg e_{1,4},\,e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4} \vdash \neg t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor e_{2,4} \vdash \neg t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor e_{2,4} \vdash \neg t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor e_{2,4} \vdash \neg t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor e_{2,4} \vdash \neg t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor e_{2,4} \vdash \neg t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor e_{2,4} \vdash \neg t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor e_{2,4} \vdash \neg t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor e_{2,4} \vdash \neg t_{\neg e_{1,4},\,e_{2,4}} \lor e_{2,4} \vdash e_{2,4} \vdash e_{2,4} \lor e_{2,4} \lor$$

$$108. \ t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}, t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor e_{2,4}$$

$$109. \ \ t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash t_{\neg e_{1,4},\,e_{2,4}} \lor e_{1,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor e_{1,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor e_{1,4} \lor e_{1,4}$$

$$110. \ t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}, e_{1,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor$$

$$111. \ \ t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4} \vdash e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor e_{2,4}$$

$$112. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$113. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1$$

$$114. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \vee \neg t_{e_{1,3}, \, e_{2,3}} \vee e_{1,3} \vdash \neg t_{e_{1,3}, \, e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$115. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \ e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{$$

$$116. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \vdash t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor e_{2,3}$$

117.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{2,3}$$

$$118. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\ e_{2,3}}, \neg t_{\neg e_{1,3},\ \neg e_{2,3}} \lor t_{\neg e_{1,3},\ \neg e_{2,3}} \lor \neg e_{2,3} \vdash \neg t_{\neg e_{1,3},\ \neg e_{2,3}} \lor t_{\neg e_{1,3},\ \neg e_{2,3}} \lor \neg t_{\neg e_{1,3},\ e_{2,3}$$

119.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{4,6}, \neg e_{5,6}} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{4,6}, \neg e_{5,6}} \lor t_{e_{1,6}, e_{2,6}} \lor e_{2,3}$$

$$120. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor e_{2,3}$$

$$121. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{4,6}, \, e_{5,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,6}, \, e_{2,6}} \vdash t_{\neg e_{4,6}, \, e_{5,6}} \lor t_{e_{1,6}, \, e_{2,6}} \lor e_{2,3}$$

122.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg e_{2,6} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6}$$

123.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3}$$

124.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg e_{3,5} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

$$125. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{4,6},\, \neg e_{5,6}} \lor e_{2,3}$$

$$126. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,6}, \, \neg e_{5,6}} \lor t_{e_{1,6}, \, e_{2,6}} \vdash t_{\neg e_{4,6}, \, \neg e_{5,6}} \lor t_{e_{1,6}, \, e_{2,6}} \lor e_{2,3}$$

127.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor e_{3,6} \lor e_{2,3}$$

$$128. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,5},\, \neg e_{2,5}} \vee t_{\neg e_{1,3},\, e_{2,3}} \vee t_{e_{4,5},\, \neg e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \vee t_{e_{4,5},\, \neg e_{5,6}} \vee e_{2,3}$$

$$129. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}}$$

$$130. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,3}, \ e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor e_{2,3}$$

$$131. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor e_{2,3}$$

$$132. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor e_{2,3}$$

$$133. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \lor e_{2,3}$$

$$134. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

135.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor e_{2,3}$$

$$136. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \vee t_{\neg e_{3,5}, \, \neg e_{3,6}} \vee t_{e_{1,3}, \, e_{2,3}} \vdash t_{\neg e_{3,5}, \, \neg e_{3,6}} \vee t_{e_{1,3}, \, e_{2,3}} \vee e_{2,3}$$

137.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,3} \lor e_{2,3}$$

138.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor \neg e_{2,3} \lor e_{1,3} \vdash e_{3,5} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$139. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{4,5}, \, e_{5,6}} \lor e_{2,3} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$140. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{e_{4,5}, \, e_{5,6}} \lor e_{2,3} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$141. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{4,6},\, e_{5,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{4,6},\, e_{5,6}} \lor e_{2,3}$$

$$142. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor \neg e_{3,6} \lor \neg e_{2,3} \vdash \neg e_{1,3} \lor \neg e_{3,6} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}$$

143.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor e_{2,3}$$

144.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor e_{1,2} \lor e_{2,6} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \lor e_{2,6}$$

$$145. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor e_{2,3}$$

$$146. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$147. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$148. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}}$$

$$149. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor e_{2,3}$$

$$150. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{4,6}, \, \neg e_{5,6}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{e_{4,6}, \, \neg e_{5,6}} \lor e_{2,3}$$

151.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor e_{2,3}$$

$$152. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{4,5}, \, e_{5,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}} \lor e_{2,3}$$

$$153. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}}$$

$$154. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{\neg e_{1,3}, \ \neg e_{2,3}} \lor t_{\neg e_{1,3}, \ e_{2,3}} \lor t_{\neg e_{3,5}, \ \neg e_{3,6}} \vdash t_{\neg e_{1,3}, \ \neg e_{2,3}} \lor t_{\neg e_{3,5}, \ \neg e_{3,6}} \lor e_{2,3}$$

$$155. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{4,6},\, e_{5,6}} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{e_{4,6},\, e_{5,6}} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor e_{2,3}$$

$$156. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{4,6}, \, e_{5,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,6}, \, \neg e_{2,6}} \vdash t_{\neg e_{4,6}, \, e_{5,6}} \lor t_{e_{1,6}, \, \neg e_{2,6}} \lor e_{2,3}$$

$$157. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$158. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}}$$

159.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor \neg e_{3,5} \lor e_{1,3} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5} \lor e_{1,3}$$

$$160. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}}$$

$$161. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \vee e_{2,5} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \vee e_{2,5} \vee e_{1,2}$$

$$162. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor e_{2,3} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$163. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, \neg t_{\neg e_{1,3}, \ \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \ \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}} \lor e_{1,2}$$

$$164. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor e_{3,5} \lor \neg e_{2,3} \vdash \neg e_{1,3} \lor e_{3,5} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}$$

$$165. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{3,5},\, e_{3,6}} \vdash t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{3,5},\, e_{3,6}} \lor e_{2,3}$$

166.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor \neg e_{2,6} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \lor e_{1,2}$$

$$167. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \lor e_{2,3}$$

$$168. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \vee e_{3,6} \vee e_{1,3} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \vee e_{3,6} \vee e_{1,3}$$

$$169. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor e_{2,3}$$

$$170. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

171.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor e_{2,3}$$

$$172. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{4,6}, \, e_{5,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,6}, \, e_{2,6}} \vdash t_{e_{4,6}, \, e_{5,6}} \lor t_{e_{1,6}, \, e_{2,6}} \lor e_{2,3}$$

173.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor e_{2,3}$$

$$174. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{2,3} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

175.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor e_{3,6} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6}$$

$$176. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{2,3}$$

$$177. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{2,3}$$

178.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \lor e_{2,3}$$

$$179. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}}$$

$$180. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{4,6}, \, e_{5,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}} \vdash t_{\neg e_{4,6}, \, e_{5,6}} \lor e_{2,3} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}}$$

181.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{4,6}, e_{5,6}} \lor e_{2,3} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

182.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$183. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, \neg t_{\neg e_{3,5}, \ \neg e_{3,6}} \lor t_{\neg e_{1,3}, \ e_{2,3}} \lor \neg e_{3,5} \vdash \neg t_{\neg e_{3,5}, \ \neg e_{3,6}} \lor \neg e_{3,5} \lor e_{2,3}$$

184.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5} \vdash \neg t_{\neg e_{3,5}, e_{3,6}} \lor \neg e_{3,5} \lor e_{2,3}$$

$$185. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor e_{2,3}$$

$$186. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \lor e_{2,3}$$

$$187. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor e_{2,3}$$

188.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg e_{2,5} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,5}$$

189.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$190. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{e_{3,5},\, e_{3,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{2,3}$$

$$191. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$192. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e$$

193.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{4,6}, e_{5,6}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,3}$$

$$194. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,6}, \, \neg e_{5,6}} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}} \vdash t_{\neg e_{4,6}, \, \neg e_{5,6}} \lor e_{2,3} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}}$$

$$195. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor e_{2,5} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,5}$$

196.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor \neg e_{2,3} \lor e_{1,3} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$197. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor e_{2,3}$$

198.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6} \vdash \neg t_{\neg e_{3,5}, e_{3,6}} \lor e_{3,6} \lor e_{2,3}$$

$$199. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

$$200. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{4,6}, \, \neg e_{5,6}} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}} \vdash t_{e_{4,6}, \, \neg e_{5,6}} \lor e_{2,3} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}}$$

$$201. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}}$$

$$202. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor e_{2,6} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,6}$$

$$203. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor e_{2,3}$$

$$204. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \vdash t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor e_{2,3}$$

$$205. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{4,5}, \, e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}} \lor e_{2,3}$$

$$206. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \, e_{2,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}}$$

$$207. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{e_{1,3}, \, e_{2,3}} \vdash t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

208.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \lor e_{2,3}$$

$$209. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor e_{2,3}$$

$$210. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{\neg e_{1,3}, \ e_{2,3}} \lor t_{e_{1,6}, \ \neg e_{2,6}} \lor t_{\neg e_{4,6}, \ \neg e_{5,6}} \vdash t_{e_{1,6}, \ \neg e_{2,6}} \lor t_{\neg e_{4,6}, \ \neg e_{5,6}} \lor e_{2,3}$$

$$211. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor \neg e_{2,5} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{2,5} \lor e_{1,2}$$

$$212. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3$$

$$213. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor e_{2,3}$$

$$214. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

215.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$216. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_{2,6} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{2,6}$$

$$217. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$218. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{e_{1,3}, \ \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_{2,5} \vdash t_{e_{1,3}, \ \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}} \lor \neg e_{2,5}$$

$$219. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{2,5} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,5}$$

$$220. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,3}$$

221.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{2,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,6}$$

$$222. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

$$223. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,6}, \, \neg e_{2,6}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,6}, \, \neg e_{2,6}} \lor e_{1,2}$$

$$224. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,6}, \, \neg e_{2,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,6}, \, \neg e_{2,6}}$$

$$225. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$226. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor e_{1,2} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,2} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$227. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$228. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, \, e_{2,3}} \lor \neg e_{3,5} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor \neg e_{3,5}$$

$$229. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$230. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,6} \lor \neg e_{2,3} \lor t_{e_{1,2}, \, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}}$$

231.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

232.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash e_{3,5} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$233. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, \, e_{2,3}} \lor e_{3,6} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor e_{3,6}$$

$$234. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

235.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{1,2} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{2,3} \lor e_{1,2}$$

$$236. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$237. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, e_{1,3}} \lor e_{2,3}$$

$$238. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \, e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}$$

$$239. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{2,3} \vee t_{\neg e_{1,2},\, e_{1,3}} \vee e_{1,2} \vdash t_{\neg e_{1,2},\, e_{1,3}} \vee \neg t_{\neg e_{1,3},\, e_{2,3}} \vee e_{1,2}$$

$$240. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}$$

$$241. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$242. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{1,2}$$

$$243. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$244. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,5}, \, e_{2,5}} \lor e_{1,2} \vdash t_{e_{1,5}, \, e_{2,5}} \lor e_{2,3} \lor e_{1,2}$$

$$245. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{1,2} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{2,3} \lor e_{1,2}$$

$$246. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{e_{1,3}, \ \neg e_{2,3}} \lor t_{\neg e_{1,3}, \ e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,3}, \ \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

247.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

248.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{1,5} \lor e_{1,2} \vdash \neg e_{1,5} \lor e_{2,3} \lor e_{1,2}$$

$$249. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vee \neg e_{1,5} \vdash \neg e_{1,2} \vee \neg e_{1,5} \vee e_{2,3}$$

$$250. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$251. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

252.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6} \lor e_{1,2} \vdash e_{1,6} \lor e_{2,3} \lor e_{1,2}$$

$$253. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$254. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$255. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$256. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor e_{2,3}$$

257.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{1,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash e_{1,5} \lor e_{2,3} \lor e_{1,2}$$

$$258. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$259. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,6} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vee e_{1,2} \vdash \neg e_{1,6} \vee e_{2,3} \vee e_{1,2}$$

$$260. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$261. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

262.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash \neg e_{3,6} \lor e_{2,3}$$

263.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5} \lor e_{2,3} \vdash e_{2,3} \lor \neg e_{3,5}$$

$$264. \ e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \ e_{2,3}}, \lnot t_{\lnot e_{1,3}, \ \lnot e_{2,3}} \lor t_{\lnot e_{1,3}, \ e_{2,3}} \lor e_{1,2} \vdash \lnot t_{\lnot e_{1,3}, \ \lnot e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$265. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

266.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor e_{1,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor e_{1,5} \lor e_{2,3}$$

$$267. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$268. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, \neg t_{\neg e_{1,3}, \ \neg e_{2,3}} \lor t_{e_{1,3}, \ \neg e_{2,3}} \lor t_{\neg e_{1,3}, \ e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \ \neg e_{2,3}} \lor t_{e_{1,3}, \ \neg e_{2,3}} \lor e_{2,3}$$

$$269. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

$$270. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

$$271. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

272.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6} \lor e_{2,3} \vdash e_{2,3} \lor e_{3,6}$$

273.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}$$

274.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor e_{3,5}$$

$$275. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

$$276. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{1,2} \vee \neg e_{1,6} \vee t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \vee \neg e_{1,6} \vee e_{2,3}$$

$$277. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

278.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6} \vdash \neg e_{1,2} \lor e_{1,6} \lor e_{2,3}$$

$$279. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$280. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

$$281. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{1,5} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{1,5} \lor e_{2,3}$$

282.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{1,5} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,3}$$

$$283. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,6} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg e_{1,6} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$284. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vee e_{1,6} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \vee e_{1,6} \vee e_{2,3}$$

285.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

286.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$287. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$288. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

289.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

$$290. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{2,3}$$

$$291. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{3,5} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{3,5} \lor e_{2,3}$$

$$292. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$293. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash e_{3,5} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$294. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{3,6} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{3,6} \lor e_{2,3}$$

$$295. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{3,5} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{3,5} \lor e_{2,3}$$

$$296. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,2}, \, e_{1,3}} \lor e_{2,3}$$

$$297. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor e_{3,5} \lor e_{2,3}$$

$$298. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vee e_{3,6} \vdash t_{e_{1,2}, \, e_{1,3}} \vee e_{3,6} \vee e_{2,3}$$

$$299. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$300. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \vee \neg t_{\neg e_{1,2},\, e_{2,3}} \vee \neg e_{3,5} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \vee \neg e_{3,5} \vee e_{2,3}$$

$$301. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$302. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$303. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,3}, \, e_{2,3}} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vee e_{2,3} \vdash e_{2,3}$$

$$304. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \vdash e_{3,5} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

305.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{3,6} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{3,6} \lor e_{2,3}$$

306.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash e_{2,3} \lor e_{1,2}$$

307.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor e_{2,3}$$

308.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}$$

309.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,2} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,3} \lor e_{1,2}$$

$$310. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash e_{1,3} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$311. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$312. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{3,5} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg e_{3,5} \lor e_{2,3}$$

313.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3}$$

$$314. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \vee t_{\neg e_{1,2},\, e_{1,3}} \vee t_{\neg e_{1,3},\, e_{2,3}} \vdash e_{3,5} \vee t_{\neg e_{1,2},\, e_{1,3}} \vee e_{2,3}$$

315.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor e_{3,6} \lor e_{2,3}$$

316.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2}$$

$$317. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \vee \neg t_{e_{1,2}, \, \neg e_{1,3}} \vee \neg e_{2,6} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \vee \neg t_{e_{1,2}, \, \neg e_{1,3}} \vee \neg e_{2,6}$$

$$318. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \vee \neg t_{e_{1,2},\, \neg e_{1,3}} \vee \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \vee \neg t_{\neg e_{1,2},\, e_{2,3}} \vee e_{2,3}$$

$$319. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,2}$$

$$320. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, \neg e_{2,3} \lor \neg t_{e_{1,2}, \ \neg e_{1,3}} \lor \neg e_{2,5} \vdash \neg t_{\neg e_{1,3}, \ e_{2,3}} \lor \neg t_{e_{1,2}, \ \neg e_{1,3}} \lor \neg e_{2,5}$$

$$321. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{2,5} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{2,5}$$

$$322. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vee t_{\neg e_{1,3},\, e_{2,3}} \vee \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vee \neg t_{e_{1,2},\, \neg e_{1,3}} \vee e_{2,3}$$

$$323. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}$$

324.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

$$325. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{2,3} \vee t_{e_{1,6},\, \neg e_{2,6}} \vee \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \vee t_{e_{1,6},\, \neg e_{2,6}} \vee \neg t_{e_{1,2},\, \neg e_{1,3}}$$

$$326. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,2}$$

$$327. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}}$$

$$328. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{2,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$329. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{1,5} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

$$330. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{1,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

$$331. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,6} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

$$332. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{\neg e_{1,3}, \ e_{2,3}} \lor \neg t_{e_{1,2}, \ \neg e_{1,3}} \lor e_{1,6} \vdash \neg t_{e_{1,2}, \ \neg e_{1,3}} \lor e_{1,6} \lor e_{2,3}$$

$$333. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$334. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

335.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

336.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

$$337. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor e_{2,3} \lor e_{1,2}$$

338.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$339. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,3} \vdash \neg e_{1,2} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}$$

340.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,3} \lor e_{1,2} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2}$$

$$341. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}$$

$$342. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}}$$

343.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{1,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash e_{1,5} \lor t_{e_{4,5}, \neg e_{5,6}} \lor e_{2,3}$$

$$344. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{1,5} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vee t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash e_{1,5} \vee t_{\neg e_{4,5}, \, \neg e_{5,6}} \vee e_{2,3}$$

$$345. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{1,5} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vee t_{e_{4,5}, \, e_{5,6}} \vdash e_{1,5} \vee t_{e_{4,5}, \, e_{5,6}} \vee e_{2,3}$$

$$346. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{1,5} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vee t_{\neg e_{4,5}, \, e_{5,6}} \vdash e_{1,5} \vee t_{\neg e_{4,5}, \, e_{5,6}} \vee e_{2,3}$$

$$347. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \vee \neg t_{e_{1,5}, \, \neg e_{2,5}} \vee e_{1,2} \vdash \neg t_{e_{1,5}, \, \neg e_{2,5}} \vee e_{2,3} \vee e_{1,2}$$

$$348. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{1,2} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \lor e_{2,3}$$

$$349. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vee \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \vee \neg t_{e_{1,5}, \, \neg e_{2,5}} \vee e_{2,3}$$

$$350. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \lor e_{2,3}$$

351.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor e_{1,5} \lor \neg e_{2,3} \vdash \neg e_{1,2} \lor e_{1,5} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

352.
$$e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, e_{1,5} \lor \neg e_{2,3} \lor e_{1,2} \vdash e_{1,5} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,2}$$

$$353. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{1,5} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \vdash e_{1,5} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}$$

$$354. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{1,5} \vee \neg e_{2,3} \vee \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash e_{1,5} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}} \vee \neg t_{e_{1,2}, \, \neg e_{1,3}}$$

355.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor \neg e_{3,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$356. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$357. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,6} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}}$$

$$358. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{3,5} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash e_{3,5} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}}$$

359.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor e_{3,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$360. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$361. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor \neg e_{3,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{3,5} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$362. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

$$363. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,6} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$364. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{3,5} \lor \neg e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash e_{3,5} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$365. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor e_{3,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{3,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

366.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

367.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$368. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$369. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$370. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$371. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{2,3} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}$$

$$372. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{2,3} \lor e_{1,2} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,2}$$

$$373. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \vdash t_{e_{1,2}, \, e_{1,3}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}$$

$$374. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,2},\, e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}}$$

375.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$376. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \vee e_{2,5} \vee t_{\neg e_{4,5}, \, e_{5,6}} \vdash e_{2,5} \vee t_{\neg e_{4,5}, \, e_{5,6}} \vee e_{2,3}$$

$$377. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,5} \lor t_{e_{4,5}, \, e_{5,6}} \vdash e_{2,5} \lor t_{e_{4,5}, \, e_{5,6}} \lor e_{2,3}$$

378.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor e_{2,5} \vdash t_{\neg e_{4,5}, \neg e_{5,6}} \lor e_{2,5} \lor e_{2,3}$$

$$379. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \vee t_{e_{4,5}, \, \neg e_{5,6}} \vee e_{2,5} \vdash t_{e_{4,5}, \, \neg e_{5,6}} \vee e_{2,5} \vee e_{2,3}$$

$$380. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}$$

$$381. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{1,2}$$

$$382. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\ e_{2,3}}, t_{e_{1,3},\ \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,5},\ e_{2,5}} \vdash t_{e_{1,3},\ \neg e_{2,3}} \lor \neg t_{\neg e_{1,3},\ e_{2,3}} \lor \neg t_{\neg e_{1,5},\ e_{2,5}}$$

$$383. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}$$

$$384. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$385. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{3,5} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{3,5} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

386.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{3,6} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

387.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{3,5} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$388. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{3,6} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash e_{3,6} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$389. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,2},\, e_{1,3}} \vee t_{\neg e_{1,3},\, e_{2,3}} \vee e_{1,2} \vdash t_{\neg e_{1,2},\, e_{1,3}} \vee e_{2,3} \vee e_{1,2}$$

390.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$391. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor e_{2,3} \lor e_{1,2}$$

392.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,6}, e_{2,6}} \lor e_{2,3}$$

$$393. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$394. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

$$395. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{4,6}, \, e_{5,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,6} \vdash t_{\neg e_{4,6}, \, e_{5,6}} \lor e_{1,6} \lor e_{2,3}$$

$$396. \ e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \ e_{2,3}}, t_{\lnot e_{1,3}, \ e_{2,3}} \lor t_{e_{4,6}, \ \lnot e_{5,6}} \lor e_{1,6} \vdash t_{e_{4,6}, \ \lnot e_{5,6}} \lor e_{1,6} \lor e_{2,3}$$

397.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6} \vdash t_{e_{4,6}, e_{5,6}} \lor e_{1,6} \lor e_{2,3}$$

398.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor e_{1,6} \vdash t_{\neg e_{4,6}, \neg e_{5,6}} \lor e_{1,6} \lor e_{2,3}$$

$$399. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \vee \neg e_{2,3} \vee e_{1,6} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}} \vee e_{1,6}$$

$$400. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \vee e_{1,6} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \vee e_{1,6} \vee e_{1,2}$$

401.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6}$$

$$402. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,2} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,3} \lor e_{1,2}$$

$$403. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \vdash \neg e_{1,2} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor e_{2,3}$$

$$404. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{e_{1,3}, \ \neg e_{2,3}} \lor t_{\neg e_{1,3}, \ e_{2,3}} \lor \neg t_{e_{1,6}, \ \neg e_{2,6}} \vdash t_{e_{1,3}, \ \neg e_{2,3}} \lor \neg t_{e_{1,6}, \ \neg e_{2,6}} \lor e_{2,3}$$

405.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6} \lor e_{1,2} \vdash e_{1,6} \lor e_{2,3} \lor e_{1,2}$$

$$406. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,6} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,6}$$

$$407. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor e_{2,3}$$

$$408. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \vee t_{\neg e_{1,2},\, e_{2,3}} \vee e_{1,2} \vdash t_{\neg e_{1,2},\, e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

$$409. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

410.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$411. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$412. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}}$$

413.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor e_{2,6} \vdash t_{\neg e_{4,6}, \neg e_{5,6}} \lor e_{2,3} \lor e_{2,6}$$

414.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,6} \vdash t_{\neg e_{4,6}, e_{5,6}} \lor e_{2,3} \lor e_{2,6}$$

$$415. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{4,6}, \, \neg e_{5,6}} \lor e_{2,6} \vdash t_{e_{4,6}, \, \neg e_{5,6}} \lor e_{2,3} \lor e_{2,6}$$

416.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,6} \vdash t_{e_{4,6}, e_{5,6}} \lor e_{2,3} \lor e_{2,6}$$

$$417. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor e_{1,2} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,2} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}}$$

$$418. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}}$$

$$419. \ \ e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \ e_{2,3}}, \lnot e_{2,3} \lor \lnot t_{e_{1,2}, \ \lnot e_{1,3}} \lor \lnot t_{\lnot e_{1,6}, \ e_{2,6}} \vdash \lnot t_{\lnot e_{1,3}, \ e_{2,3}} \lor \lnot t_{e_{1,2}, \ \lnot e_{1,3}} \lor \lnot t_{\lnot e_{1,6}, \ e_{2,6}} \lor t_{\lnot e_{1,6}, \ e_{2,6}} \lor \lnot t_{\lnot e_{1,6},$$

420.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \lor e_{2,6} \vdash e_{2,3} \lor e_{1,2} \lor e_{2,6}$$

421.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \lor e_{2,6} \vdash e_{2,3} \lor e_{1,2} \lor e_{2,6}$$

422.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,6} \vdash \neg e_{1,2} \lor e_{2,3} \lor e_{2,6}$$

$$423. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor e_{2,6} \lor e_{2,6}$$

$$424. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3} \lor e_{2,6}$$

425.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$426. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$427. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$428. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$429. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$430. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{1,5} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vee e_{1,3} \vdash e_{1,5} \vee e_{1,3} \vee e_{2,3}$$

431.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \vdash \neg e_{1,3} \lor \neg e_{1,5} \lor e_{2,3}$$

432.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$433. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$434. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$435. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, \neg t_{\neg e_{1,2}, \ \neg e_{1,3}} \lor t_{\neg e_{1,3}, \ e_{2,3}} \lor t_{\neg e_{1,2}, \ \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \ \neg e_{1,3}} \lor t_{\neg e_{1,2}, \ \neg e_{1,3}} \lor e_{2,3}$$

436.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,5} \lor e_{2,3} \vdash e_{2,3} \lor e_{2,5}$$

$$437. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$438. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

439.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{2,6} \vdash e_{2,3} \lor e_{2,6}$$

$$440. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{2,3}$$

$$441. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$442. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,3}$$

$$443. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

444.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \lor e_{1,3} \vdash \neg e_{1,5} \lor e_{1,3} \lor e_{2,3}$$

$$445. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{2,3}$$

446.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{1,5} \lor \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,3} \lor e_{1,5} \lor e_{2,3}$$

447.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,6} \lor e_{1,3} \lor e_{2,3}$$

448.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \lor e_{2,3} \vdash \neg e_{2,5} \lor e_{2,3}$$

$$449. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$450. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

451.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

452.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6} \lor e_{1,3} \vdash e_{1,6} \lor e_{1,3} \lor e_{2,3}$$

$$453. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \vee e_{2,3} \vee \neg e_{2,6} \vdash e_{2,3} \vee \neg e_{2,6}$$

$$454. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$455. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$456. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{2,3}$$

$$457. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \vee \neg e_{1,6} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg e_{1,3} \vee \neg e_{1,6} \vee e_{2,3}$$

$$458. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vee e_{1,6} \vdash \neg e_{1,3} \vee e_{1,6} \vee e_{2,3}$$

$$459. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{2,3}$$

460.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,3} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,3}$$

461.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$462. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

463.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

464.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$465. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{1,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

466.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,6} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$467. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,2},\, e_{2,3}} \lor e_{1,6} \lor e_{2,3}$$

$$468. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$469. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$470. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$471. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$472. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3} \lor \neg e_{2,6}$$

$$473. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \vee t_{e_{1,2}, \, \neg e_{2,3}} \vee \neg e_{2,5} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \vee \neg e_{2,5} \vee e_{2,3}$$

$$474. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,5} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,5} \lor e_{2,3}$$

$$475. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \vee t_{e_{1,2}, \, \neg e_{2,3}} \vee e_{2,6} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \vee e_{2,6} \vee e_{2,6}$$

$$476. \ \ e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \ e_{2,3}}, t_{\lnot e_{1,3}, \ e_{2,3}} \lor t_{e_{1,6}, \ \lnot e_{2,6}} \lor t_{e_{1,2}, \ \lnot e_{2,3}} \vdash t_{e_{1,6}, \ \lnot e_{2,6}} \lor t_{e_{1,2}, \ \lnot e_{2,3}} \lor e_{2,3}$$

$$477. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

478.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor \neg e_{2,6}$$

$$479. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{2,5} \lor e_{2,3}$$

$$480. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vee e_{2,5} \vdash t_{e_{1,2}, \, e_{1,3}} \vee e_{2,5} \vee e_{2,3}$$

$$481. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vee e_{2,6} \vdash t_{e_{1,2}, \, e_{1,3}} \vee e_{2,3} \vee e_{2,6}$$

$$482. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,6}, \, \neg e_{2,6}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor t_{e_{1,6}, \, \neg e_{2,6}} \lor e_{2,3}$$

483.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

484.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$485. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{\neg e_{1,2}, \ e_{1,3}} \lor t_{\neg e_{1,3}, \ e_{2,3}} \lor t_{e_{1,2}, \ \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \ e_{1,3}} \lor t_{e_{1,2}, \ \neg e_{2,3}} \lor e_{2,3}$$

$$486. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{2,3}$$

487.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$488. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

$$489. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,3}$$

$$490. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3} \lor \neg e_{2,6}$$

$$491. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,5} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,5} \lor e_{2,3}$$

$$492. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,5} \vdash \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,5} \lor e_{2,3}$$

$$493. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,6} \vdash \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,6} \lor e_{2$$

$$494. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,6}, \, \neg e_{2,6}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{e_{1,6}, \, \neg e_{2,6}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$495. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

496.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,3} \vdash \neg e_{1,3} \lor e_{2,3}$$

497.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash e_{1,3} \lor e_{2,3}$$

498.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$499. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$500. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

$$501. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{2,3} \lor \neg e_{2,6}$$

$$502. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{2,5} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg e_{2,5} \lor e_{2,3}$$

$$503. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,2},\, e_{1,3}} \vee t_{\neg e_{1,3},\, e_{2,3}} \vee e_{2,5} \vdash t_{\neg e_{1,2},\, e_{1,3}} \vee e_{2,5} \vee e_{2,3}$$

$$504. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{2,3} \lor e_{2,6}$$

$$505. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,6}, \, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,6}, \, \neg e_{2,6}} \lor e_{2,3}$$

$$506. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$507. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

$$508. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor e_{2,3}$$

$$509. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3}$$

$$510. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{e_{1,5}, \ \neg e_{2,5}} \lor t_{e_{1,2}, \ e_{1,3}} \lor t_{\neg e_{1,3}, \ e_{2,3}} \vdash t_{e_{1,2}, \ e_{1,3}} \lor t_{e_{1,5}, \ \neg e_{2,5}} \lor e_{2,3}$$

$$511. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$512. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{e_{1,5}, \ \neg e_{2,5}} \lor t_{\neg e_{1,2}, \ e_{1,3}} \lor t_{\neg e_{1,3}, \ e_{2,3}} \vdash t_{e_{1,5}, \ \neg e_{2,5}} \lor t_{\neg e_{1,2}, \ e_{1,3}} \lor e_{2,3}$$

$$513. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \lor e_{2,3}$$

$$514. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{\neg e_{1,3}, \ e_{2,3}} \vee \neg t_{e_{1,5}, \ \neg e_{2,5}} \vee e_{1,3} \vdash \neg t_{e_{1,5}, \ \neg e_{2,5}} \vee e_{1,3} \vee e_{2,3}$$

$$515. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{2,3}$$

516.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{1,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,3} \vdash e_{1,5} \lor e_{2,3}$$

$$517. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{1,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$518. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,5} \lor e_{2,3}$$

$$519. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{1,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \vdash e_{1,5} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$520. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{1,5} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{2,3}$$

$$521. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$522. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{1,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$523. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,6} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$524. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash e_{1,6} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$525. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$526. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$527. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$528. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,5} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$529. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{1,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash e_{1,5} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$530. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{1,6} \vee t_{\neg e_{1,3},\, e_{2,3}} \vee t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,6} \vee e_{2,3} \vee t_{e_{1,2},\, \neg e_{1,3}}$$

$$531. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,6} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash e_{1,6} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

532.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$533. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

534.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$535. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{2,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$536. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \vee t_{\neg e_{1,2}, \, \neg e_{2,3}} \vee e_{1,3} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$537. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$538. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$539. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$540. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$541. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2}, \, e_{1,3}} \lor e_{2,3}$$

$$542. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$543. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$544. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$545. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,3}$$

$$546. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$547. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,3}$$

$$548. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,3}$$

$$549. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,3}$$

$$550. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \vee \neg e_{2,6} \vee t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{2,3} \vee \neg e_{2,6} \vee t_{e_{1,2},\, \neg e_{1,3}}$$

$$551. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{2,5} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{2,5} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$552. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,5} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash e_{2,5} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$553. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,6} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash e_{2,3} \lor e_{2,6} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$554. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,6}, \, \neg e_{2,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,6}, \, \neg e_{2,6}} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$555. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$556. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$557. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$558. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{1,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash e_{1,5} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

559.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$560. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$561. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor e_{1,3} \lor e_{2,3}$$

$$562. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,6}, \, e_{2,6}} \lor e_{2,3}$$

$$563. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$564. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$565. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor e_{2,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$566. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor e_{1,3} \vdash \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor e_{1,3} \lor e_{2,3}$$

$$567. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor e_{2,3}$$

$$568. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \vee e_{1,6} \vee e_{2,3} \vdash e_{2,3} \vee e_{1,6}$$

$$569. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor e_{2,3}$$

$$570. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,6} \lor e_{2,3}$$

$$571. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,6} \lor e_{2,3}$$

$$572. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{1,6} \vdash \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{1,6} \lor e_{2,3}$$

$$573. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{\neg e_{1,2}, \ e_{1,3}} \lor t_{\neg e_{1,3}, \ e_{2,3}} \lor e_{1,6} \vdash t_{\neg e_{1,2}, \ e_{1,3}} \lor e_{1,6} \lor e_{2,3}$$

$$574. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$575. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$576. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,6} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash e_{1,6} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$577. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \vee t_{\neg e_{1,2},\, e_{2,3}} \vee e_{1,3} \vdash t_{\neg e_{1,2},\, e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$578. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$579. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$580. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$581. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor e_{2,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{1,6},\, e_{2,6}} \lor e_{2,3}$$

$$582. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}}$$

$$583. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor e_{2,3} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}}$$

$$584. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}} \vdash \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}}$$

$$585. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{2,3} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}}$$

$$586.\ e_{2,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}}, t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash e_{2,3} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

587.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{2,6} \vdash e_{1,3} \lor e_{2,3} \lor e_{2,6}$$

$$588. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,6} \vdash \neg e_{1,3} \lor e_{2,3} \lor e_{2,6}$$

$$589. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \vee t_{e_{1,2}, \, e_{2,3}} \vee e_{2,6} \vdash t_{e_{1,2}, \, e_{2,3}} \vee e_{2,6} \vee e_{2,6}$$

$$590. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,6} \lor e_{2,6}$$

$$591. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,6} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash e_{2,3} \lor e_{2,6} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$592. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \vee t_{e_{1,2}, \, \neg e_{2,3}} \vee e_{1,3} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$593. \ e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \, e_{2,3}}, \lnot e_{1,3} \lor t_{\lnot e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \lnot e_{2,3}} \vdash \lnot e_{1,3} \lor t_{e_{1,2}, \, \lnot e_{2,3}} \lor e_{2,3}$$

$$594. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$595. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$596. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$597. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$598. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$599. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$600. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2}, \, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$601. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$602. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$603. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash e_{1,3} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$604. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

605.
$$e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

$$606. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg e_{2,6}$$

$$607. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$608. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{2,3} \lor \neg e_{2,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{2,5} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

609.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$610. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$611. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, \ e_{2,3}} \lor e_{2,6} \vdash \neg t_{\neg e_{1,3}, \ e_{2,3}} \lor t_{\neg e_{1,2}, \ e_{2,3}} \lor e_{2,6}$$

$$612. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$613. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$614. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$615. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}}$$

$$616. \ \ e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \ e_{2,3}}, t_{\lnot e_{1,3}, \ e_{2,3}} \lor \lnot e_{1,5} \lor t_{\lnot e_{1,2}, \ e_{2,3}} \vdash \lnot e_{1,5} \lor t_{\lnot e_{1,2}, \ e_{2,3}} \lor e_{2,3}$$

617.
$$e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, e_{1,5} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$618. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,6} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$619. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash e_{1,6} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$620.\ \ e_{2,3} \lor \neg t_{\neg e_{1,3},\ e_{2,3}}, t_{\neg e_{1,3},\ e_{2,3}} \lor t_{\neg e_{1,2},\ \neg e_{2,3}} \lor t_{\neg e_{1,2},\ e_{2,3}} \vdash t_{\neg e_{1,2},\ \neg e_{2,3}} \lor t_{\neg e_{1,2},\ e_{2,3}} \lor e_{2,3}$$

621.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$622. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,5},\, \neg e_{2,5}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$623. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$624. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, e_{1,5} \lor \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash e_{1,5} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$625. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$626. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,2},\, e_{1,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$627. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,2}, \, e_{2,3}}$$

$$628. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

629.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}}$$

630.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$631. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}}$$

632.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,6} \lor e_{2,6}$$

$$633. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$634. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \vee \neg e_{2,3} \vee \neg e_{2,6} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}} \vee \neg e_{2,6}$$

$$635. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$636. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_{2,5} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{2,5}$$

$$637. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{2,5} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,5}$$

$$638. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,3}$$

$$639. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{2,6} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,6}$$

640.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

$$641. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,6}, \, \neg e_{2,6}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,6}, \, \neg e_{2,6}}$$

$$642. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$643. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$644. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \, e_{1,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}$$

$$645. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$646. \ \ e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \ e_{2,3}}, \lnot t_{e_{1,2}, \ \lnot e_{2,3}} \lor t_{\lnot e_{1,3}, \ e_{2,3}} \lor \lnot e_{1,5} \vdash \lnot t_{e_{1,2}, \ \lnot e_{2,3}} \lor \lnot e_{1,5} \lor e_{2,3}$$

$$647. \ e_{2,3} \lor \lnot t_{\lnot e_{1,3},\ e_{2,3}}, \lnot t_{\lnot e_{1,3},\ \lnot e_{2,3}} \lor t_{\lnot e_{1,3},\ e_{2,3}} \lor e_{1,2} \vdash \lnot t_{\lnot e_{1,3},\ \lnot e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$648. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{1,5} \lor \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$649. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,6} \lor \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$650. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,6} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,6} \lor e_{2,3}$$

$$651. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{\neg e_{1,3}, \ e_{2,3}} \vee \neg t_{e_{1,2}, \ \neg e_{1,3}} \vee e_{1,2} \vdash \neg t_{e_{1,2}, \ \neg e_{1,3}} \vee e_{2,3} \vee e_{1,2}$$

$$652. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$653. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg t_{e_{1,2},\, \neg e_{2,3}} \vee t_{\neg e_{1,3},\, e_{2,3}} \vee t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \vee t_{\neg e_{1,2},\, \neg e_{2,3}} \vee e_{2,3}$$

654.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5} \lor e_{1,2} \vdash \neg e_{3,5} \lor e_{2,3} \lor e_{1,2}$$

655.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash \neg e_{3,6} \lor e_{2,3} \lor e_{1,2}$$

656.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash e_{3,5} \lor e_{2,3} \lor e_{1,2}$$

657.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6} \lor e_{1,2} \vdash e_{3,6} \lor e_{2,3} \lor e_{1,2}$$

$$658. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor \neg t_{e_{1,2}, \, \neg e_{2,3}}$$

$$659. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_$$

$$660. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\ e_{2,3}}, \neg t_{e_{1,2},\ \neg e_{2,3}} \lor t_{\neg e_{1,3},\ e_{2,3}} \lor \neg t_{e_{1,5},\ \neg e_{2,5}} \vdash \neg t_{e_{1,2},\ \neg e_{2,3}} \lor \neg t_{e_{1,5},\ \neg e_{2,5}} \lor e_{2,3}$$

$$661. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{1,5} \lor \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,3} \vdash e_{1,5} \lor \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}$$

$$662. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{2,3}$$

$$663. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,3} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,$$

$$664. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}$$

$$665. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,6},\, e_{2,6}} \vee \neg t_{e_{1,2},\, \neg e_{2,3}} \vee t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \vee \neg t_{e_{1,2},\, \neg e_{2,3}} \vee e_{2,3}$$

$$666. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,6} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,6}$$

$$667. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor e_{2,3}$$

$$668. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg t_{e_{1,2},\, \neg e_{2,3}} \vee t_{\neg e_{1,3},\, e_{2,3}} \vee t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \vee t_{\neg e_{1,2},\, e_{2,3}} \vee e_{2,3}$$

$$669. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}} \lor \neg t_{\neg e_{1,6},$$

$$670. \ \ e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \ e_{2,3}}, \lnot t_{e_{1,2}, \ \lnot e_{2,3}} \lor t_{\lnot e_{1,3}, \ e_{2,3}} \lor e_{2,6} \vdash \lnot t_{e_{1,2}, \ \lnot e_{2,3}} \lor e_{2,6}$$

671.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$672. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$673. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

674.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \lor e_{1,2} \vdash e_{2,3} \lor \neg e_{2,6} \lor e_{1,2}$$

675.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \lor e_{1,2} \vdash \neg e_{2,5} \lor e_{2,3} \lor e_{1,2}$$

676.
$$e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor e_{2,5} \lor e_{1,2} \vdash e_{2,5} \lor e_{2,3} \lor e_{1,2}$$

677.
$$e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,2} \lor e_{2,6} \vdash e_{2,3} \lor e_{1,2} \lor e_{2,6}$$

678.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,2} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,3} \lor e_{1,2}$$

679.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{2,3} \lor e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}$$

680.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

681.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$682. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor e_{2,3} \lor e_{1,2}$$

683.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{1,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash e_{1,5} \lor e_{2,3} \lor e_{1,2}$$

684.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$685. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,3} \lor e_{1,2}$$

686.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6} \lor e_{1,2} \vdash e_{1,6} \lor e_{2,3} \lor e_{1,2}$$

687.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash e_{2,3} \lor e_{1,2} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

688.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

689.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash \neg e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

690.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

691.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$692. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \vee e_{1,2} \vee t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{2,3} \vee e_{1,2} \vee t_{e_{1,2},\, \neg e_{1,3}}$$

693.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

694.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

695.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{2,3} \lor e_{1,2} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$696. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{\neg e_{1,3}, \ \neg e_{2,3}} \lor t_{\neg e_{1,3}, \ e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,3}, \ \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

697.
$$e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,6} \lor e_{1,2} \vdash e_{1,6} \lor e_{2,3} \lor e_{1,2}$$

698.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

699.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$700. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$701. \ \ e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \ e_{2,3}}, t_{\lnot e_{1,3}, \ e_{2,3}} \lor \lnot t_{e_{1,2}, \ \lnot e_{1,3}} \lor t_{e_{1,2}, \ e_{2,3}} \vdash t_{e_{1,2}, \ e_{2,3}} \lor \lnot t_{e_{1,2}, \ \lnot e_{1,3}} \lor e_{2,3}$$

702.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

703.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$704. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$705. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$706. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$707. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

708.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{2,3} \lor e_{1,2} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$709. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \vee t_{\neg e_{1,2},\, \neg e_{1,3}} \vee e_{1,2} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \vee e_{2,3} \vee e_{1,2}$$

710.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6}$$

$$711. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

712.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg e_{2,5} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{2,5}$$

713.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,5}$$

714.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3}$$

715.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,6}$$

$$716. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,6},\, \neg e_{2,6}}$$

717.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

718.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

719.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor e_{2,3}$$

720.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3}$$

721.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3}$$

722.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \lor e_{2,3}$$

$$723. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$724. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{2,3}$$

725.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$726. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}$$

727.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,3}$$

728.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{1,5} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

729.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

$$730. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,2},\, e_{1,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}$$

$$731. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}$$

732.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3}$$

733.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6}$$

734.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,3}$$

735.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

736.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

737.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{2,6}$$

738.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

$$739. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

740.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

741.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$742. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

743.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

744.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

745.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

746.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

747.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

748.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$749. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$750. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

751.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{2,3} \lor e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}$$

752.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

753.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$754. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$755. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

756.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

757.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

758.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$759. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

760.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

761.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$762. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$763. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3}$$

$$764. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

765.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \lor \neg e_{3,5} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \lor \neg e_{3,5}$$

766.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{2,3}$$

767.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

768.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

769.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash e_{3,5} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$770. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{2,3} \vee t_{e_{1,2},\, e_{2,3}} \vee e_{3,6} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \vee t_{e_{1,2},\, e_{2,3}} \vee e_{3,6}$$

771.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,3}$$

772.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{1,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,3}$$

773.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,6} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,3}$$

774.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{1,6} \lor e_{2,3}$$

775.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$776. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

777.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$778. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \vee t_{e_{1,2},\, e_{2,3}} \vee \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,2},\, e_{2,3}} \vee \neg t_{e_{1,5},\, \neg e_{2,5}} \vee e_{2,3}$$

$$779. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

780.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,3}$$

781.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,3}$$

$$782. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

783.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor e_{2,6}$$

$$784. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

785.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$786. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{\neg e_{1,3}, \ e_{2,3}} \lor t_{e_{1,2}, \ e_{2,3}} \lor t_{e_{1,2}, \ \neg e_{2,3}} \vdash t_{e_{1,2}, \ e_{2,3}} \lor t_{e_{1,2}, \ \neg e_{2,3}} \lor e_{2,3}$$

787.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

788.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2}$$

$$789. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}$$

$$790. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}}$$

791.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}}$$

792.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

793.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3}$$

794.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

795.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$796. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}}$$

$$797. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \, e_{1,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}$$

798.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

799.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,3}$$

$$800. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vee \neg e_{3,5} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \vee \neg e_{3,5} \vee e_{2,3}$$

801.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,3}$$

802.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor e_{2,3}$$

803.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,6} \lor e_{2,3}$$

$$804. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor e_{2,3} \lor \neg e_{2,6}$$

$$805. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vee \neg e_{2,5} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \vee \neg e_{2,5} \vee e_{2,3}$$

$$806. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{e_{1,3}, \ \neg e_{2,3}} \lor t_{\neg e_{1,3}, \ e_{2,3}} \lor e_{2,5} \vdash t_{e_{1,3}, \ \neg e_{2,3}} \lor e_{2,5} \lor e_{2,3}$$

$$807. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\ e_{2,3}}, t_{e_{1,3},\ \neg e_{2,3}} \lor t_{\neg e_{1,3},\ e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,3},\ \neg e_{2,3}} \lor e_{2,6} \lor e_{2,6}$$

$$808. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,6}, \, \neg e_{2,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,6}, \, \neg e_{2,6}} \lor e_{2,3}$$

$$809. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

810.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3}$$

$$811. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vee t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \, \neg e_{1,3}} \vee e_{2,3}$$

$$812. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor e_{2,3}$$

813.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{1,5} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,3}$$

814.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,3}$$

$$815. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,3}$$

$$816. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vee e_{1,6} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \vee e_{1,6} \vee e_{2,3}$$

$$817. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor e_{2,3} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}}$$

$$818. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

819.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3}$$

$$820. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, \neg t_{\neg e_{1,3}, \ \neg e_{2,3}} \lor t_{e_{1,2}, \ e_{1,3}} \lor t_{\neg e_{1,3}, \ e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \ \neg e_{2,3}} \lor t_{e_{1,2}, \ e_{1,3}} \lor e_{2,3}$$

821.
$$e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{3,5} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg e_{3,5} \lor e_{2,3}$$

822.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,2}, e_{1,3}} \lor e_{2,3}$$

823.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{3,5} \lor e_{2,3}$$

824.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{3,6} \lor e_{2,3}$$

825.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor \neg e_{2,6}$$

826.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor e_{2,3}$$

827.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,5} \vdash t_{e_{1,2}, \, e_{1,3}} \lor e_{2,5} \lor e_{2,3}$$

828.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{2,6}$$

829.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,3}$$

$$830. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

831.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3}$$

$$832. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,2},\, e_{1,3}} \vee t_{\neg e_{1,3},\, e_{2,3}} \vee t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \vee t_{\neg e_{1,2},\, \neg e_{1,3}} \vee e_{2,3}$$

$$833. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \vee t_{e_{1,5}, \, \neg e_{2,5}} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \vee t_{e_{1,5}, \, \neg e_{2,5}} \vee e_{2,3}$$

834.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor e_{1,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,5} \lor e_{2,3}$$

$$835. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,3}$$

836.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,6} \lor e_{2,3}$$

837.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

$$838. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,2},\, e_{1,3}} \vee t_{\neg e_{1,3},\, e_{2,3}} \vee t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \vee e_{2,3} \vee t_{e_{1,2},\, \neg e_{1,3}}$$

$$839. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{2,3}$$

$$840. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{2,3} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}$$

841.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor e_{1,2} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2}$$

842.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

$$843. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,2},\, e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}}$$

844.
$$e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$845. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

846.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$847. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{2,3}$$

848.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$849. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}}$$

$$850. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e$$

$$851. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,2},\, e_{1,3}} \vee t_{\neg e_{1,3},\, e_{2,3}} \vee e_{1,2} \vdash t_{e_{1,2},\, e_{1,3}} \vee e_{2,3} \vee e_{1,2}$$

$$852. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,3} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}$$

$$853. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$854. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2}, \, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$855. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

856.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3}$$

857.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$858. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \vee \neg t_{e_{1,3}, \, \neg e_{2,3}} \vee e_{1,3} \vdash \neg t_{e_{1,3}, \, \neg e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

859.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2}, \, e_{1,3}} \lor e_{2,3}$$

860.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}}$$

861.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash e_{1,3} \lor e_{2,3}$$

$$862. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{3,5} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{3,5}$$

$$863. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor e_{2,3}$$

864.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$865. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, e_{3,5} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash e_{3,5} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}} \vee \neg t_{e_{1,3}, \, \neg e_{2,3}}$$

$$866. \ \ e_{2,3} \lor \lnot t_{\lnot e_{1,3},\ e_{2,3}}, \lnot e_{2,3} \lor \lnot t_{e_{1,3},\ \lnot e_{2,3}} \lor e_{3,6} \vdash \lnot t_{\lnot e_{1,3},\ e_{2,3}} \lor \lnot t_{e_{1,3},\ \lnot e_{2,3}} \lor e_{3,6}$$

$$867. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \vee e_{1,3} \vee \neg e_{2,6} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \vee e_{1,3} \vee \neg e_{2,6}$$

$$868. \ e_{2,3} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \vee \neg t_{\neg e_{1,2}, \, e_{2,3}} \vee e_{1,3} \vdash \neg t_{\neg e_{1,2}, \, e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

869.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor \neg e_{2,5} \lor e_{1,3} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \lor e_{1,3}$$

870.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor e_{2,5} \lor e_{1,3} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,5} \lor e_{1,3}$$

$$871. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

872.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor e_{1,3} \lor e_{2,6} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

873.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3}$$

$$874. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

875.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3}$$

876.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3}$$

$$877. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

878.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \lor e_{1,3} \vdash \neg e_{1,5} \lor e_{1,3} \lor e_{2,3}$$

879.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{1,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash e_{1,5} \lor e_{1,3} \lor e_{2,3}$$

880.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash \neg e_{1,6} \lor e_{1,3} \lor e_{2,3}$$

881.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6} \lor e_{1,3} \vdash e_{1,6} \lor e_{1,3} \lor e_{2,3}$$

882.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$883. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

884.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash e_{1,3} \lor e_{2,3}$$

885.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor e_{1,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$886. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,3} \lor e_{1,3} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

887.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,3} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,3} \lor e_{2,3}$$

888.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{1,5} \lor \neg e_{2,3} \lor e_{1,3} \vdash e_{1,5} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3}$$

889.
$$e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

$$890. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{\neg e_{1,3}, \ e_{2,3}} \lor t_{\neg e_{1,2}, \ \neg e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, \ \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

891.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor e_{1,3} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$892. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{1,3}$$

893.
$$e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor e_{1,3} \lor e_{2,3}$$

894.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor e_{1,6} \lor e_{1,3} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6} \lor e_{1,3}$$

895.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3} \lor e_{2,3}$$

$$896. \ e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \vee t_{\neg e_{1,2},\, e_{2,3}} \vee e_{1,3} \vdash t_{\neg e_{1,2},\, e_{2,3}} \vee e_{1,3} \vee e_{2,3}$$

$$897. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor e_{1,3} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,3} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}}$$

898.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{2,6} \vdash e_{1,3} \lor e_{2,3} \lor e_{2,6}$$

899.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

900.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,3}$$

901.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

902.
$$e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

903.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{1,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,3}$$

$$904. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,6} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor e_{2,3}$$

905.
$$e_{2,3} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \vee \neg t_{e_{1,3},\, \neg e_{2,3}} \vee e_{1,6} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \vee e_{1,6} \vee e_{2,3}$$

906.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

907.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

$$908. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{\neg e_{1,3}, \ e_{2,3}} \lor \neg t_{e_{1,3}, \ \neg e_{2,3}} \lor e_{2,3} \vdash \neg t_{e_{1,3}, \ \neg e_{2,3}} \lor e_{2,3}$$

$$909. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \lor e_{2,3}$$

910.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

$$911. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{2,3}$$

$$912. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$913. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{\neg e_{1,3}, \ e_{2,3}} \lor \neg t_{e_{1,3}, \ \neg e_{2,3}} \lor t_{\neg e_{1,2}, \ e_{2,3}} \vdash \neg t_{e_{1,3}, \ \neg e_{2,3}} \lor t_{\neg e_{1,2}, \ e_{2,3}} \lor e_{2,3}$$

914.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,6} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,6} \lor e_{2,6}$$

$$915. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{\neg e_{1,3}, \ e_{2,3}} \lor \neg t_{e_{1,3}, \ \neg e_{2,3}} \lor t_{e_{1,2}, \ \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \ \neg e_{2,3}} \lor t_{e_{1,2}, \ \neg e_{2,3}} \lor e_{2,3}$$

916.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

917.
$$e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

918.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

919.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$920. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{\neg e_{1,3}, \ e_{2,3}} \lor t_{e_{1,2}, \ e_{2,3}} \lor \neg t_{e_{1,3}, \ \neg e_{2,3}} \vdash t_{e_{1,2}, \ e_{2,3}} \lor \neg t_{e_{1,3}, \ \neg e_{2,3}} \lor e_{2,3}$$

$$921. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor e_{1,3} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

922.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$923. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$924. \ \ e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \ e_{2,3}}, \lnot e_{2,3} \lor t_{\lnot e_{1,2}, \ e_{1,3}} \lor e_{1,3} \vdash t_{\lnot e_{1,2}, \ e_{1,3}} \lor \lnot t_{\lnot e_{1,3}, \ e_{2,3}} \lor e_{1,3}$$

925.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

926.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5} \lor e_{1,3} \vdash \neg e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

927.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash \neg e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

928.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

929.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6} \lor e_{1,3} \vdash e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

930.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash e_{1,3} \lor e_{2,3} \lor \neg e_{2,6}$$

931.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \lor e_{1,3} \vdash \neg e_{2,5} \lor e_{1,3} \lor e_{2,3}$$

932.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,5} \lor e_{1,3} \vdash e_{2,5} \lor e_{1,3} \lor e_{2,3}$$

933.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{2,6} \vdash e_{1,3} \lor e_{2,3} \lor e_{2,6}$$

934.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3} \lor e_{2,3}$$

935.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

936.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

937.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

938.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,3} \lor e_{2,3}$$

939.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{1,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash e_{1,5} \lor e_{1,3} \lor e_{2,3}$$

940.
$$e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

941.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{1,3} \lor e_{2,3}$$

942.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6} \lor e_{1,3} \vdash e_{1,6} \lor e_{1,3} \lor e_{2,3}$$

943.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

944.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

945.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

946.
$$e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,2},\, e_{1,3}} \lor \neg e_{2,3} \lor e_{1,3} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

947.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

948.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash e_{1,3} \lor e_{2,3}$$

949.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{1,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash e_{1,5} \lor e_{2,3} \lor e_{1,2}$$

950.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

951.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

952.
$$e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$953. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, e_{2,3}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

954.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,3}$$

955.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2}, \, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$956. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

957.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$958. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

959.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,3}$$

960.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,3}$$

961.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2}, \, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$962. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{\neg e_{1,3}, \ e_{2,3}} \lor t_{e_{1,2}, \ e_{2,3}} \lor \neg t_{e_{1,3}, \ \neg e_{2,3}} \vdash t_{e_{1,2}, \ e_{2,3}} \lor \neg t_{e_{1,3}, \ \neg e_{2,3}} \lor e_{2,3}$$

963.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,3} \lor e_{1,2}$$

964.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

965.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

966.
$$e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{2,3} \vdash e_{2,3}$$

967.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$968. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{\neg e_{1,3}, \ e_{2,3}} \lor \neg t_{e_{1,3}, \ \neg e_{2,3}} \lor e_{1,3} \vdash \neg t_{e_{1,3}, \ \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

969.
$$e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

970.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}}$$

971.
$$e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash e_{1,3} \lor e_{2,3}$$

972.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash e_{1,3} \lor e_{2,3}$$

973.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

$$974. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, \ e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{1,3}, \ e_{2,3}} \lor t_{e_{1,3}, \ e_{2,3}} \lor \neg e_{2,6}$$

975.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

976.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,5}$$

977.
$$e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{2,5} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{2,5}$$

$$978. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{2,3}$$

979.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, \, e_{2,3}} \lor e_{2,6} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \lor e_{2,6}$$

980.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,3}, e_{2,3}}$$

981.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$982. \ e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,3} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,3},\,$$

983.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

984.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

985.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{1,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

986.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,6} \lor t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

987.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{1,6} \lor e_{2,3}$$

988.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$989. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

990.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

991.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

992.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,3}$$

993.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{1,5} \lor \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash e_{1,5} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

994.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

995.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

996.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}}$$

997.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

998.
$$e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,6} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,6}$$

999.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

$$1000. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$1001. \ \ e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \, e_{2,3}}, \lnot e_{2,3} \lor t_{e_{1,3}, \, e_{2,3}} \lor \lnot t_{\lnot e_{1,6}, \, e_{2,6}} \vdash \lnot t_{\lnot e_{1,3}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \lor \lnot t_{\lnot e_{1,6}, \, e_{2,6}}$$

1002.
$$e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{2,6}$$

$$1003. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$1004. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$1005. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$1006. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}, t_{\neg e_{1,3}, \ e_{2,3}} \lor t_{e_{1,3}, \ e_{2,3}} \lor t_{e_{1,2}, \ \neg e_{2,3}} \vdash t_{e_{1,3}, \ e_{2,3}} \lor t_{e_{1,2}, \ \neg e_{2,3}} \lor e_{2,3}$$

$$1007. \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg e_{2,3} \lor t_{e_{1,3}, \, e_{2,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{$$

$$1008. \ \ e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor \lnot e_{2,3} \lor t_{e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \lnot t_{\lnot e_{1,3}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{e_$$

$$1009. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$1010. \ \ e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1011.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg e_{2,6} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1012. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$1013.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{$$

$$1014. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1015.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{1,6} \lor \neg e_{5,6} \lor \neg e_{2,6} \vdash \neg e_{1,6} \lor \neg e_{5,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1016.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,6},\, e_{2,6}} \lor \neg e_{2,6} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,6},\, e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,6$$

$$1017. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1018.\ t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,6}, t_{e_{1,5},\,e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\,\neg e_{2,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{2,5},\,\neg e_{2,6}}$$

$$1019.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, \neg e_{2,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \lor \neg t_$$

1020.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{1,6} \lor \neg e_{4,6} \lor \neg e_{2,6} \vdash \neg e_{1,6} \lor \neg e_{4,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1021. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor \neg t_{\neg e_{2,5},$$

$$1022. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1023. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}}$$

$$1024. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, \, e_{2,3}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}}$$

$$1025. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, e_{1,5} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor \neg e_{2,6} \vdash e_{1,5} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

1026.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, e_{5,6} \lor \neg e_{1,6} \lor \neg e_{2,6} \vdash e_{5,6} \lor \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1027. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor \neg e_{2,6} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$1028.\ t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

$$1029. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1030. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{2,5}, \neg e_{2,6}}$$

$$1031. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg t_{\neg e_{2,5}, \neg e_{2$$

$$1032. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, \, \neg e_{2,3} \lor \neg e_{2,6} \lor e_{1,2} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{1,2}$$

1033.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, e_{5,6} \lor e_{1,6} \lor \neg e_{2,6} \vdash e_{5,6} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1034. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,$$

1035.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{4,6} \lor e_{1,6} \lor \neg e_{2,6} \vdash \neg e_{4,6} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1036. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{$$

1037.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{1,6} \lor e_{4,6} \lor \neg e_{2,6} \vdash \neg e_{1,6} \lor e_{4,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1038. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1039. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,6},$$

$$1040.\ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1041.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{1,2} \lor e_{2,3} \lor \neg e_{2,6} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

1042.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, e_{2,3} \lor \neg e_{2,6} \lor e_{1,2} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

1043.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}}$$

$$1044. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e$$

1045.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{5,6} \lor e_{1,6} \lor \neg e_{2,6} \vdash \neg e_{5,6} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1046.\ t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

1047.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, e_{4,6} \lor e_{1,6} \lor \neg e_{2,6} \vdash e_{4,6} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1048.\ t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,6}, \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{e$$

$$1049.\ t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,6}, t_{e_{1,6},\,\neg e_{2,6}} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6} \vdash t_{e_{1,6},\,\neg e_{2,6}} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

1050.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_{2,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1051. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$1052. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$1053. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \lor e_{1,2} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1054. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1055. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, \neg e_{1,2} \lor t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{2,6} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$1056.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2},\, e_{1,3}} \lor \neg e_{2,6} \lor e_{1,2} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,2}$$

$$1057. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1058. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1059. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, e_{2,3} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}}$$

$$1060.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, \neg t_{\neg e_{1,2},\, e_{2,3}} \lor \neg e_{2,6} \lor e_{1,2} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,2}$$

$$1061. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor e_{2,3} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$1062. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1063. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, \neg e_{1,2} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg e_{2,6} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$1064.\ t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,2},\,e_{1,3}} \lor \neg e_{2,6} \lor e_{1,2} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{1,2}$$

$$1065. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1066. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1067. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor e_{1,2} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1068.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,3}$$

$$1069.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \lor e_{1,2} \vdash \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,2}$$

$$1070. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,$$

$$1071. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1$$

$$1072. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{$$

$$1073.\ t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,2},\,\neg e_{1,3$$

$$1074. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, e_{1,5} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \vdash e_{1,5} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1075. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, \neg e_{5,6} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{5,6} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$1076.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, \neg e_{4,6} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{4,6} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

1077.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, e_{5,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash e_{5,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1078.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, e_{4,6} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,6} \vdash e_{4,6} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$1079.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{e_{2,5},\, \neg e_{2,6}}$$

$$1080.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, \neg e_{1,2} \lor \neg e_{2,6} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1081. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{2,6} \lor e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1082. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1083.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg e_{2,6} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{$$

$$1084. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{5,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1085. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{4,6} \lor \neg e_{2,6} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1086.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, e_{5,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor \neg e_{2,6} \vdash e_{5,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$1087. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,6}, \, e_{2,6}} \lor e_{4,6} \lor \neg e_{2,6} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor e_{4,6} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$1088. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{5,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \vdash \neg e_{5,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1089.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{4,6} \lor \neg e_{2,6} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1090.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, e_{5,6} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \vdash e_{5,6} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$1091. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, e_{4,6} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor \neg e_{2,6} \vdash e_{4,6} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

1092.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{5,6} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{5,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$1093. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, \neg e_{4,6} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{4,6} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}}$$

$$1094. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, e_{5,6} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg e_{2,6} \vdash e_{5,6} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}}$$

1095.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, e_{4,6} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash e_{4,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

1096.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{5,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{5,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1097.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{4,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{4,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1098.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, e_{5,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash e_{5,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1099.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, e_{4,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash e_{4,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1100.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1101.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$1102. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1103.\ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1104. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1105. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1106.\ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1107.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$1108.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

1109.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$1110. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$1111. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_$$

1112.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$1113. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1114.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1115.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{2,6} \lor e_{1,2} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2} \lor \neg t_{e_{2,5}, \neg e_{2,6}}$$

$$1116.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,3}$$

$$1117. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor e_{1,2} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

1118.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,6} \lor e_{1,2} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

1119.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1120. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, \neg e_$$

$$1121. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,$$

1122.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

1123.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1124.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{5,6} \lor \neg e_{2,6} \lor e_{1,2} \vdash \neg e_{5,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

1125.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{4,6} \lor \neg e_{2,6} \lor e_{1,2} \vdash \neg e_{4,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

1126.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, e_{5,6} \lor \neg e_{2,6} \lor e_{1,2} \vdash e_{5,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

1127.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, e_{4,6} \lor \neg e_{2,6} \lor e_{1,2} \vdash e_{4,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

1128.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \lor e_{1,2} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1129.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,2},\, e_{2,3}} \lor \neg e_{2,6} \lor e_{1,2} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,2}$$

$$1130.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, \neg e_{5,6} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{5,6} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

1131.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, e_{2,3}} \lor \neg e_{4,6} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{2,3}} \lor \neg e_{4,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1132. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, e_{5,6} \lor t_{e_{1,2}, \, e_{2,3}} \lor \neg e_{2,6} \vdash e_{5,6} \lor t_{e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$1133.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, e_{4,6} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg e_{2,6} \vdash e_{4,6} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

1134.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1135. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

1136.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1137. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1138.\ t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor \tau_{\neg e_{1,2},\,e_{2,3}} \lor \tau_{\neg$$

1139.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1140.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

1141.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,6} \lor e_{1,2} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1142. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,$$

1143.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1144. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$1145. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1146. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1147. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, \neg e_{1,2} \lor t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{2,6} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

1148.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \lor e_{1,2} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

1149.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1150.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1151.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1152.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$1153.\ t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{2,2},\,\neg e_{2,2}} \lor$$

$$1154. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_$$

1155.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{2,3} \lor e_{1,3} \lor \neg e_{2,6} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3}$$

$$1156. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, e_{1,3} \lor e_{2,3} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1157.\ t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash t_{e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{1,3}$$

1158.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3}$$

$$1159.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$1160.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

1161.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, e_{1,3} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1162.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, e_{1,3} \lor \neg e_{2,6} \lor e_{1,2} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3} \lor e_{1,2}$$

1163.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{1,2} \lor e_{1,3} \lor \neg e_{2,6} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3}$$

1164.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, e_{1,3} \lor \neg e_{2,6} \lor e_{1,2} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3} \lor e_{1,2}$$

1165.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3}$$

1166.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3}$$

$$1167. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

1168.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3}$$

1169.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3}$$

1170.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3}$$

$$1171. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1172. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

1173.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1174. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1175. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1176. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1177.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1178. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1179.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1180.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3}$$

1181.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1182.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1183.\ t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,6}, t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

$$1184.\ t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,6}, \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg e_{2,6} \lor \neg e_{2$$

1185.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$1186.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2},\, e_{1,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,3}$$

$$1187. \ t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}, \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

$$1188.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,3}$$

1189.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, e_{2,3} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1190.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$1191. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}$$

1192.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, e_{2,3} \lor \neg e_{2,6} \lor e_{1,2} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1193. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,2}, e_{2,3}} \lor t_{\neg$$

$$1194.\ t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,3},\, \neg e_{2,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,3}$$

1195.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

1196.
$$t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3}$$

1197.
$$t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,6}, e_{1,3} \lor e_{2,3} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1198. \ t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}, \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1199. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

1200.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,3} \lor \neg e_{1,5} \lor e_{1,2} \vdash \neg e_{1,3} \lor e_{1,2} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1201. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1$$

$$1202. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, e_{4,5} \lor \neg e_{1,5} \lor e_{2,5} \vdash e_{4,5} \lor e_{2,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$1203. \ e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

1204.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg e_{1,5} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1205. \ e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

1206.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{1,2} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1207. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg$$

$$1208. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg$$

$$1209. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1210. \ \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5$$

$$1211. \ e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_$$

1212.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg e_{4,5} \vdash \neg e_{2,5} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1213. \ \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_$$

1214.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor \neg e_{1,5} \lor \neg e_{2,5} \vdash e_{5,6} \lor \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

1215.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor \neg e_{1,5} \lor e_{2,5} \vdash e_{5,6} \lor e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1216. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

1217.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor \neg e_{1,5} \lor e_{2,5} \vdash \neg e_{5,6} \lor e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

1218.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,2} \lor \neg e_{1,5} \lor e_{1,3} \vdash \neg e_{1,2} \lor e_{1,3} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1219. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$1220. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor e_{2,6} \vdash t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor e_{2,6}$$

1221.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor \neg e_{1,5} \lor \neg e_{2,5} \vdash \neg e_{5,6} \lor \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1222. \ e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5$$

$$1223. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}} \vdash t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}}$$

$$1224. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1225. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1226. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, t_{e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1227. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, t_{e_{1,5}, \, e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, e$$

$$1228. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

1229.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg e_{4,5} \vdash e_{2,5} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1230. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{4,5} \lor \neg e_{2,5} \vdash e_{4,5} \lor \neg e_{2,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$1231. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$1232. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, t_{e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1233. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, t_{\neg e_{1,6},\, e_{2,6}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1234. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,5},$$

$$1235. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{e_{1,6}, \, e_{2,6}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$1236. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1$$

$$1237. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg$$

$$1238. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{1,5} \vdash \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1239. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{1,5} \lor e_{1,3} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1240. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2},\, e_{2,3}} \lor e_{1,2} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

1241.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,2} \lor \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1242. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1243. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg e_{4,5} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

1244.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash e_{5,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1245. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{5,6} \lor \neg e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1246. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor \neg e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash e_{4,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

1247.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \lor e_{1,2} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1248. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,2} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{1,5} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1249. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{1,5} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$1250. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,3} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$1251. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{2,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1252. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,3} \lor \neg e_{1,5} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1253. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1254. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,2} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$1255. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,2} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1256. \ e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1257. \ e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

1258.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg e_{4,5} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

1259.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \vdash e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1260. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg e_{1,5} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{5,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

1261.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,5} \lor \neg e_{1,5} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1262. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,2} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

1263.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,2} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1264. \ \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$1265. \ e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

1266.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,2} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1267. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,2} \lor \neg e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$1268. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1269. \ \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$1270. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{1,5} \lor \neg e_{4,5} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

1271.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \vdash e_{5,6} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1272. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{5,6} \lor \neg e_{1,5} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{5,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

1273.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, t_{e_{1,2}, e_{1,3}} \lor e_{4,5} \lor \neg e_{1,5} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

1274.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg e_{4,5} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1275. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{5,6} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{5,6} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1276. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{5,6} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

1277.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash e_{4,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1278. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1279. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{2,6} \vdash t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{2,6}$$

$$1280. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{1,5} \vdash \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

1281.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \lor e_{1,3} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1282. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1283. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$1284. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$1285. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,3} \lor \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

1286.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor t_{\neg e_{1,5}, e_{2,5}}$$

1287.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1288. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1289. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1290. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,5} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1291. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,2} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

1292.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{1,2} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1293. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,5} \lor e_{1,3} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1294. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1295. \ \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{1,5} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1296. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1297. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1298. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1299. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor e_{1,3} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

1300.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

1301.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1302. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1303. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1304.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor \neg e_{4,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1305. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{5,6} \lor \neg e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1306. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{5,6} \lor \neg e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1307.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1308.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{1,2} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1309. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,2} \lor \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1310. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1311. \ e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1312. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1313. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1314. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

1315.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1316. \ \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg e_{4,5} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

1317.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \vdash e_{5,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

1318.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \vdash \neg e_{5,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1319. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{4,5} \lor \neg e_{1,5} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1320. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,2} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,2} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1321. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,2} \lor \neg e_{1,5} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1322. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1323. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{1,5} \lor e_{1,3} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1324. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

1325.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1326. \ \ e_{1,5} \lor t_{\lnot e_{1,5}, \, e_{2,5}}, \lnot e_{1,5} \lor e_{1,3} \lor t_{e_{1,2}, \, \lnot e_{1,3}} \vdash e_{1,3} \lor t_{\lnot e_{1,5}, \, e_{2,5}} \lor t_{e_{1,2}, \, \lnot e_{1,3}}$$

$$1327. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{1,5} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$1328. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5},$$

$$1329. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,5} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1330. \ e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

1331.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{1,3} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1332. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,3} \lor \neg e_{1,5} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1333. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

1334.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

1335.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1336. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,5}} \lor t_{\neg e_{1,5},\, e_$$

$$1337. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1338. \ e_{1,5} \vee t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \vee t_{e_{1,2},\, e_{2,3}} \vee t_{e_{1,3},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \vee t_{e_{1,3},\, e_{2,3}} \vee t_{\neg e_{1,5},\, e_{2,5}}$$

$$1339. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,5},$$

1340.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor e_{2,3} \lor e_{1,2} \vdash e_{2,3} \lor e_{1,2} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1341. \ e_{1,5} \lor t_{\lnot e_{1,5},\, e_{2,5}}, \lnot e_{1,2} \lor \lnot e_{1,5} \lor e_{2,3} \vdash \lnot e_{1,2} \lor e_{2,3} \lor t_{\lnot e_{1,5},\, e_{2,5}}$$

1342.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{1,5} \lor e_{2,3} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,3} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1343. \ \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$1344. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,3} \lor \neg e_{1,5} \lor e_{2,3} \vdash \neg e_{1,3} \lor e_{2,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

1345.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor e_{1,3} \lor e_{2,3} \vdash e_{1,3} \lor e_{2,3} \lor t_{\neg e_{1,5}, e_{2,5}}$$

1346.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor t_{\neg e_{1,5}, e_{2,5}}$$

1347.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3} \lor t_{\neg e_{1,5}, e_{2,5}}$$

1348.
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{2,3} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1349. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1350. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,5} \lor e_{2,3} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1351. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor e_{2,3} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1352. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, e_{2,3}} \lor e_{2,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

1353.
$$e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{1,3} \lor e_{2,3} \vdash e_{1,3} \lor e_{2,3} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$1354. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor e_{2,3} \vdash \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor e_{2,3} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$1355. \ \ e_{1,5} \lor t_{\lnot e_{1,5}, \, e_{2,5}}, \lnot e_{1,5} \lor t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3} \lor t_{\lnot e_{1,5}, \, e_{2,5}}$$

1356.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,5} \lor e_{1,2} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2}$$

$$1357. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

1358.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor e_{1,3}$$

1359.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,3}$$

$$1360. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,3}$$

$$1361. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,3}$$

$$1362. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{1,3} \lor \neg e_{2,6}$$

1363.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg e_{1,5} \vdash \neg e_{1,2} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$1364. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\, e_{1,6}} \lor e_{1,3}$$

1365.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg e_{3,5} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{3,5}$$

$$1366. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3$$

$$1367. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}$$

1368.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{1,6} \lor e_{1,2} \vdash e_{1,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2}$$

$$1369. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$1370. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}$$

1371.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash e_{1,3}$$

$$1372. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}$$

$$1373. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1374. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,3},\, e_{$$

$$1375. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,3}$$

$$1376. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{1,6}} \lor t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{e_{1,4},\, e_{2,4}} \lor e_{1,3}$$

$$1377. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor \neg e_{2,3} \vdash \neg e_{3,6} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1378. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,3}$$

1379.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{1,5} \lor e_{1,2} \vdash e_{1,5} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2}$$

$$1380. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,3}$$

1381.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor e_{1,2} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2}$$

$$1382. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor e_{1,3}$$

$$1383. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{$$

$$1384. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{2,4} \vdash t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,3} \lor e_{2,4}$$

$$1385. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor$$

1386.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3} \lor \neg e_{2,6}$$

$$1387. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{e_{1,5},\, e_{1,6}} \lor e_{1,3}$$

$$1388. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor e_{1,3}$$

1389.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,3}$$

$$1390. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,3}$$

$$1391. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor e_{1,3}$$

1392.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor e_{2,3} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3}$$

1393.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

1394.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, e_{2,6}} \lor e_{2,6} \vdash \neg t_{e_{1,6}, e_{2,6}} \lor e_{1,3} \lor e_{2,6}$$

$$1395. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor e_{1,3}$$

$$1396. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1397.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,3}$$

$$1398. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$1399. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5} \vdash \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor e_{1,3}$$

$$1400. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor e_{1,3}$$

1401.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor \neg e_{2,3} \vdash e_{3,5} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

1402.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,5} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{3,5} \lor e_{2,3}$$

$$1403. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2}$$

$$1404. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \lor e_{1,3}$$

$$1405. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_$$

1406.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor e_{1,3}$$

$$1407. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,5},\, e_{1,6}} \lor e_{1,3}$$

1408.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor e_{1,5} \lor \neg e_{1,3} \vdash \neg e_{1,2} \lor e_{1,5} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

1409.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,3} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

$$1410. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_$$

1411.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$1412. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3},\, \neg e$$

1413.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{2,3} \lor e_{3,6} \vdash \neg e_{2,3} \lor e_{3,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$1414. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,3}$$

$$1415. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, e_{1,3}} \lor e_{1,2} \vdash \neg t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1416. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{$$

$$1417. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \lor e_{1,3}$$

$$1418. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$1419. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_$$

$$1420. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$1421. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{$$

$$1422. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \lor e_{1,3}$$

1423.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{3,6} \lor e_{2,3} \vdash e_{3,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3}$$

$$1424. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \lor e_{2,4} \vdash t_{e_{1,5},\, e_{1,6}} \lor e_{1,3} \lor e_{2,4}$$

$$1425. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

1426.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor e_{2,3} \vdash e_{3,5} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3}$$

$$1427. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_$$

1428.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg e_{1,6} \vdash \neg e_{1,2} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$1429. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{$$

1430.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor e_{1,6} \vdash \neg e_{1,2} \lor e_{1,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$1431. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,3}$$

$$1432. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, e_{1,6}} \lor e_{1,6} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor e_{1,3}$$

1433.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$1434. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_$$

$$1435. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,3}$$

1436.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1437.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$1438. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{2,4} \vdash t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,3} \lor e_{2,4}$$

1439.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor e_{2,4} \vdash t_{e_{1,5}, e_{1,6}} \lor e_{1,3} \lor e_{2,4}$$

1440.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

$$1441. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,5} \vdash t_{e_{1,4},\, e_{2,4}} \lor e_{2,5} \lor e_{1,3}$$

$$1442. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1443.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1444. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

1445.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

$$1446. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{1,5} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

1447.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$1448. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1449. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,6} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1450. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,6} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1451. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor e_{1,3} \lor e_{1,2}$$

1452.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

$$1453. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{1,3}$$

$$1454. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor r_{e_{1,6},\, \neg e_{$$

$$1455. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{2,5} \lor e_{1,3}$$

$$1456. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{1,4}, \cdots e_{1,4} \lor e_{1,4}, \cdots$$

1457.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1458. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{2,6}$$

$$1459. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,2}$$

1460.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$1461. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$1462. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$1463. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

1464.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,2} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3} \lor e_{1,2}$$

$$1465. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$1466. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

1467.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2}$$

$$1468. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor$$

$$1469. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$1470. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,3}$$

$$1471. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

1472.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,6}$$

$$1473. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{1,3} \lor e_{2,6} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1474.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,6} \vdash e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$1475. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,6} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor e_{1,6} \lor e_{1,3}$$

1476.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3} \lor e_{2,6}$$

$$1477. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor e_{2,6} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3} \lor e_{2,6}$$

$$1478. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash e_{1,3} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}}$$

1479.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,6} \lor e_{1,3}$$

$$1480. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,6} \lor e_{1,3}$$

1481.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,6} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,6} \lor e_{1,3}$$

$$1482. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,2},\, e_{2,3}} \lor e_{1,6} \lor e_{1,3}$$

$$1483. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1484. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor e_{2,3} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1485.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{2,5} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1486. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,6} \vdash e_{2,6} \lor e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

1487.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{3,5} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{3,5}$$

$$1488. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1489. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

1490.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash e_{3,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$1491. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{3,6} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{3,6} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1492. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

1493.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{2,5} \lor e_{1,3}$$

1494.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \lor \neg e_{3,5} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{3,5}$$

$$1495. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg e_{3,6} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg e_{3,6} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1496. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

1497.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \lor e_{3,5} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{3,5} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$1498. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \lor e_{3,6} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{3,6} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1499. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

$$1500. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3}$$

$$1501. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor e_{1,3}$$

$$1502. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{1,4}, v_{e_{1,4},\, \neg e_{1,4}} \lor e_{1,4}, v_{e_{1,4},\,$$

$$1503. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{1,3}$$

1504.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,6} \lor \neg e_{5,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor \neg e_{5,6} \lor e_{1,3}$$

$$1505. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,6},\, e_{2,6}} \lor e_{1,3}$$

$$1506. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$1507. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{1,5},\, e_{2,5}} \lor e_{1,3} \lor \neg t_{e_{2,5},\, \neg e_{2,6}}$$

$$1508. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \lor \neg t_$$

1509.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{4,6} \vdash \neg e_{1,6} \lor \neg e_{4,6} \lor e_{1,3}$$

$$1510. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \lor e_{1,5} \lor$$

$$1511. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \lor e_{1,5} \lor e_{1$$

$$1512. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \lor e_{1,4} \lor e_{1,4}$$

$$1513. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor e_{1,3}$$

$$1514. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{5,6} \lor \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash e_{5,6} \lor \neg e_{1,6} \lor e_{1,3}$$

$$1515. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor e_{1,3}$$

$$1516. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \lor e_{1,3}$$

$$1517. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{1,3}$$

$$1518. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \lor e_{1,5} \lor e_$$

$$1519. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor e_{1,3} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \lor e_{1,5} \lor e_{1$$

$$1520. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \vdash \neg e_{2,3} \lor e_{1,3} \lor e_{1,2}$$

1521.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{5,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \vdash e_{5,6} \lor e_{1,6} \lor e_{1,3}$$

$$1522. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

1523.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{4,6} \lor e_{1,6} \vdash \neg e_{4,6} \lor e_{1,6} \lor e_{1,3}$$

$$1524. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

1525.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,6} \lor e_{4,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor e_{4,6} \lor e_{1,3}$$

$$1526. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor e_{1,3}$$

$$1527. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{1,3} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{1,3} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{1,4} \lor$$

$$1528. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$1529. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor e_{1,3} \lor e_{2,3}$$

1530.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

$$1531. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$1532. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

1533.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{5,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \vdash \neg e_{5,6} \lor e_{1,6} \lor e_{1,3}$$

$$1534. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{1,3}$$

1535.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{4,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \vdash e_{4,6} \lor e_{1,6} \lor e_{1,3}$$

$$1536. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,4}, t_{e_{1,2},\, \neg e_{1$$

$$1537. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3}$$

$$1538. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,3}$$

1539.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1540. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

1541.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1542. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$1543. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

1544.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{1,2}$$

1545.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$1546. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{2,5} \lor e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

1547.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,6} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,3} \lor e_{2,6}$$

1548.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1549. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$1550. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

1551.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,5} \lor e_{1,3}$$

$$1552. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{2,5} \vdash t_{e_{1,2},\, e_{2,3}} \lor e_{2,5} \lor e_{1,3}$$

$$1553. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{2,5} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1554.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{2,5} \lor e_{1,3}$$

1555.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{2,5}} \lor e_{1,2} \vdash t_{e_{1,5}, e_{2,5}} \lor e_{1,3} \lor e_{1,2}$$

$$1556. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3} \lor e_{2,6}$$

1557.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1558.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1559. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{2,5} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{2,5} \lor e_{1,3}$$

1560.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{2,5} \lor e_{1,3} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1561. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1562. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$1563. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$1564. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,6}$$

1565.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,6}, e_{2,6}} \lor e_{1,2} \vdash t_{e_{1,6}, e_{2,6}} \lor e_{1,3} \lor e_{1,2}$$

$$1566. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor \neg e_{3,5} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{3,5}$$

$$1567. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$1568. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1569. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$1570. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

1571.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash e_{3,5} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$1572. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{3,6} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{3,6} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1573. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

1574.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

1575.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{2,6} \vdash e_{1,3} \lor e_{2,3} \lor e_{2,6}$$

1576.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

1577.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor e_{2,3} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3}$$

1578.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,3} \lor e_{2,3}$$

$$1579. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,3} \lor e_{2,3}$$

$$1580. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

1581.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \lor e_{2,3} \vdash e_{1,6} \lor e_{1,3} \lor e_{2,3}$$

1582.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

1583.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{1,3} \lor e_{2,3} \lor \neg t_{e_{2,5}, \neg e_{2,6}}$$

1584.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1585. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor e_{2,3} \vdash \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor e_{1,3} \lor e_{2,3}$$

$$1586. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

1587.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

$$1588. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{1,3} \lor e_{2,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1589. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor e_{1,3} \lor e_{2,6}$$

$$1590. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,2}} \lor t_{e_{1,2},\, \neg e_{1,2}} \lor t_{e_{$$

$$1591. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

$$1592. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$1593. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

$$1594. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,6} \vdash \neg e_{1,2} \lor e_{1,3} \lor \neg e_{2,6}$$

$$1595. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

$$1596. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

1597.
$$\neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{3,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \vdash e_{1,3} \lor e_{3,5}$$

1598.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \lor e_{2,6} \vdash e_{1,3} \lor e_{1,2} \lor e_{2,6}$$

$$1599. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$1600. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

1601.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{3,5} \lor e_{1,3} \vdash e_{1,3} \lor \neg e_{3,5}$$

$$1602. \ \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

1603.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \lor e_{1,2} \vdash e_{2,5} \lor e_{1,3} \lor e_{1,2}$$

$$1604. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

1605.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \lor e_{1,2} \vdash e_{1,3} \lor \neg e_{2,6} \lor e_{1,2}$$

1606.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{3,6} \lor e_{1,3} \vdash e_{1,3} \lor e_{3,6}$$

$$1607. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,4}, \neg e_{1,4}, \neg$$

$$1608. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

1609.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1610. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,5} \vdash \neg e_{1,2} \lor \neg e_{2,5} \lor e_{1,3}$$

$$1611. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$1612. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

1613.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \vdash \neg e_{1,2} \lor e_{2,5} \lor e_{1,3}$$

1614.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{3,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg e_{3,6} \lor e_{1,3}$$

$$1615. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$1616. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

1617.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,6} \vdash \neg e_{1,2} \lor e_{1,3} \lor e_{2,6}$$

$$1618. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$1619. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,5} \lor e_{1,2} \vdash \neg e_{2,5} \lor e_{1,3} \lor e_{1,2}$$

$$1620. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6}$$

$$1621. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,5} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,5} \lor e_{1,3}$$

1622.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,5} \lor e_{1,3}$$

$$1623. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

$$1624. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,2} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3}$$

$$1625. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,2} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3} \lor e_{1,2}$$

$$1626. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3}$$

$$1627. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1628. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{1,3} \lor e_{1,2} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1629.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1630. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg e_{3,5} \vdash t_{e_{1,2},\, e_{2,3}} \lor \neg e_{3,5} \lor e_{1,3}$$

1631.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{3,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$1632. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{3,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash e_{3,5} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$1633. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{3,6} \vdash t_{e_{1,2},\, e_{2,3}} \lor e_{3,6} \lor e_{1,3}$$

$$1634. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

1635.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1636. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

1637.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5} \lor e_{1,3}$$

1638.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{3,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$1639. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{3,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$1640. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{3,6} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor e_{3,6} \lor e_{1,3}$$

1641.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,6} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,3} \lor e_{2,6}$$

1642.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1643. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,5} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,5} \lor e_{1,3}$$

$$1644. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,5} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1645. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$1646. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1647. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1648. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,6} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,6} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

1649.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

$$1650. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{1,3} \lor e_{1,2}$$

1651.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,2} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3} \lor e_{1,2}$$

$$1652. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_$$

$$1653. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}$$

1654.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \lor e_{2,6} \vdash e_{1,3} \lor e_{1,2} \lor e_{2,6}$$

1655.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \lor e_{1,2} \vdash e_{2,5} \lor e_{1,3} \lor e_{1,2}$$

1656.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,3}$$

$$1657. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,2} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3} \lor e_{1,2}$$

1658.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1659. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{1,3} \lor e_{1,2}$$

$$1660. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$1661. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

1662.
$$\neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,5} \lor e_{1,2} \vdash e_{2,5} \lor e_{1,3} \lor e_{1,2}$$

1663.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3}$$

$$1664. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

1665.
$$\neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

$$1666. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1667. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor \neg e_{2,6}$$

1668.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1669. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg e_{2,5} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg e_{2,5} \lor e_{1,3}$$

$$1670. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{2,5} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{2,5} \lor e_{1,3}$$

$$1671. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{2,6} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{2,6}$$

$$1672. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$1673. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1674. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

1675.
$$\neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \lor e_{2,6} \vdash e_{1,3} \lor e_{1,2} \lor e_{2,6}$$

1676.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,6} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{1,3} \lor e_{2,6}$$

1677.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

$$1678. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$1679. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$1680. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$1681. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3} \lor e_{1,2}$$

$$1682. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

$$1683. \ \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$1684. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,2}$$

$$1685. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,2} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,\neg e_{2,5}}$$

$$1686. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$1687. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,3}$$

$$1688. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, \neg$$

$$1689. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor e_{1,3}$$

$$1690. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,5} \vdash e_{1,5} \lor e_{2,5} \lor e_{1,3}$$

1691.
$$\neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \vdash e_{1,5} \lor e_{1,3} \lor e_{2,6}$$

1692.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,6} \vdash e_{1,5} \lor e_{1,3} \lor e_{2,6}$$

$$1693. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,$$

$$1694. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash e_{1,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$1695. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,5} \lor e_{1,3}$$

1696.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

$$1697. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash e_{1,5} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

1698.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,3}$$

$$1699. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor e_{2,6} \vdash t_{\neg e_{1,4},\, \neg e_{2,4}} \lor e_{1,3} \lor e_{2,6}$$

$$1700. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{2,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor e_{1,3}$$

1701.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{2,5} \lor e_{1,3}$$

$$1702. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

1703.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$1704. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{3,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg e_{3,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$1705. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{3,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

1706.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{3,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{3,5} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$1707. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{3,6} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash e_{3,6} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$1708. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_$$

$$1709. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_$$

1710.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{3,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{3,5} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1711.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{3,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{3,6} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1712. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{3,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{3,5} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1713.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{3,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{3,6} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1714. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash e_{2,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor e_{1,3}$$

$$1715. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1716. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2}$$

$$1717. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,3}$$

$$1718. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

1719.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$1720. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor$$

$$1721. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$1722. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{4,6} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$1723. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash e_{5,6} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$1724. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{4,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash e_{4,6} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$1725. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}$$

$$1726. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,2} \lor t_{\neg e_{1,5},\,e_{2,5}} \vdash e_{1,3} \lor e_{1,2} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$1727. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{2,6} \vdash e_{2,6} \lor e_{1,3} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$$

$$1728. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1729. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$1730. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

1731.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \lor e_{1,2} \vdash e_{2,5} \lor e_{1,3} \lor e_{1,2}$$

1732.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor e_{1,3}$$

1733.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{1,2}$$

1734.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$1735. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

1736.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{1,2} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{1,3} \lor e_{1,2}$$

$$1737. \ \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$1738. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

1739.
$$\neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \lor e_{2,5} \vdash e_{2,5} \lor e_{1,3} \lor e_{2,6}$$

1740.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{2,5} \lor e_{1,3} \lor \neg t_{e_{2,5}, \neg e_{2,6}}$$

$$1741. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,3}$$

$$1742. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,3} \lor e_{1,2}$$

$$1743. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,3}$$

$$1744. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,3}$$

1745.
$$\neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,5} \lor e_{1,2} \vdash e_{2,5} \lor e_{1,3} \lor e_{1,2}$$

1746.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{3,5} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1747.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1748. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_$$

1749.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{3,5} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1750. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{3,6} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{3,6} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1751.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg$$

$$1752. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1753.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1754. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1755. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{1,3$$

1756.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{2,5} \lor e_{1,3} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

1757.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1758. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{1,3} \lor e_{2,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1759. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1760. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1761. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1762. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1763.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

1764.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1765. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1766. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

1767.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

$$1768. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor e_{1,2} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2}$$

$$1769. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,3}$$

$$1770. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \lor e_{1,3}$$

$$1771. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1772. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg$$

1773.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{5,6} \lor e_{1,3}$$

$$1774. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{4,6} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg e_{4,6} \lor e_{1,3}$$

$$1775. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{5,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash e_{5,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor e_{1,3}$$

$$1776. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,6},\, e_{2,6}} \lor e_{4,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor e_{4,6} \lor e_{1,3}$$

$$1777. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor$$

$$1778. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,2} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2}$$

$$1779. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,3}$$

$$1780. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{e_{1,5},\, \neg e_{1,6}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3}$$

$$1781. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,2} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1782. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1783. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{1,6} \vdash \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{1,6} \lor e_{1,3}$$

1784.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \lor e_{1,2} \vdash e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

1785.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \lor e_{2,6} \vdash e_{1,6} \lor e_{1,3} \lor e_{2,6}$$

1786.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{5,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3}$$

$$1787. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg e_{4,6} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg e_{4,6} \lor e_{1,3}$$

$$1788. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \vdash e_{5,6} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3}$$

$$1789. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{4,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \vdash e_{4,6} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3}$$

$$1790. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,6} \vdash \neg e_{1,2} \lor e_{1,6} \lor e_{1,3}$$

1791.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \lor e_{1,2} \vdash e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

$$1792. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,6} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,6} \lor e_{1,3}$$

$$1793. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}$$

1794.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,6} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,6} \lor e_{1,3}$$

$$1795. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,2}$$

$$1796. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$1797. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$1798. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$1799. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_$$

$$1800. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

1801.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{4,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$1802. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash e_{5,6} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

1803.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{4,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{4,6} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$1804. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_$$

$$1805. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash e_{1,3} \lor e_{1,2} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$1806. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{1,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor e_{1,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor e_{1,4} \lor$$

$$1807. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor e_{1,4} \lor e_{1$$

1808.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \lor e_{2,6} \vdash e_{1,3} \lor e_{1,2} \lor e_{2,6}$$

1809.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \lor e_{2,6} \vdash e_{1,6} \lor e_{1,3} \lor e_{2,6}$$

1810.
$$\neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor e_{2,5} \lor e_{2,6} \vdash e_{2,5} \lor e_{1,3} \lor e_{2,6}$$

1811.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor e_{2,6} \vdash \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor e_{1,3} \lor e_{2,6}$$

1812.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

1813.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,3} \lor e_{1,2} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

$$1814. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor e_{1,4}, t_{e_{1,4},\, e_{1,4}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{1,4}, t_{e_{2,4},\, e_{2,4}} \lor e_{1,4}, t_$$

$$1815. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor$$

1816.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{1,2} \lor e_{2,6} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \lor e_{2,6}$$

1817.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{2,6} \vdash \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{1,3} \lor e_{2,6}$$

1818.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor e_{2,6} \vdash \neg t_{e_{1,5}, \neg e_{1,6}} \lor e_{1,3} \lor e_{2,6}$$

1819.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor e_{2,6} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,6}$$

$$1820. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6}$$

$$1821. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \vdash \neg e_{5,6} \lor e_{1,3} \lor e_{2,6}$$

$$1822. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{4,6} \lor e_{2,6} \vdash \neg e_{4,6} \lor e_{1,3} \lor e_{2,6}$$

$$1823. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \vdash e_{5,6} \lor e_{1,3} \lor e_{2,6}$$

1824.
$$\neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{4,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \vdash e_{4,6} \lor e_{1,3} \lor e_{2,6}$$

$$1825. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{2,6} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6}$$

$$1826. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2}$$

$$1827. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,3}$$

$$1828. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,5},\, \neg e_{1,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$1829. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1830. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_$$

$$1831. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{5,6} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

1832.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{4,6} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{4,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

1833.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{5,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash e_{5,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1834. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{4,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash e_{4,6} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$1835. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1836. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{1,5} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

1837.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$1838. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1839. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

1840.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$1841. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$1842. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor$$

$$1843. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

1844.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1845.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1846. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$1847. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$1848. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3}$$

$$1849. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6}$$

$$1850. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{2,5} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{2,5} \lor e_{1,3}$$

1851.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,5} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,5} \lor e_{1,3}$$

1852.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,6} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

$$1853. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3}$$

$$1854. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2}$$

$$1855. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$1856. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$1857. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, \neg$$

$$1858. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$1859. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor$$

$$1860. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$1861. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,3}$$

$$1862. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1863. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1864. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

1865.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6} \lor e_{1,3}$$

$$1866. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e$$

$$1867. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \lor e_{1,4} \lor e$$

$$1868. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{2,6} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6}$$

$$1869. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_$$

$$1870. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

1871.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

1872.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$1873. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash e_{1,5} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$1874. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

1875.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$1876. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor$$

1877.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

1878.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1879. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$1880. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$1881. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$1882. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$1883. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6}$$

1884.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$1885. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash e_{2,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$1886. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

$$1887. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$1888. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1889. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$1890. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$1891. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

1892.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$1893. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor$$

1894.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$1895. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$1896. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1897. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e$$

$$1898. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_$$

1899.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$1900. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor e_{1,4} \lor e_{1$$

$$1901. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,6} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,6}$$

$$1902. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e$$

$$1903. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

$$1904. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \vdash t_{e_{1,4},\, e_{2,4}} \lor e_{1,3} \lor e_{2,6}$$

$$1905. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,5} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1906. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2}$$

1907.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

1908.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$1909. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1910. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,6} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,6} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

1911.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2}$$

1912.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \lor e_{2,6} \vdash e_{1,3} \lor e_{1,2} \lor e_{2,6}$$

1913.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

1914.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$1915. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}$$

1916.
$$\neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,6} \lor e_{1,2} \vdash e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

1917.
$$\neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,5} \lor e_{1,2} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor \neg e_{3,5} \lor e_{1,2}$$

1918.
$$\neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor e_{1,2} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,2}$$

$$1919. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

1920.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor e_{1,2} \vdash e_{3,5} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2}$$

1921.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{3,6} \lor e_{1,2} \vdash e_{3,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2}$$

1922.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1923. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,3}$$

1924.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{1,3} \lor e_{1,2} \lor \neg t_{e_{2,5}, \neg e_{2,6}}$$

1925.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$1926. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor e_{1,2} \vdash \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor e_{1,3} \lor e_{1,2}$$

$$1927. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1928. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

1929.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3}$$

$$1930. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$1931. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6}$$

$$1932. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,5} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,5} \lor e_{1,3}$$

1933.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,5} \lor e_{1,3}$$

$$1934. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

$$1935. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3}$$

$$1936. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{$$

$$1937. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

1938.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \lor e_{1,2} \vdash e_{2,5} \lor e_{1,3} \lor e_{1,2}$$

$$1939. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,2} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{1,2}$$

1940.
$$\neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \lor e_{2,6} \vdash e_{1,3} \lor e_{1,2} \lor e_{2,6}$$

$$1941. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$1942. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,$$

$$1943. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$1944. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}$$

$$1945. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$1946. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \lor e_{1,3}$$

$$1947. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{$$

1948.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

$$1949. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1950. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}$$

$$1951. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,6} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,6} \lor e_{1,3}$$

$$1952. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor$$

$$1953. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}}$$

$$1954. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,6} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6}$$

1955.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{1,3} \lor e_{1,2}$$

1956.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor e_{1,2} \vdash \neg t_{e_{1,5}, \neg e_{1,6}} \lor e_{1,3} \lor e_{1,2}$$

$$1957. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2}$$

1958.
$$\neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, \neg e_{5,6} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash \neg e_{5,6} \lor e_{1,3} \lor e_{1,2}$$

1959.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{4,6} \lor e_{1,2} \vdash \neg e_{4,6} \lor e_{1,3} \lor e_{1,2}$$

1960.
$$\neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \vdash e_{5,6} \lor e_{1,3} \lor e_{1,2}$$

1961.
$$\neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, e_{4,6} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash e_{4,6} \lor e_{1,3} \lor e_{1,2}$$

1962.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2}$$

1963.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1964. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2}$$

$$1965. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1966. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,2}$$

$$1967. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{2,5} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{2,5} \lor e_{1,3}$$

1968.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{2,5}} \lor e_{2,6} \vdash t_{e_{1,5}, e_{2,5}} \lor e_{1,3} \lor e_{2,6}$$

1969.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \lor t_{e_{1,6}, e_{2,6}} \vdash e_{2,5} \lor t_{e_{1,6}, e_{2,6}} \lor e_{1,3}$$

$$1970. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

1971.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,6} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3} \lor e_{2,6}$$

$$1972. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2}$$

$$1973. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,3}$$

$$1974. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,5},\, \neg e_{1,6}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$1975. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$1976. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,2},\,e_{2,3}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}}$$

$$1977. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg e_{5,6} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

1978.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \lor \neg e_{4,6} \vdash t_{e_{1,2}, e_{2,3}} \lor \neg e_{4,6} \lor e_{1,3}$$

$$1979. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash e_{5,6} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

1980.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{4,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash e_{4,6} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$1981. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_$$

$$1982. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,2},\,e_{2,3}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}}$$

1983.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$1984. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_$$

$$1985. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{2,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor e_{1,3}$$

$$1986. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

1987.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,2} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3} \lor e_{1,2}$$

$$1988. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

1989.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,5} \vdash e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3}$$

1990.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{2,5} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1991.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

1992.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor e_{1,3} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1993. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

1994.
$$\neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor e_{2,5} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{2,5} \lor e_{1,3}$$

1995.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

1996.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,5} \lor e_{1,3}$$

$$1997. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor e_{1,3}$$

1998.
$$\neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2},\,e_{2,3}} \lor e_{1,3}$$

1999.
$$\neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor e_{2,3} \vdash e_{1,5} \lor e_{1,3} \lor e_{2,3}$$

2000.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \lor e_{1,2} \vdash e_{2,5} \lor e_{1,3} \lor e_{1,2}$$

2001.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \vdash e_{1,5} \lor e_{2,5} \lor e_{1,3}$$

2002.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \vdash e_{1,5} \lor e_{2,5} \lor e_{1,3}$$

2003.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

$$2004. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

2005.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash e_{1,5} \lor e_{1,3}$$

2006.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \vdash \neg e_{2,3} \lor e_{1,3} \lor \neg e_{2,6}$$

$$2007. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2008. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3}$$

$$2009. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2010. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

2011.
$$\neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,5} \lor e_{2,3} \vdash e_{2,5} \lor e_{1,3} \lor e_{2,3}$$

$$2012. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2013. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3}$$

2014.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}$$

2015.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{2,6} \vdash e_{1,3} \lor e_{2,3} \lor e_{2,6}$$

$$2016. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2017. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2018. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

2019.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor e_{1,3} \vdash \neg e_{1,5} \lor e_{1,3}$$

$$2020. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2021. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \vdash e_{1,3} \lor \neg e_{1,6}$$

2022.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor e_{2,3} \vdash \neg e_{2,5} \lor e_{1,3} \lor e_{2,3}$$

$$2023. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{1,4}, \neg e$$

$$2024. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2025. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

2026.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \lor e_{1,3} \vdash e_{1,3} \lor e_{1,6}$$

$$2027. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,5} \vdash \neg e_{2,3} \lor \neg e_{2,5} \lor e_{1,3}$$

$$2028. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash e_{1,3} \lor e_{2,3} \lor \neg e_{2,6}$$

$$2029. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2030. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,5} \vdash \neg e_{2,3} \lor e_{2,5} \lor e_{1,3}$$

$$2031. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2032. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2033. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2034. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \vdash \neg e_{2,3} \lor e_{1,3} \lor e_{2,6}$$

$$2035. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2036. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{2,3} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3}$$

2037.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,3} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3} \lor e_{2,3}$$

$$2038. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{2,3} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

2039.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2040.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$2041. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2042. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

2043.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,6} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$2044. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,2},\, e_{2,3}} \lor e_{1,6} \lor e_{1,3}$$

$$2045. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

2046.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$2047. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2048. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6} \lor$$

$$2049. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,5} \lor e_{1,3}$$

$$2050. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,5} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,5} \lor e_{1,3}$$

$$2051. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

$$2052. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2053. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2054. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor \neg e_{2,6}$$

$$2055. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,5} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg e_{2,5} \lor e_{1,3}$$

2056.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{2,5} \lor e_{1,3}$$

$$2057. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,6}$$

$$2058. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3}$$

$$2059. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2060. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2061. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{1,3}$$

$$2062. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2063. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2064. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor \neg e_{1,5} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor \neg e_{1,5} \lor e_{1,3}$$

$$2065. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2066. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2067. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,6} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,6} \lor e_{1,3}$$

$$2068. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3}$$

$$2069. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2070. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6}$$

$$2071. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor \neg e_{2,5} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor \neg e_{2,5} \lor e_{1,3}$$

$$2072. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,5} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,5} \lor e_{1,3}$$

$$2073. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,6} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

$$2074. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2075. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{$$

2076.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash e_{1,3} \lor e_{2,3}$$

$$2077. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2078. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2079. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2080. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3} \lor e_{2,3}$$

$$2081. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg e_{2,3} \lor e_{1,3}$$

$$2082. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2083. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2084. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2085. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3} \vdash \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$2086. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$2087. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$2088. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash e_{1,5} \lor e_{1,3} \lor e_{2,3}$$

$$2089. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash e_{1,5} \lor \neg e_{2,3} \lor e_{1,3}$$

2090.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

2091.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$2092. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash e_{1,5} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

2093.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

2094.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

2095.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

2096.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$2097. \ \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2098. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2099. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2100. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,5} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2101. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{1,5} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2102. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,6} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

2103.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,6} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2104. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor$$

$$2105. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$2106. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{1,3} \lor e_{2,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2107. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{1,3$$

2108.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$2109. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2110. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2111. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2112. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2113. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2114. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,3} \lor e_{1,3}$$

2115.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$2116. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3}$$

$$2117. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,3} \lor e_{2,3}$$

$$2118. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,3}$$

$$2119. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2120. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,3}$$

$$2121. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \lor e_{1,3}$$

$$2122. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,6} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{1,3} \lor \neg e_{2,6} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2123. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{2,5} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

2124.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{2,5} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2125. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{1,3} \lor e_{2,6} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2126. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2127. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,4} \lor e_{1,4}, v_{e_{1,4}} \lor e_$$

$$2128. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2129. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{1,5} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2130. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2131. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{1,3$$

2132.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,6}, e_{2,6}}$$

$$2133. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2134. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2135. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,6},\,e_{2,6}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \vdash t_{\neg e_{1,6},\,e_{2,6}} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3}$$

$$2136. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

2137.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3}$$

$$2138. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,6} \vdash \neg e_{2,3} \lor e_{1,6} \lor e_{1,3}$$

2139.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \lor e_{2,3} \vdash e_{1,6} \lor e_{1,3} \lor e_{2,3}$$

$$2140. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

2141.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,6} \lor e_{1,3}$$

2142.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,6} \lor e_{1,3}$$

$$2143. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3}$$

$$2144. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,6} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,6} \lor e_{1,3}$$

$$2145. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2146. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2147. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,6} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{1,6} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

2148.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$2149. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \vdash t_{e_{1,2},\,e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3}$$

$$2150. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2151. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2}$$

$$2152. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg e_{2,3} \lor e_{1,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}}$$

$$2153. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}}$$

$$2154. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor e_{1,4} \lor e_{1$$

$$2155. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e$$

$$2156. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor e_{1,4} \lor$$

$$2157. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{1,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

2158.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,6} \vdash e_{1,3} \lor e_{2,6}$$

$$2159. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

$$2160. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor e_{2,6} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

$$2161. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

$$2162. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{1,3} \lor e_{2,6} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

2163.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$2164. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2165. \ \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2166. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2167. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

2168.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{e_{1,2}, e_{2,3}}$$

2169.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$2170. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2171. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2172. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,4} \lor e_{1,4}, v_{e_{1,4},\, \neg e_{1,4}} \lor e_{1,4}, v_{e_{1,4$$

$$2173. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{1,3$$

$$2174. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2175. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{1,3} \lor e_{1,2} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2176. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$2177. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{1,3$$

$$2178. \ \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2179. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2180. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,2}} \lor t_{e_{1,2},\, \neg e_{1,2}} \lor t_{e_{$$

2181.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2182. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{2,3} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

2183.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2184. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$2185. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{1,3$$

$$2186. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2}$$

$$2187. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2188. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2189. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,3}$$

$$2190. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2191. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2192. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_$$

$$2193. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e$$

$$2194. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

2195.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

2196.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$2197. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2198. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2199. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2200. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2201. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2202. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,e_{2,3}} \lor \neg e_{3,5} \vdash t_{e_{1,2},\,e_{2,3}} \lor \neg e_{3,5} \lor e_{1,3}$$

$$2203. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{3,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2204. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{3,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash e_{3,5} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

2205.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{3,6} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{3,6} \lor e_{1,3}$$

$$2206. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor \neg e_{1,5} \lor t_{e_{1,2},\,e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2},\,e_{2,3}} \lor e_{1,3}$$

$$2207. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

2208.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,6} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$2209. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,2},\, e_{2,3}} \lor e_{1,6} \lor e_{1,3}$$

$$2210. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2211. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2212. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2213. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$2214. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2215. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2216. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2217. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

2218.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

$$2219. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \vdash t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2220. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2221. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3} \lor e_{1,2}$$

$$2222. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor e_{1,3} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{1,4} \lor$$

$$2223. \ \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor e_{1,3} \lor \neg t_{\neg e_{2,5},\, e_{2,6}}$$

$$2224. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,6},\,e_{2,6}} \lor \neg t_{\neg e_{2,5},\,e_{2,6}} \vdash t_{e_{1,6},\,e_{2,6}} \lor e_{1,3} \lor \neg t_{\neg e_{2,5},\,e_{2,6}} \lor e_{1,4} \lor e_$$

$$2225. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$2226. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor \neg e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash e_{1,5} \lor \neg e_{5,6} \lor e_{1,3}$$

$$2227. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_$$

$$2228. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$2229. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,4} \lor e_{1,5} \lor e_{1$$

$$2230. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor e_{1,3} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{1,4} \lor$$

$$2231. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor \neg t_{\neg e_{2,5},\, e_{2,6}}$$

$$2232. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor \neg t_{\neg e_{2,5},\, e_{2,6}}$$

$$2233. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$2234. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$2235. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

2236.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg e_{4,5} \vdash \neg e_{1,5} \lor \neg e_{4,5} \lor e_{1,3}$$

$$2237. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,4} \lor e_{1,4}, v_{e_{1,4},\, \neg e_{1,4}} \lor e_{1,4}, v_{e_{1,4},\,$$

$$2238. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2239. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \vdash e_{5,6} \lor \neg e_{1,5} \lor e_{1,3}$$

$$2240. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{4,5} \vdash e_{1,5} \lor \neg e_{4,5} \lor e_{1,3}$$

$$2241. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2242. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

$$2243. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor e_{1,3}$$

$$2244. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{1,4} \lor e_{1$$

$$2245. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \vdash \neg e_{5,6} \lor \neg e_{1,5} \lor e_{1,3}$$

$$2246. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$2247. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$2248. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{4,5} \vdash e_{1,5} \lor e_{4,5} \lor e_{1,3}$$

2249.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,2} \lor e_{1,3} \lor e_{2,3}$$

$$2250. \ \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash t_{e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor \neg t_{\neg e_{2,5},\, e_{2,6}}$$

$$2251. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2252. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor e_{1,6} \vdash \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor e_{1,6} \lor e_{1,3}$$

$$2253. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2254. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,3} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor e_{1,3}$$

$$2255. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{5,6} \lor e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash e_{5,6} \lor e_{1,5} \lor e_{1,3}$$

2256.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{4,5} \lor \neg e_{1,5} \vdash e_{4,5} \lor \neg e_{1,5} \lor e_{1,3}$$

$$2257. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$2258. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor e_{1,3} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{1,3} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{1,4} \lor e_{1,4$$

2259.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg e_{2,3} \lor e_{1,3} \lor e_{1,2}$$

$$2260. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2261. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,3}$$

$$2262. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg e_{4,5} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor \neg e_{4,5} \lor e_{1,3}$$

$$2263. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash e_{5,6} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

2264.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{5,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

2265.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{4,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{4,5} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$2266. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg e_{4,5} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg e_{4,5} \lor e_{1,3}$$

$$2267. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash e_{5,6} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2268. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2269. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{4,5} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash e_{4,5} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2270. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

2271.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2272. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2273. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2274. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2275. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2276. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor \neg t_{\neg e_{2,5},\,e_{2,6}} \vdash e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{2,5},\,e_{2,6}}$$

2277.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor e_{2,3} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor e_{1,3} \lor e_{2,3}$$

$$2278. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2279. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2280. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3}$$

2281.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{4,5} \lor e_{2,3} \vdash \neg e_{4,5} \lor e_{2,3} \lor e_{1,3}$$

2282.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{5,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash e_{5,6} \lor e_{1,3} \lor e_{2,3}$$

2283.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{5,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash \neg e_{5,6} \lor e_{1,3} \lor e_{2,3}$$

2284.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{4,5} \lor e_{2,3} \vdash e_{4,5} \lor e_{1,3} \lor e_{2,3}$$

$$2285. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{1,3} \lor e_{1,2}$$

$$2286. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \lor e_{1,2} \vdash \neg t_{e_{1,5},\,\neg e_{2,5}} \lor e_{1,3} \lor e_{1,2}$$

$$2287. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{2,3} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2288. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2289. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2290. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2291. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2292. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg e_{4,5} \vdash \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg e_{4,5} \lor e_{1,3}$$

$$2293. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash e_{5,6} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$2294. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$2295. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{4,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash e_{4,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$2296. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

2297.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2298. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,3}$$

$$2299. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{1,3$$

2300.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor e_{1,6} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor e_{1,6} \lor e_{1,3}$$

$$2301. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6} \vdash e_{1,3} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6}$$

$$2302. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2303. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2304. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2305. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2306. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3}$$

$$2307. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2308. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

2309.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$2310. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

2311.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$2312. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2313. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2314. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{2,5},\, e_{2,6}}$$

$$2315. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor e_{1,2} \vdash \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor e_{1,3} \lor e_{1,2}$$

2316.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2317. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,3}$$

$$2318. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2319. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2320. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2321. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,2} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2322. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{$$

$$2323. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

2324.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2325. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{4,5} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{4,5} \lor e_{1,3}$$

$$2326. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash e_{5,6} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2327. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{5,6} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2328. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{4,5} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash e_{4,5} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2329. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash e_{2,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

2330.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,6} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{1,3} \lor e_{2,6}$$

2331.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{3,5} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{3,5}$$

$$2332. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg$$

$$2333. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2334. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor e_{3,5} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2335. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor e_{3,6} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{3,6} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2336. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2337. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

2338.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2339. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2340. \ \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2341. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2342. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

2343.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6}$$

$$2344. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,5} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,5} \lor e_{1,3}$$

$$2345. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,5} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{2,5} \lor e_{1,3}$$

$$2346. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

$$2347. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3}$$

2348.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2349. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2350. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2351. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash e_{1,5} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2352. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2353. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,3}$$

2354.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,6} \lor e_{1,3}$$

$$2355. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor e_{1,4} \lor e_{1$$

$$2356. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,3}$$

$$2357. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

2358.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2359. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2360. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,3},\,e_{2,3}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$2361. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2362. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2363. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg e_{3,5} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{3,5}$$

$$2364. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg e_{3,6} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg e_{3,6} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2365. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2366. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \lor e_{3,5} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{3,5} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2367. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \lor e_{3,6} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{3,6} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

2368.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

$$2369. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2370. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2371. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2372. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2373. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2374. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2375. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2376. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2377. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor \neg e_{2,6}$$

2378.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor e_{1,3}$$

2379.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{2,5} \lor e_{1,3}$$

$$2380. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,6}$$

$$2381. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3}$$

$$2382. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2383. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2384. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

2385.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,5} \lor e_{1,3}$$

$$2386. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \lor e_{1,3}$$

2387.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,6} \lor e_{1,3}$$

$$2388. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor e_{1,4}, t_{e_{1,4}} \lor \neg t_{e_{1,4},\, e_{1,4}} \lor e_{1,4}, t_{e_{1,4},\, e_{$$

$$2389. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2390. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

2391.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2392. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2393. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2394. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2395. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2396. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2397. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{1,3}$$

$$2398. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3}$$

$$2399. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \lor e_{2,6} \vdash e_{1,3} \lor e_{1,2} \lor e_{2,6}$$

$$2400. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2401. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2402. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2403. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2404. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2405. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3}$$

$$2406. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2407. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,3} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg e_{2,3} \lor e_{1,3}$$

$$2408. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2409. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2410. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2411. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

2412.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$2413. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{2,6} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{1,3} \lor e_{2,6}$$

$$2414. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2415. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2416. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

2417.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash e_{1,3}$$

$$2418. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \vdash e_{1,3} \lor \neg e_{2,3}$$

2419.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash e_{1,3} \lor e_{2,3}$$

2420.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

2421.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,3}$$

2422.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash e_{1,3} \lor e_{2,3}$$

2423.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash e_{1,3} \lor e_{2,3}$$

2424.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

$$2425. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{3,5} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{3,5} \lor e_{1,3}$$

$$2426. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{3,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

2427.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{3,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash e_{3,5} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$2428. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{3,6} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{3,6} \lor e_{1,3}$$

2429.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash e_{1,3} \lor \neg e_{2,6}$$

2430.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor e_{1,3} \vdash \neg e_{2,5} \lor e_{1,3}$$

2431.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \lor e_{1,3} \vdash e_{1,3} \lor e_{2,5}$$

2432.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,6} \vdash e_{1,3} \lor e_{2,6}$$

2433.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3}$$

2434.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2435.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

2436.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{1,2}$$

2437.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,3}$$

2438.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash e_{1,5} \lor e_{1,3}$$

2439.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$2440. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,3}$$

2441.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2442.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \lor e_{1,3} \vdash e_{1,3} \lor e_{1,6}$$

$$2443. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash e_{1,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}}$$

2444.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{1,2}$$

2445.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$2446. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \vdash e_{1,3}$$

$$2447. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2448. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2449. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2450. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,6} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,6} \lor e_{1,3}$$

$$2451. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2452. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2453. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{2,3} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2454. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

$$2455. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2456. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2457. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2458. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2459. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{2,6} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

$$2460. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2461. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2462. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2463. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

2464.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash e_{1,3} \lor e_{2,3}$$

$$2465. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \vdash e_{1,3} \lor \neg e_{2,3}$$

2466.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$2467. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

2468.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

2469.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2470.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{1,2}$$

$$2471. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2472. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor e_{1,3}$$

2473.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{1,2}$$

$$2474. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

2475.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$2476. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2477. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \vdash e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}}$$

2478.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash e_{1,3} \lor \neg e_{2,6}$$

2479.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor e_{1,3} \vdash \neg e_{2,5} \lor e_{1,3}$$

$$2480. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,5} \lor e_{1,3} \vdash e_{1,3} \lor e_{2,5}$$

2481.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,6} \vdash e_{1,3} \lor e_{2,6}$$

2482.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3}$$

2483.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2484.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$2485. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3}$$

2486.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash e_{1,5} \lor e_{1,3}$$

2487.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$2488. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,3}$$

$$2489. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,6} \lor e_{1,3} \vdash e_{1,3} \lor e_{1,6}$$

$$2490. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash e_{1,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}}$$

2491.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2492. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \vdash \neg e_{1,2} \lor e_{1,3}$$

2493.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{1,2}$$

$$2494. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2495. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}}$$

2496.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$2497. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \vdash e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}}$$

$$2498. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

2499.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,3}$$

2500.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,3}$$

2501.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$2502. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,2} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2503. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

2504.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{e_{1,2}, e_{2,3}}$$

2505.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash e_{1,3}$$

$$2506. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2507. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

2508.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

2509.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{1,2}$$

2510.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{1,2}$$

2511.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{1,2}$$

$$2512. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2}$$

2513.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$2514. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2515. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,3}$$

$$2516. \ \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,$$

$$2517. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_$$

$$2518. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,2},\,e_{2,3}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor$$

$$2519. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{$$

$$2520. \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor$$

$$2521. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{e_{1,2},\, e_{2,3}}$$

$$2522. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2523. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2524. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2525. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg e_{4,5} \vdash t_{e_{1,2},\, e_{2,3}} \lor \neg e_{4,5} \lor e_{1,3}$$

$$2526. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash e_{5,6} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2527. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg e_{5,6} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

2528.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{4,5} \lor t_{e_{1,2}, e_{2,3}} \vdash e_{4,5} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$2529. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2530. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash e_{1,3} \lor e_{1,2} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$$

$$2531. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2532. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

$$2533. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,6} \vdash t_{\neg e_{1,4},\, e_{2,4}} \lor e_{1,3} \lor e_{2,6}$$

$$2534. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,5} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

2535.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$2536. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{1,5} \lor t_{e_{1,3},\, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2537. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{1,6} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2538. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,3},\, e_{2,3}} \lor e_{1,6} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2539. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

$$2540. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{$$

$$2541. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_$$

$$2542. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,3} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

2543.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2544. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2545. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2546. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$2547. \ \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2548. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6}$$

$$2549. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,3},\, e_{2,3}} \lor \neg e_{2,5} \lor e_{1,3}$$

2550.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{2,5} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{2,5} \lor e_{1,3}$$

$$2551. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

$$2552. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2553. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2554. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2555. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2556. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, \neg e_{$$

$$2557. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2558. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_$$

$$2559. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2560. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,3}$$

$$2561. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2562. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e$$

$$2563. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_$$

$$2564. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,3},\, e_{2,3}} \lor e_{1,6} \lor e_{1,3}$$

$$2565. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{$$

$$2566. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e$$

$$2567. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6}$$

$$2568. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e$$

$$2569. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \vdash t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t$$

$$2570. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2571. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{1,3}} \lor \neg t_{\neg e$$

$$2572. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2573. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,3} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2574. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$2575. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2576. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$2577. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2578. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2579. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2580. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

2581.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$2582. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

2583.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$2584. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2585. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

2586.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2587. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{3,5} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{3,5}$$

$$2588. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor$$

$$2589. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2590. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash e_{3,5} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_$$

$$2591. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{3,6} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{3,6} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2592. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3}$$

$$2593. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

2594.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2595. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2596. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2597. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2598. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

2599.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{3,5} \lor e_{2,3} \vdash \neg e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

2600.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{3,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash \neg e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

$$2601. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{3,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

2602.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{3,6} \lor e_{2,3} \vdash e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

$$2603. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

2604.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

$$2605. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,5} \lor e_{2,3} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

2606.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash e_{1,3} \lor e_{2,3}$$

2607.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{1,5} \lor e_{2,3} \vdash e_{1,5} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3}$$

2608.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor e_{2,3} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3}$$

2609.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{1,6} \lor e_{2,3} \vdash e_{1,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3}$$

$$2610. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$2611. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$2612. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

2613.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2614. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2615. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash e_{1,3} \lor e_{2,3} \lor \neg e_{2,6}$$

2616.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor e_{2,3} \vdash \neg e_{2,5} \lor e_{1,3} \lor e_{2,3}$$

2617.
$$\neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,5} \lor e_{2,3} \vdash e_{2,5} \lor e_{1,3} \lor e_{2,3}$$

2618.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{2,6} \vdash e_{1,3} \lor e_{2,3} \lor e_{2,6}$$

$$2619. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor e_{2,3} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3} \lor e_{2,3}$$

$$2620. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{1,3} \lor e_{2,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

2621.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2622. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3} \lor e_{2,3}$$

$$2623. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{2,3}$$

$$2624. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash e_{1,5} \lor e_{1,3} \lor e_{2,3}$$

$$2625. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$2626. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2627. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,3} \lor e_{2,3}$$

2628.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2629. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor e_{2,3} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$2630. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor e_{2,3} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

2631.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \lor e_{2,3} \vdash e_{1,6} \lor e_{1,3} \lor e_{2,3}$$

$$2632. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$2633. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,6},\,e_{2,6}}$$

2634.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{2,3} \lor e_{2,6} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{2,6}$$

$$2635. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

2636.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

$$2637. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2638. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

2639.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

2640.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2641. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$2642. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6}$$

2643.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2644. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{2,5} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{2,5} \lor e_{1,3}$$

$$2645. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{2,5} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{2,5} \lor e_{1,3}$$

$$2646. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2647. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{2,6} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

$$2648. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3}$$

$$2649. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{$$

$$2650. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2651. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor e_{2,3} \vdash \neg e_{1,5} \lor e_{1,3} \lor e_{2,3}$$

$$2652. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash e_{1,5} \lor e_{1,3} \lor e_{2,3}$$

$$2653. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash \neg e_{1,6} \lor e_{1,3} \lor e_{2,3}$$

2654.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \lor e_{2,3} \vdash e_{1,6} \lor e_{1,3} \lor e_{2,3}$$

2655.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2656. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2657. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2658. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{2,3} \vdash \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,3} \lor e_{2,3}$$

$$2659. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash e_{1,5} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2660. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2661. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$2662. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \lor e_{1,3}$$

$$2663. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor e_{1,3} \lor e_{2,3}$$

$$2664. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,6} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,6} \lor e_{1,3}$$

$$2665. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor e_{2,3} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,3} \lor e_{2,3}$$

$$2666. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2667. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor$$

2668.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{2,6} \vdash e_{1,3} \lor e_{2,3} \lor e_{2,6}$$

$$2669. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

2670.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2671. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{1,3} \lor e_{2,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2672. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,4} \lor e_{1,4}, v_{e_{1,4},\, e_{1,4}} \lor e_{1,4}, v_{e_{1,4},\, e_{1,$$

$$2673. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$2674. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2675. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2676. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2677. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2678. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2679. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2680. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2681. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

2682.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2683. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2684. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

2685.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{2,3} \lor e_{1,2}$$

$$2686. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2687. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2688. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

2689.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2690. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2691. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2692. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}$$

$$2693. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}$$

2694.
$$\neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash e_{1,3} \lor e_{2,3}$$

2695.
$$\neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3} \vdash e_{1,3} \lor e_{2,3}$$

$$2696. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

2697.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2698. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2699. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

$$2700. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2701. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2702. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2703. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2704. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2705. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2706. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2707. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2708. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2709. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{1,3}$$

$$2710. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2711. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2712. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2713. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2714. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{1,3$$

$$2715. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2716. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

2717.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

2718.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$2719. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2720. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2721. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{1,3}$$

$$2722. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{1,2} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,2} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2723. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2724. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,4} \lor e_$$

$$2725. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,4} \lor e_{1,4}$$

$$2726. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2727. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor$$

$$2728. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e$$

$$2729. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e$$

$$2730. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor$$

2731.
$$\neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor e_{1,3}$$

$$2732. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2733. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2734. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,$$

$$2735. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2736. \ \, \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,e_{2,3}} \lor t_{\neg e_{1,5},\,e_{2,5}} \vdash t_{e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$2737. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,5},\, e_{2,5}} \lor \neg e_{4,5} \lor e_{1,3}$$

$$2738. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{5,6} \lor e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2739. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{5,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{5,6} \lor e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2740. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{4,5} \lor e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2741. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2742. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,$$

$$2743. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{2,3} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2744. \ \, \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}, t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{1,3} \lor e_{2,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2745. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}, t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,6},\,e_{2,6}} \lor e_{2,6} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,e_{2,3}} \lor e_{2,6}$$

$$2746. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\,e_{2,3}} \lor t_{e_{1,6},\,e_{2,6}} \lor e_{2,3}$$

$$2747. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor e_{2,6} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,2},\,e_{2,3}} \lor e_{2,6} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

2748.
$$t_{e_{1,6},e_{2,6}} \lor t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,6},e_{2,6}} \lor e_{1,6} \lor t_{\neg e_{1,2},e_{2,3}} \vdash t_{\neg e_{1,2},e_{2,3}} \lor t_{e_{1,2},e_{2,3}} \lor e_{1,6}$$

$$2749. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,6},\,e_{2,6}} \lor e_{2,3} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$2750. \ \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor t_{e_{1,6},\,e_{2,6}} \lor e_{1,2}$$

$$2751. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2},\,e_{2,3}} \lor t_{e_{1,6},\,e_{2,6}} \lor e_{1,2}$$

$$2752. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}, t_{\neg e_{1,6},\,e_{2,6}} \lor \neg t_{e_{1,6},\,e_{2,6}} \lor e_{1,6} \vdash t_{\neg e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}} \lor e_{1,6}$$

$$2753. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,6} \vdash t_{e_{1,2},\,e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,6}$$

$$2754. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,6},\,e_{2,6}} \lor e_{1,2}$$

$$2755. \ \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}, t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,6},\,e_{2,6}} \lor e_{2,6} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,e_{2,3}} \lor e_{2,6}$$

$$2756. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2},\,\neg e_{2,3}} \lor t_{e_{1,6},\,e_{2,6}} \lor e_{2,3}$$

$$2757. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor e_{2,6} \vdash t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}} \lor e_{2,6}$$

2758.
$$t_{e_{1,6},e_{2,6}} \lor t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,2},e_{2,3}} \lor t_{e_{1,3},e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,3},e_{2,3}} \lor t_{e_{1,6},e_{2,6}} \lor e_{1,2}$$

$$2759. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash t_{e_{1,2},\,e_{2,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \lor \neg t_{\neg$$

$$2760. \ t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,6}, e_{2,6}} \lor e_{2,3}$$

$$2761. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,2},\,e_{2,3}} \lor e_{1,6} \lor t_{\neg e_{1,2},\,\neg e_{2,3}}$$

$$2762. \ t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,6}, e_{2,6}} \lor e_{2,3}$$

2763.
$$t_{e_{1,6},e_{2,6}} \lor t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,6},e_{2,6}} \lor t_{e_{1,2},\neg e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,2},e_{2,3}} \lor t_{e_{1,2},\neg e_{2,3}} \lor e_{1,6}$$

$$2764. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \lor e_{1,6} \vdash \neg t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}} \lor e_{1,6}$$

$$2765. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}} \lor e_{1,6} \vdash e_{1,6} \lor t_{e_{1,2},\,e_{2,3}}$$

2766.
$$t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,6}, e_{2,6}} \lor e_{1,6} \lor e_{2,3} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{1,6} \lor e_{2,3}$$

$$2767. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash t_{e_{1,6},\,e_{2,6}} \lor e_{2,3} \lor e_{1,2}$$

$$2768. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor e_{1,2} \lor e_{2,6} \vdash t_{e_{1,2},\,e_{2,3}} \lor e_{1,2} \lor e_{2,6}$$

$$2769.\ \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,2},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash t_{e_{1,6},\,e_{2,6}} \lor e_{2,3} \lor e_{1,2}$$

2770.
$$t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,6}, e_{2,6}} \lor e_{1,6} \lor e_{2,6} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{1,6} \lor e_{2,6}$$

$$2771. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor e_{1,6} \lor e_{2,6} \vdash t_{e_{1,2},\,e_{2,3}} \lor e_{1,6} \lor e_{2,6}$$

2772.
$$t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash t_{e_{1,6}, e_{2,6}} \lor e_{2,3} \lor e_{1,2}$$

2773.
$$t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,6}, e_{2,6}} \lor e_{1,6} \lor e_{1,2} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{1,6} \lor e_{1,2}$$

2774.
$$t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash t_{e_{1,6}, e_{2,6}} \lor e_{2,3} \lor e_{1,2}$$

2775.
$$t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,6}, e_{2,6}} \lor e_{1,3} \lor e_{2,6} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{1,3} \lor e_{2,6}$$

$$2776. \ \ t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3}, \, \neg e_{1,3} \lor \neg e_{1,5} \lor e_{1,2} \vdash \neg e_{1,5} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,2}$$

2777.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg e_{1,5} \vdash \neg e_{1,2} \lor \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}}$$

2778.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg e_{3,5} \vdash \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{3,5}$$

$$2779. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,2}, \neg e_{2,2}} \lor t_{e_{2,2}, \neg e$$

$$2780. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg$$

2781.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{1,6} \lor e_{1,2} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,6} \lor e_{1,2}$$

$$2782. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{$$

$$2783. \ t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3},\,\neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor t_{$$

$$2784. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3},$$

$$2785. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2},$$

$$2786. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{$$

$$2787. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor \neg e_{2,3} \vdash \neg e_{3,6} \lor \neg e_{2,3} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

2788.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{1,5} \lor e_{1,2} \vdash e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

$$2789. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1$$

2790.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor e_{1,2} \vdash \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

$$2791. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor$$

$$2792. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_$$

2793.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor e_{2,3} \vdash \neg e_{3,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

$$2794. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor \neg e_{2,3} \vdash e_{3,5} \lor \neg e_{2,3} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

$$2795. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,5} \lor e_{2,3} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{3,5} \lor e_{2,3}$$

$$2796. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,2}$$

$$2797. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e$$

2798.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,2} \lor e_{1,5} \lor \neg e_{1,3} \vdash \neg e_{1,2} \lor e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$2799. \ t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,2},$$

$$2800.\ \ t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor t_{e_{$$

2801.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{2,3} \lor e_{3,6} \vdash \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{3,6}$$

$$2802. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$2803. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{2,2},\, \neg e_{2,2}} \lor t_{e_{2,2},$$

$$2804. \ \ t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3}, \, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,$$

2805.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{3,6} \lor e_{2,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{3,6} \lor e_{2,3}$$

$$2806. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3}$$

2807.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor e_{2,3} \vdash e_{3,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

$$2808. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\,$$

2809.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg e_{1,6} \vdash \neg e_{1,2} \lor \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$2810. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{$$

2811.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor e_{1,6} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,6}$$

$$2812. \ t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3},\,\neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \vdash t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,\neg e_{1,3}}$$

$$2813. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, t_{e_{1,2},\, e_{1,3}} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\,$$

$$2814. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{1,5} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,5} \lor \neg e_{1,5} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,5} \lor \neg e$$

$$2815. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, e_{1,5} \lor \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_$$

$$2816. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,6} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg$$

2817.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,6}$$

$$2818. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,2}$$

2819.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$2820. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e$$

$$2821. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,2}$$

$$2822. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}}$$

$$2823. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$2824. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{3,5} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{3,5}$$

$$2825. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{3,6}$$

2826.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{3,5}$$

2827.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{3,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{3,6}$$

$$2828. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg e_{3,5} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{3,5}$$

$$2829. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg e_{3,6} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg e_{3,6} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

$$2830. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \lor e_{3,5} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{3,5} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

2831.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \lor e_{3,6} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{3,6}$$

$$2832. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor \neg e_{3,5} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{3,5}$$

$$2833. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3}$$

$$2834. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{2,2},\, \neg e_{2,2}} \lor t_{e_{2,2$$

$$2835. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3}$$

$$2836. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash e_{3,5} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\,$$

2837.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{3,6} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{3,6}$$

2838.
$$t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{2,3} \lor e_{1,2} \vdash t_{e_{1,2},\,\neg e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

2839.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor e_{2,3} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

$$2840.\ \ t_{e_{1,2},\,\neg e_{2,3}}\vee e_{1,3}, \neg e_{1,3}\vee t_{e_{1,3},\,\neg e_{2,3}}\vee e_{2,3}\vdash t_{e_{1,3},\,\neg e_{2,3}}\vee t_{e_{1,2},\,\neg e_{2,3}}\vee e_{2,3}$$

2841.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{3,5} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{3,5}$$

$$2842. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

$$2843. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash e_{3,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_$$

2844.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{3,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{3,6}$$

$$2845. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,5} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2$$

$$2846. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, e_{1,5} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$2847. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2},$$

$$2848. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,6} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,6}$$

$$2849. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$2850. \ t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3}, \, \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \,$$

$$2851. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{2,3} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3}$$

$$2852. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,2} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{1,2}$$

$$2853. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,2} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}}$$

$$2854. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_$$

$$2855. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg$$

$$2856. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,2}$$

$$2857. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_$$

$$2858. \ \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}$$

$$2859. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2,3}} \lor t_{\neg$$

$$2860. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{3,5} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

2861.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{3,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2862. \ t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3}, \, \neg e_{1,3} \lor e_{3,5} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash e_{3,5} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$2863. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{3,6} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{3,6} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

2864.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6}, e_{2,6}} \lor e_{1,2} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

$$2865. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

$$2866. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e$$

$$2867. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2},$$

$$2868. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,2} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,2}$$

$$2869. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3},\, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,2} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2}$$

$$2870. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$2871. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$2872. \ t_{e_{1,2}, \, \neg e_{2,3}} \vee e_{1,3}, \, \neg e_{1,3} \vee t_{\neg e_{1,2}, \, e_{2,3}} \vee e_{1,2} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \, e_{2,3}} \vee e_{1,2}$$

$$2873. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$2874. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e$$

$$2875. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_$$

2876.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{1,2} \lor e_{2,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2} \lor e_{2,6}$$

2877.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor e_{2,6} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,6}$$

$$2878. \ t_{e_{1,2},\, \neg e_{2,3}} \vee e_{1,3}, \neg e_{1,3} \vee t_{e_{1,3},\, \neg e_{2,3}} \vee e_{2,6} \vdash t_{e_{1,3},\, \neg e_{2,3}} \vee t_{e_{1,2},\, \neg e_{2,3}} \vee e_{2,6}$$

$$2879. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{2,6} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,6}$$

2880.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

2881.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$2882. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,3},\,$$

$$2883. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}}$$

$$2884. \ \ t_{e_{1,2}, \, \neg e_{2,3}} \vee e_{1,3}, \, \neg e_{1,3} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vee \neg e_{1,5} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \vee \neg e_{1,5} \vee t_{e_{1,2}, \, \neg e_{2,3}} \vee \neg e_{1,5} \vee e_{1,5}$$

$$2885. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, e_{1,5} \lor \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$2886. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg$$

$$2887. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{1,6} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,6}$$

$$2888. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},$$

$$2889. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$2890. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3}$$

$$2891. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_$$

$$2892. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$2893. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3},\, \neg e_{1,3} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\,$$

$$2894. \ t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3}, \, \neg e_{1,3} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_$$

$$2895. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2$$

$$2896. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{2,6} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,6}$$

2897.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

2898.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$2899. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, e_{1,5} \lor \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_$$

$$2900. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

2901.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$2902. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg$$

$$2903. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$2904. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor$$

$$2905. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2$$

$$2906. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e$$

$$2907. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1$$

$$2908. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,6}$$

$$2909.\ \ t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \vdash t_{e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}}$$

2910.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,5} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$2911. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,2}$$

$$2912. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, e_{1,5} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg$$

$$2913. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},$$

$$2914. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,6} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,6}$$

$$2915. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor e_{1,2} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,2}$$

$$2916. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1$$

$$2917. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t$$

2918.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,5} \lor e_{1,2} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{3,5} \lor e_{1,2}$$

2919.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor e_{1,2} \vdash \neg e_{3,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

2920.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor e_{1,2} \vdash e_{3,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

2921.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{3,6} \lor e_{1,2} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{3,6} \lor e_{1,2}$$

$$2922. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3}$$

$$2923. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg$$

$$2924. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,$$

$$2925. \ \ t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \lor t_{e_{1$$

$$2926. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg$$

$$2927. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2$$

$$2928. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,6} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,6}$$

$$2929. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,2}$$

$$2930. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

2931.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

$$2932. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,2}$$

$$2933. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,2}$$

2934.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$2935. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_$$

$$2936. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{2,2},\, \neg e_{2,3}} \lor t_{e_{2,2},\,$$

$$2937. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

$$2938. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,$$

$$2939. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\,$$

2940.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$2941. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, e_{1,5} \lor \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

$$2942. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

$$2943. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,6} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,6}$$

$$2944. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2$$

$$2945. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg$$

2946.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

$$2947. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_$$

$$2948. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_$$

$$2949. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$2950. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{$$

$$2951. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2$$

2952.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,6}$$

$$2953. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

$$2954. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

2955.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

2956.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$2957. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,3},\,$$

$$2958. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}}$$

2959.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$2960. \ t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \vdash t_{e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}}$$

$$2961. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

2962.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2963.\ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{3,5} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{3,5}$$

$$2964. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

$$2965. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor e_{3,5} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{3,5} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

$$2966.\ \ t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor e_{3,6} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor e_{3,6}$$

$$2967. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg e_{3,5} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{3,5}$$

$$2968. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg e_{3,6} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg e_{3,6} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

2969.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \lor e_{3,5} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{3,5} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$2970.\ t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\,e_{1,3}} \lor e_{3,6} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor e_{3,6}$$

$$2971. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,2}$$

$$2972. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

$$2973. \ t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3}, \, \neg e_{1,3} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{$$

$$2974. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{2,2},\, \neg e_{2,3}} \lor t_{e_{2,2},\,$$

$$2975. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,$$

$$2976. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,$$

$$2977. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},$$

$$2978. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,$$

2979.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,5} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$2980. \ t_{e_{1,2}, \, \neg e_{2,3}} \vee e_{1,3}, \, \neg e_{1,3} \vee e_{1,5} \vee t_{e_{1,3}, \, e_{2,3}} \vdash e_{1,5} \vee t_{e_{1,3}, \, e_{2,3}} \vee t_{e_{1,2}, \, \neg e_{2,3}}$$

$$2981. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{1,6} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

2982.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,6}$$

$$2983. \ \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{$$

$$2984. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2$$

$$2985. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3}$$

$$2986. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5$$

$$2987. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2,3}} \lor t_{\neg$$

$$2988. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$2989. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

$$2990.\ \ t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \vdash t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}}$$

2991.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,6}$$

$$2992. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}}$$

$$2993. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2$$

2994.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$2995. \ t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3}, \, \neg e_{1,3} \lor t_{e_{1,2}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}}$$

$$2996. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3},\, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{3,5} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{3,5}$$

$$2997. \ t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3}, \, \neg e_{1,3} \lor \neg e_{3,6} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{2,2}, \, \neg e_{2,2}} \lor t_{e_{2,2}, \,$$

$$2998. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash e_{3,5} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\,$$

$$2999.\ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor e_{3,6} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{3,6}$$

3000.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,5} \lor e_{2,3} \vdash \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

3001.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{1,5} \lor e_{2,3} \vdash e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

3002.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor e_{2,3} \vdash \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

3003.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{1,6} \lor e_{2,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,6} \lor e_{2,3}$$

3004.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$3005. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

3006.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,3}$$

$$3007. \ t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3}, \, \neg e_{1,3} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

3008.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6}, e_{2,6}} \lor e_{2,3} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

$$3009. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,3} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

$$3010. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

3011.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{2,3} \lor e_{2,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \lor e_{2,6}$$

3012.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

3013.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{2,3} \lor e_{1,2} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$3014. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3}$$

3015.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

3016.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

$$3017. \ t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3}, \, \neg e_{1,3} \lor e_{1,2} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,2} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

3018.
$$t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3019. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3020. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5$$

$$3021. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3022. \ t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3}, \, \neg e_{1,3} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \,$$

$$3023. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1$$

$$3024. \ t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3025. \ \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3026. \ t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,3}, \neg e_{1,3} \lor e_{2,3} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3027. \ t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$3028. \ t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{1,5},\,e_{2,5}}, \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,6},\,\neg e_{2,6}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,5}$$

$$3029. \ t_{e_{1,6}, \, \neg e_{2,6}} \lor t_{e_{1,5}, \, e_{2,5}}, \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,6}, \, \neg e_{2,6}} \lor e_{2,5} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

3030.
$$t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$3031. \ t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3032. \ t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,5}, e_{2,5}}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,5}$$

$$3033. \ t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3034. \ t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{1,5},\,e_{2,5}}, t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor e_{2,5}$$

$$3035. \ t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$3036. \ t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,5}, e_{2,5}}, t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,5}$$

$$3037. \ t_{e_{1,6}, \, \neg e_{2,6}} \lor t_{e_{1,5}, \, e_{2,5}}, \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5} \vdash t_{e_{1,6}, \, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5}$$

3038.
$$t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, e_{2,3}}$$

$$3039. \ t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,5},\, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,3} \vdash e_{1,5} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor e_{2,3}$$

3040.
$$t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,5}, e_{2,5}}, \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor e_{1,2} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,5} \lor e_{1,2}$$

$$3041. \ t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,5},\, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5} \vdash e_{1,5} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor e_{2,5}$$

3042.
$$t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \vdash e_{1,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,5}$$

3043.
$$t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{1,2} \vdash e_{1,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,2}$$

3044.
$$t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,5}, e_{2,5}}, \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor e_{1,3} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,5} \lor e_{1,3}$$

3045.
$$t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

$$3046. \ t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}}, \neg t_{e_{1,2}, \, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$3047. \ t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

$$3048. \ t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,2}$$

$$3049. \ t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

$$3050. \ t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

$$3051. \ t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

$$3052. \ t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

$$3053. \ t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}}, t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{e_{1,2}, \, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3}$$

$$3054. \ t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}}, \neg t_{e_{1,2}, \, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

3055.
$$t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$3056.\ t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}}, \neg t_{e_{1,2},\, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

3057.
$$t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

3058.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor \neg e_{1,4} \lor e_{2,4} \vdash e_{4,5} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{2,4}$$

$$3059. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{4,6} \lor e_{1,4} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3060. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor e_{1,4}$$

$$3061. \ e_{1,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \vee t_{e_{2,5}, e_{2,6}} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{2,5}, e_{2,6}} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee e_{1,4}$$

$$3062. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4} \vdash t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4},$$

$$3063. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,4}$$

$$3064. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor e_{1,4}$$

$$3065. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$3066. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,4}$$

$$3067. \ e_{1,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}}, t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}} \lor e_{1,4}$$

$$3068. \ e_{1,4} \vee \neg t_{e_{1,4}, \, \neg e_{2,4}}, t_{e_{1,4}, \, \neg e_{2,4}} \vee t_{e_{4,5}, \, \neg e_{4,6}} \vee t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{4,5}, \, \neg e_{4,6}} \vee t_{\neg e_{4,5}, \, \neg e_{4,6}} \vee e_{1,4}$$

$$3069. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{1,4}$$

$$3070. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{1,4}$$

$$3071. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor e_{1,4}$$

$$3072. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,4}$$

$$3073. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash e_{4,5} \lor e_{1,4} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3074. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$3075. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{1,4} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,$$

$$3076. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$3077. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,4}$$

$$3078. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor e_{1,4}$$

$$3079. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{5,6} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor e_{1,4}$$

$$3080. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor e_{1,4}$$

$$3081. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3082. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4},$$

$$3083. \ e_{1,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}}, t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor \neg e_{4,5} \vdash \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor \neg e_{4,5} \lor e_{1,4}$$

3084.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, t_{e_{1,4}}, \neg e_{2,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4} \vdash e_{1,4} \lor \neg e_{2,4}$$

3085.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, e_{4,6} \lor \neg e_{1,4} \lor e_{2,4} \vdash e_{4,6} \lor \neg t_{e_{1,4}}, \neg e_{2,4} \lor e_{2,4}$$

$$3086. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \lor e_{1,4}$$

$$3087. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{1,4}$$

$$3088. \ e_{1,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \vee t_{e_{4,5}, \neg e_{4,6}} \vee t_{e_{4,5}, e_{4,6}} \vdash t_{e_{4,5}, \neg e_{4,6}} \vee t_{e_{4,5}, e_{4,6}} \vee e_{1,4}$$

3089.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor e_{1,4}$$

$$3090. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor e_{1,4}$$

$$3091. \ e_{1,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{2,4} \lor \neg e_{1,4} \vdash \neg e_{2,4} \lor e_{4,5} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}}$$

$$3092. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4} \vdash e_{1,4} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4}$$

$$3093. \ e_{1,4} \lor \neg t_{e_{1,4}}, \neg_{e_{2,4}}, t_{e_{1,4}}, \neg_{e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{1,4}$$

3094.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, \neg e_{1,4} \lor \neg e_{4,5} \lor e_{2,4} \vdash \neg t_{e_{1,4}}, \neg e_{2,4} \lor \neg e_{4,5} \lor e_{2,4}$$

$$3095. \ e_{1,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \vee t_{\neg e_{2,5}, e_{2,6}} \vee t_{e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{2,5}, e_{2,6}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,4}$$

$$3096. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,4}$$

$$3097. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3098. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{5,6} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{1,4}$$

3099.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, e_{5,6} \lor t_{e_{1,4}}, \neg e_{2,4} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor e_{1,4}$$

3100.
$$e_{1,4} \vee \neg t_{e_{1,4}}, \neg e_{2,4}, t_{e_{1,4}}, \neg e_{2,4} \vee \neg t_{e_{1,4}}, \neg e_{2,4} \vee e_{1,4} \vdash e_{1,4}$$

$$3101. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,4}$$

3102.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor e_{1,4}$$

$$3103. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{\neg e_{4,5}, e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor e_{1,4}$$

$$3104. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \lor e_{1,4}$$

$$3105. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor e_{1,4}$$

$$3106. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{5,6} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor e_{1,4}$$

$$3107. \ e_{1,4} \vee \neg t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,6} \vee t_{e_{1,4}, \, \neg e_{2,4}} \vee \neg t_{e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \vee \neg t_{e_{4,5}, \, e_{4,6}} \vee e_{1,4}$$

3108.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{5,6} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor e_{1,4} \lor \neg t_{e_{4,6}, e_{5,6}}$$

$$3109. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor e_{1,4}$$

3110.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, \neg e_{2,4} \lor \neg e_{1,4} \lor \neg e_{4,5} \vdash \neg e_{2,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4} \lor \neg e_{4,5}$$

3111.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, t_{e_{1,4}}, \neg e_{2,4} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}}, e_{4,6} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}}, e_{4,6} \lor e_{1,4}$$

3112.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor e_{1,4}$$

3113.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, \neg e_{4,6} \lor \neg e_{1,4} \lor e_{2,4} \vdash \neg e_{4,6} \lor \neg t_{e_{1,4}}, \neg e_{2,4} \lor e_{2,4}$$

$$3114. \ e_{1,4} \vee \neg t_{e_{1,4}, \, \neg e_{2,4}}, t_{e_{1,2}, \, e_{1,3}} \vee t_{e_{1,4}, \, \neg e_{2,4}} \vee t_{e_{1,5}, \, e_{1,6}} \vdash t_{e_{1,2}, \, e_{1,3}} \vee t_{e_{1,5}, \, e_{1,6}} \vee e_{1,4}$$

$$3115. \ e_{1,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,5}, e_{1,6}} \vee e_{1,4}$$

$$3116. \ e_{1,4} \vee \neg t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,6} \vee \neg e_{2,4} \vee \neg e_{1,4} \vdash e_{4,6} \vee \neg e_{2,4} \vee \neg t_{e_{1,4}, \, \neg e_{2,4}}$$

3117.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, \neg e_{2,4} \lor \neg e_{4,6} \lor \neg e_{1,4} \vdash \neg e_{2,4} \lor \neg e_{4,6} \lor \neg t_{e_{1,4}}, \neg e_{2,4}$$

$$3118. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{1,4} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

3119.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, t_{e_{1,4}}, \neg e_{2,4} \lor e_{4,5} \lor \neg t_{e_{4,5}}, e_{4,6} \vdash e_{4,5} \lor \neg t_{e_{4,5}}, e_{4,6} \lor e_{1,4}$$

3120.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, t_{e_{1,4}}, \neg e_{2,4} \lor \neg t_{\neg e_{1,4}}, e_{2,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4} \vdash e_{1,4} \lor \neg t_{\neg e_{1,4}}, e_{2,4}$$

$$3121. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{1,4} \vdash e_{4,5} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

$$3122. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{1,4} \lor \neg e_{4,5} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5}$$

3123.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{1,4} \vdash e_{4,6} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

3124.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{4,6} \lor \neg e_{1,4} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

$$3125. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor e_{2,4} \vdash e_{1,4} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor e_{2,4}$$

3126.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, t_{e_{1,4}}, \neg e_{2,4} \lor t_{e_{1,5}}, e_{2,5} \lor e_{2,4} \vdash t_{e_{1,5}}, e_{2,5} \lor e_{1,4} \lor e_{2,4}$$

$$3127. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor e_{2,4} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor e_{1,4} \lor e_{2,4}$$

3128.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor e_{1,4} \vdash e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3129.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash e_{1,4}$$

3130.
$$e_{1,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \vee e_{1,4} \vee e_{2,4} \vdash e_{1,4} \vee e_{2,4}$$

3131.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,4}, \neg e_{2,4}} \lor e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,4} \lor e_{2,6}$$

3132.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,4} \lor e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3133.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,6} \vdash e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,4}$$

3134.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,6}, e_{2,6}} \lor e_{1,6} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{1,6} \lor e_{1,4}$$

$$3135. \ \ e_{1,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}}, t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{1,4} \lor e_{2,6}$$

$$3136. \ \ e_{1,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}}, t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{1,4} \lor e_{2,6}$$

$$3137. \ e_{1,4} \vee \neg t_{e_{1,4}, \, \neg e_{2,4}}, t_{e_{1,4}, \, \neg e_{2,4}} \vee t_{e_{1,6}, \, \neg e_{2,6}} \vee e_{2,6} \vdash t_{e_{1,6}, \, \neg e_{2,6}} \vee e_{1,4} \vee e_{2,6}$$

3138.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg_{e_{2,4}}, t_{e_{1,4}}, \neg_{e_{2,4}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,4} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

$$3139. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,6} \lor e_{1,4}$$

3140.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,6} \lor e_{1,4}$$

3141.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg_{e_{2,4}}, t_{e_{1,4}}, \neg_{e_{2,4}} \lor \neg t_{e_{1,6}}, \neg_{e_{2,6}} \lor e_{1,6} \vdash \neg t_{e_{1,6}}, \neg_{e_{2,6}} \lor e_{1,6} \lor e_{1,4}$$

$$3142. \ e_{1,4} \vee \neg t_{e_{1,4}, \, \neg e_{2,4}}, t_{e_{1,4}, \, \neg e_{2,4}} \vee t_{e_{1,2}, \, e_{2,3}} \vee e_{1,6} \vdash t_{e_{1,2}, \, e_{2,3}} \vee e_{1,6} \vee e_{1,4}$$

3143.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor e_{2,4} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor e_{1,4} \lor e_{2,4}$$

3144.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, t_{e_{1,4}}, \neg e_{2,4} \lor t_{\neg e_{2,5}}, e_{2,6} \lor e_{2,3} \vdash t_{\neg e_{2,5}}, e_{2,6} \lor e_{2,3} \lor e_{1,4}$$

$$3145. \ e_{1,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \vee t_{e_{2,5}, \neg e_{2,6}} \vee e_{2,3} \vdash t_{e_{2,5}, \neg e_{2,6}} \vee e_{2,3} \vee e_{1,4}$$

3146.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,6} \lor e_{2,3} \vdash e_{1,6} \lor e_{2,3} \lor e_{1,4}$$

3147.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, t_{e_{1,2}}, e_{1,3} \lor t_{e_{1,4}}, \neg e_{2,4} \lor e_{2,6} \vdash t_{e_{1,2}}, e_{1,3} \lor e_{1,4} \lor e_{2,6}$$

$$3148. \ e_{1,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \vee e_{2,6} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,4} \vee e_{2,6} \vee t_{e_{1,2}, \neg e_{1,3}}$$

$$3149. \ e_{1,4} \vee \neg t_{e_{1,4}, \, \neg e_{2,4}}, t_{e_{1,4}, \, \neg e_{2,4}} \vee t_{\neg e_{1,2}, \, e_{2,3}} \vee e_{1,6} \vdash e_{1,6} \vee t_{\neg e_{1,2}, \, e_{2,3}} \vee e_{1,4}$$

$$3150. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,6}, e_{2,6}} \lor e_{1,6} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{1,6} \lor e_{1,4}$$

$$3151. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,4} \lor e_{2,6}$$

$$3152. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,4} \lor e_{2,6}$$

$$3153. \ e_{1,4} \vee \neg t_{e_{1,4}, \, \neg e_{2,4}}, t_{e_{1,4}, \, \neg e_{2,4}} \vee t_{e_{1,6}, \, \neg e_{2,6}} \vee e_{2,6} \vdash t_{e_{1,6}, \, \neg e_{2,6}} \vee e_{1,4} \vee e_{2,6}$$

$$3154. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,4} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

3155.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,6} \lor e_{1,4}$$

$$3156. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,6} \lor e_{1,4}$$

$$3157. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,6} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,6} \lor e_{1,4}$$

3158.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{1,6} \lor e_{1,4}$$

3159.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,6} \lor e_{2,3} \vdash e_{1,6} \lor e_{2,3} \lor e_{1,4}$$

$$3160. \ e_{1,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,5}, \neg e_{1,6}} \vee t_{e_{1,4}, \neg e_{2,4}} \vee e_{1,2} \vdash t_{e_{1,5}, \neg e_{1,6}} \vee e_{1,4} \vee e_{1,2}$$

$$3161. \ \ e_{1,4} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}}, t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,5}, \, e_{1,6}} \lor e_{1,2} \vdash t_{\lnot e_{1,5}, \, e_{1,6}} \lor e_{1,4} \lor e_{1,2}$$

3162.
$$e_{1,4} \vee \neg t_{e_{1,4}}, \neg e_{2,4}, t_{e_{1,4}}, \neg e_{2,4} \vee e_{1,2} \vee e_{2,6} \vdash e_{1,4} \vee e_{1,2} \vee e_{2,6}$$

3163.
$$e_{1,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \vee e_{1,2} \vee e_{2,6} \vdash e_{1,4} \vee e_{1,2} \vee e_{2,6}$$

$$3164. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{1,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,4}$$

3165.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,5} \vdash e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,4}$$

3166.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{2,5} \lor e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3167.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{1,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,4}$$

3168.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{1,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor e_{1,4} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3169.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \lor e_{1,4}$$

3170.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{1,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,4}$$

3171.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, t_{e_{1,2}}, e_{1,3} \lor t_{e_{1,4}}, \neg e_{2,4} \lor e_{2,5} \vdash t_{e_{1,2}}, e_{1,3} \lor e_{2,5} \lor e_{1,4}$$

$$3172. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{1,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,4}$$

3173.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, \neg e_{2,4}} \lor e_{2,5} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,5} \lor e_{1,4}$$

3174.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg_{e_{2,4}}, t_{e_{1,4}}, \neg_{e_{2,4}} \lor \neg t_{\neg e_{1,5}}, e_{2,5} \lor e_{2,5} \vdash \neg t_{\neg e_{1,5}}, e_{2,5} \lor e_{2,5} \lor e_{1,4}$$

3175.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{1,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,4}$$

3176.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, e_{1,5} \lor t_{e_{1,4}}, \neg e_{2,4} \lor e_{2,3} \vdash e_{1,5} \lor e_{2,3} \lor e_{1,4}$$

3177.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, t_{e_{1,4}}, \neg e_{2,4} \lor e_{2,5} \lor e_{1,2} \vdash e_{2,5} \lor e_{1,4} \lor e_{1,2}$$

3178.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{1,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor e_{2,5} \vdash e_{1,5} \lor e_{2,5} \lor e_{1,4}$$

$$3179. \ e_{1,4} \vee \neg t_{e_{1,4}, \, \neg e_{2,4}}, t_{e_{1,4}, \, \neg e_{2,4}} \vee t_{\neg e_{1,4}, \, e_{2,4}} \vee e_{2,4} \vdash t_{\neg e_{1,4}, \, e_{2,4}} \vee e_{1,4} \vee e_{2,4}$$

3180.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, e_{1,5} \lor t_{e_{1,4}}, \neg e_{2,4} \lor e_{2,5} \vdash e_{1,5} \lor e_{2,5} \lor e_{1,4}$$

3181.
$$e_{1,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \vee e_{1,6} \vee e_{2,6} \vdash e_{1,6} \vee e_{1,4} \vee e_{2,6}$$

3182.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg_{e_{2,4}}, t_{e_{1,4}}, \neg_{e_{2,4}} \lor e_{1,6} \lor e_{2,6} \vdash e_{1,6} \lor e_{1,4} \lor e_{2,6}$$

3183.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, t_{e_{1,4}}, \neg e_{2,4} \lor t_{\neg e_{1,6}, e_{2,6}} \lor e_{2,4} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{1,4} \lor e_{2,4}$$

3184.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, t_{e_{1,4}}, \neg e_{2,4} \lor e_{1,6} \lor e_{2,6} \vdash e_{1,6} \lor e_{1,4} \lor e_{2,6}$$

3185.
$$e_{1,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \vee e_{1,6} \vee e_{2,6} \vdash e_{1,6} \vee e_{1,4} \vee e_{2,6}$$

3186.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor e_{2,6} \lor e_{2,4} \vdash e_{1,4} \lor e_{2,6} \lor e_{2,4}$$

$$3187. \ e_{1,4} \vee \neg t_{e_{1,4}, \, \neg e_{2,4}}, t_{e_{1,4}, \, \neg e_{2,4}} \vee t_{e_{1,6}, \, e_{2,6}} \vee e_{2,4} \vdash t_{e_{1,6}, \, e_{2,6}} \vee e_{1,4} \vee e_{2,4}$$

3188.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, t_{e_{1,4}}, \neg e_{2,4} \lor t_{e_{2,5}}, \neg e_{2,6} \lor e_{1,2} \vdash t_{e_{2,5}}, \neg e_{2,6} \lor e_{1,4} \lor e_{1,2}$$

3189.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{2,5}, e_{2,6}} \lor e_{1,2} \vdash t_{\neg e_{2,5}, e_{2,6}} \lor e_{1,4} \lor e_{1,2}$$

3190.
$$e_{1,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \vee e_{1,6} \vee e_{1,2} \vdash e_{1,6} \vee e_{1,4} \vee e_{1,2}$$

3191.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, t_{e_{1,4}}, \neg e_{2,4} \lor e_{1,6} \lor e_{1,2} \vdash e_{1,6} \lor e_{1,4} \lor e_{1,2}$$

3192.
$$e_{1,4} \vee \neg t_{e_{1,4}}, \neg e_{2,4}, e_{1,5} \vee t_{e_{1,4}}, \neg e_{2,4} \vee e_{1,2} \vdash e_{1,5} \vee e_{1,4} \vee e_{1,2}$$

3193.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5} \lor e_{1,4} \vdash \neg e_{4,5} \lor e_{1,4}$$

3194.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$3195. \ e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, t_{e_{1,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}}, e_{2,4} \lor \neg t_{\neg e_{1,4}}, \neg e_{2,4} \vdash t_{\neg e_{1,4}}, e_{2,4} \lor \neg t_{\neg e_{1,4}}, \neg e_{2,4} \lor e_{1,4}$$

$$3196. \ \ e_{1,4} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}}, t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor e_{1,4}$$

3197.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,6} \lor e_{1,4} \vdash e_{1,4} \lor \neg e_{4,6}$$

3198.
$$e_{1,4} \vee \neg t_{e_{1,4}}, \neg e_{2,4}, t_{e_{1,4}}, \neg e_{2,4} \vee e_{4,5} \vee e_{1,4} \vdash e_{1,4} \vee e_{4,5}$$

3199.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{1,4}$$

3200.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,6} \lor e_{1,4} \vdash e_{1,4} \lor e_{4,6}$$

3201.
$$e_{1,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}, t_{e_{1,4}}, \neg e_{2,4} \lor \neg t_{\neg e_{1,4}}, \neg e_{2,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4} \vdash \neg t_{\neg e_{1,4}}, \neg e_{2,4} \lor e_{1,4}$$

3202.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,4} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,4} \lor e_{2,4}$$

$$3203. \ \ e_{1,4} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}}, t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor e_{1,4}$$

$$3204. \ e_{1,4} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}}, t_{e_{1,4}, \lnot e_{2,4}} \lor e_{4,5} \lor t_{\lnot e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor e_{1,4}$$

$$3205. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{4,5} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{4,5} \lor e_{1,4}$$

$$3206. \ \ e_{1,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}}, t_{e_{1,4}, \, \neg e_{2,4}} \lor e_{4,6} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash e_{4,6} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor e_{1,4}$$

$$3207. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor e_{1,4}$$

$$3208. \ e_{1,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,5}, \neg e_{2,5}} \vee t_{e_{1,4}, \neg e_{2,4}} \vee e_{2,4} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,4} \vee e_{2,4}$$

$$3209. \ \ e_{1,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}}, t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor e_{2,4} \vdash t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor e_{1,4} \lor e_{2,4}$$

3210.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,3} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor e_{1,3} \lor e_{1,4}$$

$$3211. \ e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,3} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,3} \lor e_{1,4}$$

3212.
$$e_{1,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \vee e_{1,3} \vee e_{2,6} \vdash e_{1,3} \vee e_{1,4} \vee e_{2,6}$$

3213.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,3} \lor e_{2,6} \vdash e_{1,3} \lor e_{1,4} \lor e_{2,6}$$

3214.
$$e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor e_{2,5} \lor e_{1,3} \vdash e_{2,5} \lor e_{1,3} \lor e_{1,4}$$

$$3215. \ \ t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,e_{2,5}}, \neg t_{\neg e_{1,4},\,e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4} \vdash \neg t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor e_{2,4}$$

$$3216. \ \ t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,e_{2,5}}, t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor e_{2,4}$$

$$3217. \ t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,e_{2,5}}, e_{1,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash t_{\neg e_{1,4},\,e_{2,4}} \lor e_{1,4} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$3218. \ t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,e_{2,5}}, e_{1,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

3219.
$$t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{1,4} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4} \vdash e_{1,4} \lor t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,4}$$

$$3220. \ t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,e_{2,5}}, e_{1,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4} \vdash e_{1,4} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor e_{2,4}$$

$$3221. \ t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{1,6},\,e_{2,6}}, t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,6},\,e_{2,6}} \lor e_{2,6} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor e_{2,6}$$

3222.
$$t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \lor e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3223. \ t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$3224. \ t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,6}, e_{2,6}}, t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,6}, e_{2,6}} \lor e_{1,6} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,6}$$

$$3225. \ t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}$$

$$3226. \ t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{1,6},\,e_{2,6}}, t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,6},\,e_{2,6}} \lor e_{2,6} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor e_{2,6}$$

$$3227. \ t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,6},\, e_{2,6}}, \neg t_{e_{1,6},\, e_{2,6}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor e_{2,6} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor e_{2,6}$$

$$3228. \ t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

3229.
$$t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$3230. \ t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,6},\, e_{2,6}}, \neg t_{e_{1,6},\, e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{1,6}$$

$$3231. \ t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{1,6},\,e_{2,6}}, \neg t_{e_{1,6},\,e_{2,6}} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \lor e_{1,6} \vdash t_{e_{1,6},\,\neg e_{2,6}} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \lor e_{1,6}$$

$$3232. \ t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,6}$$

3233.
$$t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \lor e_{1,6} \lor e_{2,3} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,6} \lor e_{2,3}$$

3234.
$$t_{e_{1.6}, \neg e_{2.6}} \lor t_{e_{1.6}, e_{2.6}}, \neg t_{e_{1.6}, e_{2.6}} \lor e_{1,2} \lor e_{2,6} \vdash t_{e_{1.6}, \neg e_{2.6}} \lor e_{1,2} \lor e_{2,6}$$

$$3235. \ \ t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,6},\, e_{2,6}}, \neg t_{e_{1,6},\, e_{2,6}} \lor e_{1,6} \lor e_{2,6} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,6} \lor e_{2,6}$$

$$3236. \ \ t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,6},\, e_{2,6}}, \neg t_{e_{1,6},\, e_{2,6}} \lor e_{1,6} \lor e_{2,6} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,6} \lor e_{2,6}$$

3237.
$$t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \lor e_{1,6} \lor e_{1,2} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,6} \lor e_{1,2}$$

$$3238. \ t_{e_{1,6},\, \neg e_{2,6}} \vee t_{e_{1,6},\, e_{2,6}}, \neg t_{e_{1,6},\, e_{2,6}} \vee e_{1,3} \vee e_{2,6} \vdash t_{e_{1,6},\, \neg e_{2,6}} \vee e_{1,3} \vee e_{2,6}$$

3239.
$$t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,6},\,e_{2,6}} \lor e_{2,6} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{2,6}$$

$$3240. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{1,2} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,6},\,e_{2,6}} \lor e_{1,2}$$

$$3241. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor e_{2,6} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{2,6} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$3242. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor e_{1,6} \lor t_{\neg e_{1,2},\,e_{2,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,6}$$

$$3243. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2},\,\neg e_{2,3}} \lor t_{e_{1,6},\,e_{2,6}} \lor e_{1,3}$$

$$3244. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, t_{\neg e_{1,6},\,e_{2,6}} \lor \neg t_{e_{1,6},\,e_{2,6}} \lor e_{1,6} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,6},\,e_{2,6}} \lor e_{1,6}$$

$$3245. \ \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,6} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,6}$$

$$3246. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,6},\,e_{2,6}} \lor e_{2,6} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor e_{2,6}$$

$$3247. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor e_{2,6} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor e_{2,6}$$

$$3248. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \lor \neg t_{\neg$$

3249.
$$t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$3250. \ \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,6}$$

$$3251. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,6},\,e_{2,6}} \lor e_{1,2}$$

$$3252. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,6},\,e_{2,6}} \lor e_{1,3}$$

$$3253. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \lor e_{1,6} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \lor e_{1,6}$$

$$3254. \ \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,e_{2,3}} \lor e_{1,6}$$

$$3255. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,6},\,e_{2,6}} \lor e_{1,3}$$

$$3256. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,6},\,e_{2,6}} \lor e_{1,2}$$

$$3257. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,6},\,e_{2,6}} \lor e_{1,3} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

3258.
$$t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,6}, e_{2,6}} \lor e_{1,2}$$

3259.
$$t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor e_{1,6} \lor e_{2,3} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{1,6} \lor e_{2,3}$$

3260.
$$t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor e_{1,2} \lor e_{2,6} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \lor e_{2,6}$$

3261.
$$t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{1,2} \vdash t_{e_{1,6}, e_{2,6}} \lor e_{1,3} \lor e_{1,2}$$

$$3262. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor e_{1,6} \lor e_{2,6} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{1,6} \lor e_{2,6}$$

3263.
$$t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor e_{1,6} \lor e_{2,6} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{1,6} \lor e_{2,6}$$

3264.
$$t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{1,2} \vdash t_{e_{1,6}, e_{2,6}} \lor e_{1,3} \lor e_{1,2}$$

$$3265. \ t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,6},\,e_{2,6}} \lor e_{1,6} \lor e_{1,2} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{1,6} \lor e_{1,2}$$

3266.
$$t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,2},\,e_{1,3}}, \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{1,2} \vdash t_{e_{1,6},\,e_{2,6}} \lor e_{1,3} \lor e_{1,2}$$

3267.
$$t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,6}, e_{2,6}} \lor e_{1,3} \lor e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{2,6}$$

3268.
$$t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{1,2} \vdash t_{e_{1,6}, e_{2,6}} \lor e_{1,3} \lor e_{1,2}$$

$$3269. \ \ t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}}, \neg t_{\neg e_{1,4},\,e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4} \vdash t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \lor e_{2,4} \vdash t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \lor e_{2,4} \lor e_{2,$$

$$3270. \ t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}}, t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor e_{2,4}$$

$$3271. \ t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}}, e_{1,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor e_{1,4}$$

$$3272. \ t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}}, e_{1,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash t_{\neg e_{1,5},\,\neg e_{2,5}} \lor e_{1,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash t_{\neg e_{1,5},\,\neg e_{2,5}} \lor e_{1,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash t_{\neg e_{1,5},\,\neg e_{2,5}} \lor e_{1,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_{$$

3273.
$$t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,4} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{1,4} \lor e_{2,4}$$

$$3274. \ t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}}, e_{1,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4} \vdash t_{\neg e_{1,5},\,\neg e_{2,5}} \lor e_{1,4} \lor e_{2,4}$$

$$3275. \ t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3276.\ t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{e_{1,5},\,e_{2,5}}, \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \vdash t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,5} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

$$3277. \ t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}, \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{2,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3278. \ t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3279. \ t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3280. \ t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, \, e_{2,5}}, t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{2,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3281. \ t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{1,5}, \, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$3282. \ t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}, t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{2,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3283.
$$t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$3284. \ t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}, t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3285. \ t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}, \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3286.\ t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3287.
$$t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,3} \vdash e_{1,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{2,3}$$

$$3288.\ t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{e_{1,5},\,e_{2,5}}, \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor e_{1,2} \vdash e_{2,5} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor e_{1,2}$$

3289.
$$t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \vdash e_{1,5} \lor e_{2,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3290.
$$t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \vdash e_{1,5} \lor e_{2,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3291.
$$t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{1,2} \vdash e_{1,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,2}$$

3292.
$$t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}, \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor e_{1,3} \vdash e_{2,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,3}$$

3293.
$$t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,2},e_{2,3}} \lor \neg t_{e_{1,2},\neg e_{2,3}} \lor e_{1,2} \vdash \neg t_{e_{1,2},\neg e_{2,3}} \lor e_{1,2}$$

3294.
$$t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,2},e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2},\neg e_{1,3}} \vdash e_{2,3} \lor t_{e_{1,2},\neg e_{1,3}}$$

3295.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor e_{1,2} \vdash e_{2,3} \lor e_{1,2}$$

3296.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{e_{1,2}, e_{1,3}}$$

3297.
$$t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,2},e_{2,3}} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor \neg t_{\neg e_{1,2},e_{2,3}}$$

3298.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,2}$$

3299.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{1,2}$$

3300.
$$t_{e_{1,2},e_{2,3}}, \neg t_{e_{1,2},e_{2,3}} \lor t_{\neg e_{1,3},e_{2,3}} \lor e_{1,2} \vdash e_{1,2} \lor t_{\neg e_{1,3},e_{2,3}}$$

3301.
$$t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}}$$

3302.
$$t_{e_{1,2}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, e_{2,3}} \vee e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{2,3}$$

3303.
$$e_{1,4}, e_{4,6} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{1,4} \vdash e_{4,6} \lor \neg t_{\neg e_{1,4}, e_{2,4}}$$

3304.
$$e_{1,4}, t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}$$

3305.
$$e_{1,4}$$
, $\neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}$

3306.
$$e_{1,4}, \neg e_{1,4} \lor \neg e_{4,5} \lor e_{2,4} \vdash \neg e_{4,5} \lor e_{2,4}$$

3307.
$$e_{1,4}$$
, $\neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{1,4} \lor \neg e_{4,5} \vdash \neg e_{4,5} \lor \neg t_{\neg e_{1,4}, e_{2,4}}$

3308.
$$e_{1,4}, e_{4,6} \lor \neg e_{2,4} \lor \neg e_{1,4} \vdash e_{4,6} \lor \neg e_{2,4}$$

3309.
$$e_{1,4}, \neg e_{2,4} \lor \neg e_{1,4} \lor \neg e_{4,5} \vdash \neg e_{4,5} \lor \neg e_{2,4}$$

3310.
$$e_{1,4}, e_{4,5} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{1,4} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor e_{4,5}$$

3311.
$$e_{1,4}, t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,6} \lor \neg e_{1,4} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,6}$$

3312.
$$e_{1,4}, e_{4,5} \lor \neg e_{1,4} \lor e_{2,4} \vdash e_{2,4} \lor e_{4,5}$$

3313.
$$e_{1,4}, t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5} \lor \neg e_{1,4} \vdash \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}$$

3314.
$$e_{1,4}, \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{4,6} \lor \neg e_{1,4} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{4,6}$$

3315.
$$e_{1,4}, e_{4,6} \lor \neg e_{1,4} \lor e_{2,4} \vdash e_{4,6} \lor e_{2,4}$$

3316.
$$e_{1,4}, t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,6} \lor \neg e_{1,4} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,6}$$

3317.
$$e_{1.4}$$
, $\neg e_{4.6} \lor \neg e_{1.4} \lor e_{2.4} \vdash e_{2.4} \lor \neg e_{4.6}$

3318.
$$e_{1,4}, \neg e_{2,4} \lor \neg e_{4,6} \lor \neg e_{1,4} \vdash \neg e_{4,6} \lor \neg e_{2,4}$$

3319.
$$e_{1,4}, t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{1,4} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}$$

3320.
$$e_{1,4}$$
, $\neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{1,4} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}$

3321.
$$e_{1,4}, t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg e_{1,4} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5}$$

3322.
$$e_{1,4}, \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4} \vdash \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3323.
$$e_{1,4}, e_{4,5} \lor \neg e_{2,4} \lor \neg e_{1,4} \vdash \neg e_{2,4} \lor e_{4,5}$$

3324.
$$e_{2,4}, \neg e_{2,4} \lor e_{4,5} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash e_{4,5} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

3325.
$$e_{2,4}, e_{4,5} \lor \neg e_{2,4} \lor e_{1,4} \vdash e_{1,4} \lor e_{4,5}$$

3326.
$$e_{2,4}, e_{4,6} \lor \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3327.
$$e_{2,4}, t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

3328.
$$e_{2,4}, \neg e_{2,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg e_{4,5} \vdash \neg e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

3329.
$$e_{2,4}, e_{4,6} \vee \neg e_{2,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}} \vdash e_{4,6} \vee \neg t_{e_{1,4}, \neg e_{2,4}}$$

3330.
$$e_{2,4}, e_{4,6} \vee \neg e_{2,4} \vee \neg e_{1,4} \vdash \neg e_{1,4} \vee e_{4,6}$$

3331.
$$e_{2,4}, \neg e_{2,4} \lor \neg e_{1,4} \lor \neg e_{4,5} \vdash \neg e_{4,5} \lor \neg e_{1,4}$$

3332.
$$e_{2,4}, \neg e_{2,4} \lor \neg e_{4,6} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{4,6} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

3333.
$$e_{2,4}, \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

$$3334. \ e_{2,4}, \neg e_{2,4} \vee \neg t_{e_{1,4}, \, \neg e_{2,4}} \vee \neg e_{4,5} \vdash \neg e_{4,5} \vee \neg t_{e_{1,4}, \, \neg e_{2,4}}$$

3335.
$$e_{2,4}, \neg e_{2,4} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3336.
$$e_{2,4}, \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}$$

3337.
$$e_{2,4}, \neg e_{2,4} \lor e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor e_{4,5}$$

3338.
$$e_{2,4}, t_{e_{1,4}, e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

3339.
$$e_{2,4}, \neg e_{2,4} \lor \neg e_{4,6} \lor \neg e_{1,4} \vdash \neg e_{4,6} \lor \neg e_{1,4}$$

3340.
$$e_{2,4}, \neg e_{2,4} \lor \neg e_{4,5} \lor e_{1,4} \vdash \neg e_{4,5} \lor e_{1,4}$$

3341.
$$e_{2,4}, \neg e_{2,4} \lor \neg e_{4,6} \lor e_{1,4} \vdash \neg e_{4,6} \lor e_{1,4}$$

3342.
$$e_{2,4}, e_{4,6} \lor \neg e_{2,4} \lor e_{1,4} \vdash e_{4,6} \lor e_{1,4}$$

3343.
$$e_{2,4}, \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3344. \ e_{2,4}, \neg e_{2,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

3345.
$$e_{2,4}, e_{4,5} \lor \neg e_{2,4} \lor \neg e_{1,4} \vdash \neg e_{1,4} \lor e_{4,5}$$

3346.
$$t_{e_{1,5}, e_{2,5}}, \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor e_{1,2} \vdash e_{2,5} \lor e_{1,2}$$

3347.
$$t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}}$$

3348.
$$t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,5}$$

3349.
$$t_{e_{1,5},\,e_{2,5}}, t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor e_{2,5}$$

3350.
$$t_{e_{1.5}, e_{2.5}}, \neg t_{\neg e_{1.5}, e_{2.5}} \lor \neg t_{e_{1.5}, e_{2.5}} \lor e_{2.5} \vdash \neg t_{\neg e_{1.5}, e_{2.5}} \lor e_{2,5}$$

3351.
$$t_{e_{1.5}, e_{2.5}}, t_{\neg e_{1.2}, e_{1.3}} \lor \neg t_{e_{1.5}, e_{2.5}} \lor e_{2.5} \vdash e_{2.5} \lor t_{\neg e_{1.2}, e_{1.3}}$$

3352.
$$t_{e_{1,5}, e_{2,5}}, \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,5}$$

3353.
$$t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \vdash e_{1,5} \lor e_{2,5}$$

3354.
$$t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3355.
$$t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}}$$

3356.
$$t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{2,3}}$$

3357.
$$t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{1,2} \vdash e_{1,5} \lor e_{1,2}$$

3358.
$$t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,3} \vdash e_{1,5} \lor e_{2,3}$$

3359.
$$t_{e_{1,5}, e_{2,5}}, t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{2,5}$$

3360.
$$t_{e_{1,5}, e_{2,5}}, e_{1,5} \vee \neg t_{e_{1,5}, e_{2,5}} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}}$$

3361.
$$t_{e_{1,5}, e_{2,5}}, \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor e_{1,3} \vdash e_{2,5} \lor e_{1,3}$$

3362.
$$t_{e_{1.5}, e_{2.5}}, \neg t_{e_{1.5}, e_{2.5}} \lor e_{2.5} \lor t_{e_{1.2}, \neg e_{1.3}} \vdash e_{2.5} \lor t_{e_{1.2}, \neg e_{1.3}}$$

3363.
$$e_{2,5}, t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{2,5}, e_{2,6}}$$

3364.
$$e_{2,5}, t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, e_{1,3}}$$

3365.
$$e_{2,5}$$
, $\neg t_{e_{1,2}}$, $\neg e_{2,3} \lor t_{e_{1,3}}$, $\neg e_{2,3} \lor \neg e_{2,5} \vdash t_{e_{1,3}}$, $\neg e_{2,3} \lor \neg t_{e_{1,2}}$, $\neg e_{2,3}$

3366.
$$e_{2,5}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3367.
$$e_{2,5}, \neg e_{5,6} \lor \neg e_{2,5} \lor e_{2,3} \vdash e_{2,3} \lor \neg e_{5,6}$$

$$3368. \ e_{2,5}, \neg e_{2,5} \lor t_{e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash t_{e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}}$$

3369.
$$e_{2,5}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor e_{2,3} \vdash e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

$$3370. \ e_{2,5}, \neg e_{1,2} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg e_{2,5} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, \, e_{1,3}}$$

3371.
$$e_{2,5}, \neg e_{2,5} \lor e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3372.
$$e_{2,5}$$
, $\neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$

3373.
$$e_{2,5}$$
, $\neg t_{e_{1,2}}$, $\neg e_{2,3} \lor \neg e_{2,5} \lor e_{2,3} \vdash e_{2,3} \lor \neg t_{e_{1,2}}$, $\neg e_{2,3}$

3374.
$$e_{2,5}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3375.
$$e_{2,5}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,5} \lor e_{1,2} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

3376.
$$e_{2,5}, t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{1,3}}$$

3377.
$$e_{2,5}, e_{4,5} \lor \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor e_{4,5}$$

3378.
$$e_{2,5}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3379.
$$e_{2,5}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3380.
$$e_{2,5}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg e_{2,5} \vdash \neg e_{1,2} \lor \neg e_{2,3}$$

3381.
$$e_{2,5}, e_{5,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \vdash e_{5,6} \lor t_{e_{1,2}, \neg e_{2,3}}$$

3382.
$$e_{2,5}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \lor e_{2,3} \vdash e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3383.
$$e_{2,5}, t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \lor e_{1,3} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

3384.
$$e_{2,5}$$
, $\neg t_{\neg e_{2,5}}$, $\neg e_{2,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{2,5}}$, $e_{2,6} \vdash \neg t_{\neg e_{2,5}}$, $\neg e_{2,6} \lor \neg t_{\neg e_{2,5}}$, $e_{2,6} \lor \neg t_{\neg e_{2,5}}$

$$3385. \ e_{2,5}, t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \, e_{1,3}}$$

3386.
$$e_{2,5}, e_{4,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,5}$$

$$3387. \ e_{2,5}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \vee \neg e_{2,5} \vee t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \vee t_{e_{1,2}, \, \neg e_{1,3}}$$

3388.
$$e_{2,5}, \neg e_{2,5} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,6} \vdash e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}}$$

3389.
$$e_{2,5}, \neg e_{2,5} \lor e_{2,3} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash e_{2,3} \lor \neg t_{\neg e_{2,5}, e_{2,6}}$$

3390.
$$e_{2,5}, e_{4,5} \lor \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{4,5}$$

3391.
$$e_{2,5}, t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor e_{1,3} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,3}$$

3392.
$$e_{2.5}, \neg e_{2.3} \lor \neg e_{2.5} \lor e_{1.2} \vdash e_{1.2} \lor \neg e_{2.3}$$

3393.
$$e_{2,5}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,3}$$

3394.
$$e_{2,5}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor e_{1,3} \vdash e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

3395.
$$e_{2,5}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor e_{2,3} \vdash e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3396.
$$e_{2,5}, e_{5,6} \lor \neg e_{2,5} \lor e_{2,3} \vdash e_{5,6} \lor e_{2,3}$$

3397.
$$e_{2,5}, t_{e_{1,3}, e_{2,3}} \vee \neg e_{2,5} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, e_{2,3}} \vee t_{e_{1,2}, \neg e_{1,3}}$$

3398.
$$e_{2,5}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

3399.
$$e_{2,5}, t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{2,3}$$

3400.
$$e_{2,5}, \neg e_{1,5} \lor e_{4,5} \lor \neg e_{2,5} \vdash \neg e_{1,5} \lor e_{4,5}$$

3401.
$$e_{2,5}, t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \lor e_{2,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

3402.
$$e_{2,5}, \neg e_{5,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6}$$

3403.
$$e_{2,5}, \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3404.
$$e_{2,5}, \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3405.
$$e_{2,5}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3406.
$$e_{2,5}, \neg e_{2,5} \lor e_{2,3} \lor e_{1,2} \vdash e_{2,3} \lor e_{1,2}$$

3407.
$$e_{2,5}, t_{e_{1,3}}, \neg e_{2,3} \lor \neg e_{2,5} \lor t_{e_{1,2}}, \neg e_{1,3} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor t_{e_{1,2}}, \neg e_{1,3}$$

3408.
$$e_{2,5}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}}$$

3409.
$$e_{2,5}, e_{5,6} \lor e_{1,5} \lor \neg e_{2,5} \vdash e_{5,6} \lor e_{1,5}$$

3410.
$$e_{2,5}, \neg e_{2,5} \lor e_{1,3} \lor e_{2,3} \vdash e_{1,3} \lor e_{2,3}$$

3411.
$$e_{2,5}, \neg e_{1,2} \lor \neg e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3412.
$$e_{2,5}, e_{5,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \vdash e_{5,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

3413.
$$e_{2,5}, t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, \neg e_{2,5}}$$

3414.
$$e_{2,5}, \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,2}$$

$$3415. \ e_{2,5}, t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,3}, \, e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{1,3}}$$

3416.
$$e_{2,5}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,5} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}}$$

3417.
$$e_{2,5}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3418.
$$e_{2,5}$$
, $\neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$

3419.
$$e_{2,5}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3420.
$$e_{2,5}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

3421.
$$e_{2,5}, e_{1,2} \lor \neg e_{2,5} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash \neg t_{\neg e_{2,5}, e_{2,6}} \lor e_{1,2}$$

3422.
$$e_{2,5}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \vdash \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3423.
$$e_{2,5}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \lor e_{1,2} \vdash e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3424.
$$e_{2,5}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,5} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3425.
$$e_{2,5}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

3426.
$$e_{2,5}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3427.
$$e_{2,5}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,5} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

3428.
$$e_{2,5}, \neg e_{5,6} \lor t_{e_{1,2}, e_{2,3}} \lor \neg e_{2,5} \vdash \neg e_{5,6} \lor t_{e_{1,2}, e_{2,3}}$$

3429.
$$e_{2,5}, e_{4,5} \lor \neg e_{2,5} \lor e_{2,3} \vdash e_{2,3} \lor e_{4,5}$$

3430.
$$e_{2,5}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$3431. \ e_{2,5}, t_{e_{1,6},\, \neg e_{2,6}} \vee \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \vee \neg e_{2,5} \vdash t_{e_{1,6},\, \neg e_{2,6}} \vee \neg t_{\neg e_{2,5},\, \neg e_{2,6}}$$

3432.
$$e_{2,5}, \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{2,5}, e_{2,6}}$$

3433.
$$e_{2,5}, \neg e_{5,6} \lor \neg e_{1,5} \lor \neg e_{2,5} \vdash \neg e_{1,5} \lor \neg e_{5,6}$$

3434.
$$e_{2,5}, t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

3435.
$$e_{2.5}, \neg e_{2.5} \lor e_{1.3} \lor e_{1.2} \vdash e_{1.3} \lor e_{1.2}$$

3436.
$$e_{2,5}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \vdash \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}}$$

3437.
$$e_{2,5}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

3438.
$$e_{2,5}, t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

3439.
$$e_{2,5}, \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,5} \lor e_{1,3} \vdash e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

3440.
$$e_{2,5}, e_{4,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{4,5}$$

3441.
$$e_{2,5}, \neg e_{1,2} \lor \neg e_{2,5} \lor e_{1,3} \vdash \neg e_{1,2} \lor e_{1,3}$$

3442.
$$e_{2,5}, t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3443.
$$e_{2,5}, e_{1,5} \lor \neg e_{5,6} \lor \neg e_{2,5} \vdash e_{1,5} \lor \neg e_{5,6}$$

3444.
$$e_{2,5}$$
, $\neg t_{e_{1,2}}$, $\neg e_{1,3} \lor t_{e_{1,2}}$, $\neg e_{2,3} \lor \neg e_{2,5} \vdash t_{e_{1,2}}$, $\neg e_{2,3} \lor \neg t_{e_{1,2}}$, $\neg e_{1,3}$

3445.
$$e_{2,5}, \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3446.
$$e_{2,5}, \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,2} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,2}$$

3447.
$$e_{2,5}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3448.
$$e_{2,5}, e_{5,6} \lor \neg e_{1,5} \lor \neg e_{2,5} \vdash e_{5,6} \lor \neg e_{1,5}$$

3449.
$$e_{2,5}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3450.
$$e_{2,5}, \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

3451.
$$e_{2,5}, \neg e_{5,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{5,6}$$

3452.
$$e_{2,5}, t_{e_{1,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}}, \neg e_{2,3}$$

3453.
$$e_{2,5}, e_{4,5} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor \lnot e_{2,5} \vdash t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor e_{4,5}$$

3454.
$$e_{2,5}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

3455.
$$e_{2,5}, t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \lor e_{1,2} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

3456.
$$e_{2,5}, e_{4,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{4,5}$$

3457.
$$e_{2,5}$$
, $\neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \lor e_{1,2} \vdash e_{1,2} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$

3458.
$$e_{2,5}$$
, $\neg t_{\neg e_{2,5}}$, $\neg e_{2,6} \lor \neg e_{2,5} \lor e_{2,3} \vdash e_{2,3} \lor \neg t_{\neg e_{2,5}}$, $\neg e_{2,6}$

$$3459. \ e_{2,5}, t_{e_{1,3},\, \neg e_{2,3}} \vee \neg t_{\neg e_{1,3},\, e_{2,3}} \vee \neg e_{2,5} \vdash t_{e_{1,3},\, \neg e_{2,3}} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}$$

3460.
$$e_{2,5}, e_{1,5} \lor \neg e_{2,5} \lor \neg e_{4,5} \vdash e_{1,5} \lor \neg e_{4,5}$$

3461.
$$e_{2,5}, t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

3462.
$$e_{2,5}, \neg e_{1,2} \lor \neg e_{2,5} \lor e_{2,3} \vdash \neg e_{1,2} \lor e_{2,3}$$

3463.
$$e_{2,5}, \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, e_{2,3}} \lor \neg e_{2,5} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, e_{2,3}}$$

3464.
$$e_{2,5}, \neg e_{2,5} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor \neg e_{4,5}$$

3465.
$$e_{2,5}, e_{5,6} \lor \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{5,6} \lor t_{\neg e_{1,2}, e_{2,3}}$$

3466.
$$e_{2,5}, t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,5} \lor \neg e_{4,5} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{4,5}$$

3467.
$$e_{2,5}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

3468.
$$e_{2,5}$$
, $\neg t_{\neg e_{1,5}}$, $\neg e_{2,5} \lor \neg t_{e_{1,5}}$, $\neg e_{2,5} \vdash \neg t_{\neg e_{1,5}}$, $\neg e_{2,5} \lor \neg t_{e_{1,5}}$, $\neg e_{2,5} \lor \neg t_{e_{1,5}}$

$$3469. \ e_{2,5}, \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}$$

3470.
$$e_{2,5}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg e_{4,5} \vdash \neg e_{1,5} \lor \neg e_{4,5}$$

3471.
$$e_{2,5}, t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3472.
$$e_{2,5}$$
, $\neg t_{e_{1,2}}$, $\neg e_{1,3} \lor \neg t_{\neg e_{1,2}}$, $e_{2,3} \lor \neg e_{2,5} \vdash \neg t_{e_{1,2}}$, $\neg e_{1,3} \lor \neg t_{\neg e_{1,2}}$, $e_{2,3}$

3473.
$$e_{2,5}, t_{e_{1,3}}, \neg e_{2,3} \lor \neg e_{2,5} \lor e_{1,3} \vdash e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}$$

3474.
$$e_{2,5}$$
, $\neg t_{\neg e_{2,5}}$, $\neg e_{2,6} \lor e_{1,6} \lor \neg e_{2,5} \vdash e_{1,6} \lor \neg t_{\neg e_{2,5}}$, $\neg e_{2,6}$

$$3475. \ e_{2,5}, t_{\neg e_{1,2}, \, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \, e_{2,3}} \vee \neg e_{2,5} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \, e_{2,3}}$$

3476.
$$e_{2,5}, \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

3477.
$$e_{2,5}, \neg e_{2,5} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3478.
$$e_{2,5}, \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{1,3}$$

3479.
$$e_{2,5}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor e_{1,2} \vdash e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3480.
$$e_{2,5}, \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,5} \lor e_{1,2} \vdash e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

3481.
$$e_{2,5}, \neg e_{5,6} \lor \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor \neg e_{5,6}$$

3482.
$$e_{2,5}$$
, $\neg t_{\neg e_{2,5}}$, $\neg e_{2,6} \lor \neg e_{2,5} \lor e_{1,2} \vdash \neg t_{\neg e_{2,5}}$, $\neg e_{2,6} \lor e_{1,2}$

3483.
$$e_{2,5}, t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{2,5}, e_{2,6}}$$

3484.
$$e_{2,5}, \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

3485.
$$e_{2,5}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3486.
$$e_{2,5}, e_{5,6} \lor \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3487.
$$e_{2,5}, e_{1,5} \lor e_{4,5} \lor \neg e_{2,5} \vdash e_{1,5} \lor e_{4,5}$$

3488.
$$e_{2,5}, e_{5,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash e_{5,6} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

3489.
$$e_{2,5}$$
, $\neg t_{\neg e_{2,5}}$, $\neg e_{2,6} \lor \neg e_{2,5} \lor t_{\neg e_{1,2}}$, $e_{2,3} \vdash t_{\neg e_{1,2}}$, $e_{2,3} \lor \neg t_{\neg e_{2,5}}$, $\neg e_{2,6}$

3490.
$$e_{2,5}, e_{5,6} \lor t_{e_{1,2}, e_{2,3}} \lor \neg e_{2,5} \vdash e_{5,6} \lor t_{e_{1,2}, e_{2,3}}$$

3491.
$$e_{2,5}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

3492.
$$e_{2,5}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \lor e_{1,3} \vdash e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

3493.
$$e_{2,5}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,5} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

3494.
$$e_{2,5}$$
, $\neg t_{\neg e_{2,5}}$, $\neg e_{2,6} \lor t_{\neg e_{1,6}}$, $\neg e_{2,6} \lor \neg e_{2,5} \vdash \neg t_{\neg e_{2,5}}$, $\neg e_{2,6} \lor t_{\neg e_{1,6}}$, $\neg e_{2,6}$

3495.
$$e_{2,5}, t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$3496. \ e_{2,5}, \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{2,5} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}$$

3497.
$$e_{2,5}, t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,\neg e_{2,3}}$$

3498.
$$e_{2,5}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3499.
$$e_{2,5}$$
, $\neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$

3500.
$$e_{2,5}, t_{e_{1,2}, e_{2,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash \neg t_{\neg e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, e_{2,3}}$$

3501.
$$e_{2,5}$$
, $\neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$

3502.
$$e_{2,5}, \neg e_{2,3} \lor \neg e_{2,5} \lor e_{1,3} \vdash e_{1,3} \lor \neg e_{2,3}$$

3503.
$$e_{2,5}, t_{e_{1,2}, e_{2,3}} \lor \neg e_{2,5} \lor \neg e_{4,5} \vdash \neg e_{4,5} \lor t_{e_{1,2}, e_{2,3}}$$

3504.
$$e_{2,5}, t_{e_{1,2}, e_{1,3}} \vee \neg e_{2,5} \vee e_{1,2} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{1,2}$$

3505.
$$e_{2,5}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor e_{1,2} \vdash e_{1,2} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

$$3506. \ e_{2,5}, \neg e_{2,5} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vee e_{1,2} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vee e_{1,2}$$

3507.
$$e_{2,5}, \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,3} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,3}$$

3508.
$$e_{2,5}, \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3509.
$$e_{2,5}, t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3510.
$$e_{2,5}, \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,5} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,5}$$

$$3511. \ e_{2,5}, \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}$$

3512.
$$e_{2,5}$$
, $\neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \lor e_{1,3} \vdash e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$

3513.
$$e_{2,5}, t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \lor e_{1,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

3514.
$$e_{2,5}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3515.
$$e_{2,5}, \neg e_{2,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

3516.
$$e_{2,5}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,5} \lor e_{2,3} \vdash e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}$$

3517.
$$e_{2,5}, t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

3518.
$$e_{2,5}, \neg e_{2,5} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3519.
$$e_{2,5}, \neg e_{2,3} \lor \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,3}$$

$$3520. \ e_{2,5}, t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{e_{1,2},\,e_{1,3}}$$

3521.
$$e_{2,5}$$
, $\neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,5} \lor e_{2,3} \vdash e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$

3522.
$$e_{2,5}, t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \lor e_{2,3} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

3523.
$$e_{2,5}, t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{2,5}, e_{2,6}}$$

$$3524. \ e_{2,5}, \neg e_{5,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{5,6}$$

3525.
$$e_{2,5}, t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \lor \neg e_{4,5} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{4,5}$$

3526.
$$e_{2,5}, \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

3527.
$$e_{2,5}, \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{4,5} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{4,5}$$

3528.
$$e_{2,5}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3529.
$$e_{2,5}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_{2,5} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3}$$

$$3530. \ e_{2,5}, \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,5} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}}$$

3531.
$$e_{2,5}, \neg e_{5,6} \lor \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{5,6}$$

3532.
$$e_{2,5}, \neg e_{2,5} \lor \neg e_{4,5} \lor e_{2,3} \vdash \neg e_{4,5} \lor e_{2,3}$$

3533.
$$e_{2,5}, t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

3534.
$$e_{2,5}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_{2,5} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3}$$

$$3535. \ e_{1,6}, \neg e_{1,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}}$$

3536.
$$e_{1,6}, \neg e_{1,3} \lor \neg e_{1,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}$$

3537.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2}$$

3538.
$$e_{1,6}, \neg e_{1,6} \lor \neg e_{5,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{5,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3539.
$$e_{1,6}, e_{5,6} \vee \neg e_{1,6} \vee t_{e_{1,6}, \neg e_{2,6}} \vdash e_{5,6} \vee t_{e_{1,6}, \neg e_{2,6}}$$

3540.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

3541.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

3542.
$$e_{1,6}, e_{5,6} \lor \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash e_{5,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3543.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3544.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,3}$$

3545.
$$e_{1,6}, \neg e_{1,2} \lor \neg e_{1,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3546.
$$e_{1,6}$$
, $\neg e_{1,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$

$$3547. \ e_{1,6}, \neg e_{1,6} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, \neg e_{1,3}}$$

3548.
$$e_{1,6}, \neg e_{1,2} \lor \neg e_{1,6} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, \, e_{2,3}}$$

3549.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}}$$

3550.
$$e_{1,6}, \neg e_{1,6} \lor \neg e_{5,6} \lor e_{2,6} \vdash \neg e_{5,6} \lor e_{2,6}$$

3551.
$$e_{1,6}, \neg e_{1,6} \lor e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3552.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3553.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

3554.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

3555.
$$e_{1,6}, \neg e_{1,6} \lor \neg e_{5,6} \lor e_{1,2} \vdash \neg e_{5,6} \lor e_{1,2}$$

3556.
$$e_{1,6}, \neg e_{1,3} \lor \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{2,3}}$$

3557.
$$e_{1,6}, e_{5,6} \vee \neg e_{1,6} \vee e_{1,2} \vdash e_{5,6} \vee e_{1,2}$$

3558.
$$e_{1,6}, \neg e_{1,6} \lor \neg e_{5,6} \lor e_{1,3} \vdash \neg e_{5,6} \lor e_{1,3}$$

3559.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

3560.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

3561.
$$e_{1,6}, \neg e_{1,2} \lor \neg e_{1,6} \lor e_{1,3} \vdash \neg e_{1,2} \lor e_{1,3}$$

3562.
$$e_{1,6}, \neg e_{1,6} \lor \neg e_{4,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{4,6}$$

3563.
$$e_{1,6}, \neg e_{1,3} \lor \neg e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

3564.
$$e_{1,6}, \neg e_{1,6} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3565.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

3566.
$$e_{1,6}, e_{5,6} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

3567.
$$e_{1,6}, \neg e_{1,3} \lor \neg e_{1,6} \lor e_{2,3} \vdash \neg e_{1,3} \lor e_{2,3}$$

3568.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

3569.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

3570.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$3571. \ e_{1,6}, t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}}$$

3572.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

3573.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

3574.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

3575.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

3576.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

3577.
$$e_{1,6}, \neg e_{1,6} \lor \neg e_{4,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{4,6}$$

3578.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor e_{1,2} \vdash e_{1,2} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

3579.
$$e_{1,6}, \neg e_{1,6} \lor \neg e_{4,6} \lor e_{2,6} \vdash e_{2,6} \lor \neg e_{4,6}$$

3580.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

3581.
$$e_{1.6}, \neg e_{1.2} \lor \neg e_{1.3} \lor \neg e_{1.6} \vdash \neg e_{1.2} \lor \neg e_{1.3}$$

$$3582. \ e_{1,6}, \neg e_{1,6} \lor \neg e_{4,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{4,6}$$

$$3583. \ e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,6}, \, e_{2,6}} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}}$$

3584.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

3585.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

3586.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

3587.
$$e_{1,6}, t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

3588.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,5}, e_{2,5}}$$

3589.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

3590.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3591.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3592.
$$e_{1,6}, \neg e_{1,2} \lor \neg e_{1,6} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}}$$

$$3593. \ e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}}$$

3594.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

3595.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

3596.
$$e_{1,6}, \neg e_{1,3} \lor \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3597.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3598.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor e_{2,3}$$

3599.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

3600.
$$e_{1,6}, \neg e_{1,2} \lor \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}}$$

3601.
$$e_{1,6}, \neg e_{1,2} \lor \neg e_{1,6} \lor e_{2,3} \vdash \neg e_{1,2} \lor e_{2,3}$$

3602.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3603.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

3604.
$$e_{1,6}, \neg e_{1,6} \lor \neg e_{5,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3605.
$$e_{1,6}, \neg e_{1,6} \lor \neg e_{4,6} \lor e_{1,3} \vdash e_{1,3} \lor \neg e_{4,6}$$

3606.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3607.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

3608.
$$e_{1.6}$$
, $\neg e_{1.6} \lor e_{4.6} \lor e_{1.2} \vdash e_{4.6} \lor e_{1.2}$

3609.
$$e_{1,6}, \neg e_{1,2} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$3610. \ e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

3611.
$$e_{1,6}, \neg e_{1,6} \lor e_{1,2} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}} \vdash e_{1,2} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}}$$

$$3612. \ e_{1,6}, \neg e_{1,6} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{e_{1,2},\, e_{1,3}}$$

3613.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,2}$$

3614.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

3615.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3616.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3617.
$$e_{1,6}, \neg e_{1,6} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3618.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

3619.
$$e_{1,6}, \neg e_{1,6} \lor \neg e_{4,6} \lor e_{1,2} \vdash e_{1,2} \lor \neg e_{4,6}$$

3620.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash e_{1,2} \lor t_{e_{1,2}, e_{2,3}}$$

3621.
$$e_{1,6}, \neg e_{1,6} \lor \neg e_{4,6} \lor \neg e_{2,6} \vdash \neg e_{2,6} \lor \neg e_{4,6}$$

3622.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

3623.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

3624.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor e_{1,3} \vdash \neg t_{e_{1,5}, \neg e_{1,6}} \lor e_{1,3}$$

3625.
$$e_{1,6}, e_{5,6} \lor t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,6} \vdash e_{5,6} \lor t_{e_{1,2}, e_{1,3}}$$

3626.
$$e_{1,6}, \neg e_{1,6} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{2,5}$$

3627.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{4,6} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{4,6}$$

3628.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor e_{1,2}$$

3629.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3630.
$$e_{1,6}, \neg e_{1,6} \lor e_{4,6} \lor e_{1,3} \vdash e_{4,6} \lor e_{1,3}$$

3631.
$$e_{1,6}, t_{e_{1,2}, e_{1,3}} \vee \neg e_{1,6} \vee \neg e_{4,6} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg e_{4,6}$$

3632.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3633.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3634.
$$e_{1,6}, \neg e_{1,3} \lor \neg e_{1,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3635.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \vdash e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

3636.
$$e_{1,6}, e_{5,6} \vee \neg e_{1,6} \vee e_{1,3} \vdash e_{5,6} \vee e_{1,3}$$

3637.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$3638. \ e_{1,6}, \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{1,2} \vdash \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{1,2}$$

3639.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,3} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,3}$$

3640.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3641.
$$e_{1,6}, \neg e_{1,6} \lor \neg e_{5,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$3642. \ e_{1,6}, \neg e_{1,6} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, e_{2,3}}$$

3643.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

3644.
$$e_{1,6}, \neg e_{1,6} \lor e_{4,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

3645.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{1,3}$$

3646.
$$e_{1,6}, \neg e_{1,6} \lor e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{4,6}$$

3647.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

3648.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

3649.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, e_{2,3}}$$

3650.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}}$$

3651.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3652.
$$e_{1,6}, \neg e_{1,6} \lor e_{2,3} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}} \vdash e_{2,3} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}}$$

3653.
$$e_{1,6}, \neg e_{1,2} \lor \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3654. \ e_{1,6}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}}$$

3655.
$$e_{1,6}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

3656.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3657.
$$e_{1,6}, \neg e_{1,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

3658.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

3659.
$$e_{1,6}, \neg e_{1,6} \lor \neg e_{5,6} \lor \neg e_{2,6} \vdash \neg e_{2,6} \lor \neg e_{5,6}$$

3660.
$$e_{1,6}, \neg e_{1,6} \lor \neg e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{5,6}$$

3661.
$$e_{1,6}, \neg e_{1,6} \lor e_{2,3} \lor e_{1,2} \vdash e_{2,3} \lor e_{1,2}$$

$$3662. \ e_{1,6}, \neg e_{1,6} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}}$$

3663.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{4,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{4,6}$$

3664.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

3665.
$$e_{1,6}, \neg e_{1,6} \lor e_{1,3} \lor e_{2,3} \vdash e_{2,3} \lor e_{1,3}$$

3666.
$$e_{1,6}, \neg e_{1,6} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,2} \lor e_{1,3}$$

3667.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

3668.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3669.
$$e_{1,6}, \neg e_{1,2} \lor \neg e_{1,6} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

3670.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3671.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3672.
$$e_{1,6}, e_{5,6} \lor \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash e_{5,6} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3673.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

3674.
$$e_{1,6}, \neg e_{1,6} \lor e_{4,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash e_{4,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3675.
$$e_{1,6}, \neg e_{1,3} \lor \neg e_{1,6} \lor e_{1,2} \vdash \neg e_{1,3} \lor e_{1,2}$$

3676.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

3677.
$$e_{1,6}, e_{5,6} \vee \neg e_{1,6} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash e_{5,6} \vee t_{e_{1,2}, \neg e_{1,3}}$$

3678.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3679.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

3680.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

3681.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,3} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,3}$$

3682.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3683.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}}$$

3684.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

3685.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3686.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3687.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

3688.
$$e_{1,6}, t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,6} \lor e_{4,6} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{4,6}$$

$$3689. \ e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}}$$

3690.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3691.
$$e_{1,6}, e_{5,6} \vee \neg e_{1,6} \vee e_{2,6} \vdash e_{5,6} \vee e_{2,6}$$

3692.
$$e_{1,6}, t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,6} \lor \neg e_{5,6} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{5,6}$$

3693.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

3694.
$$e_{1,6}, \neg e_{1,3} \lor \neg e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

3695.
$$e_{1.6}, e_{5.6} \lor \neg e_{1.6} \lor \neg e_{2.6} \vdash e_{5.6} \lor \neg e_{2.6}$$

3696.
$$e_{1,6}, \neg e_{1,6} \lor e_{4,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash e_{4,6} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$3697. \ e_{1,6}, \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

3698.
$$e_{1,6}, \neg e_{1,6} \lor e_{4,6} \lor \neg e_{2,6} \vdash \neg e_{2,6} \lor e_{4,6}$$

3699.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3700.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

3701.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{e_{1,2}, e_{2,3}}$$

3702.
$$e_{1,6}, \neg e_{1,3} \lor \neg e_{1,6} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}$$

3703.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$3704. \ e_{1,6}, t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

3705.
$$e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3706.
$$e_{1,6}, \neg e_{1,6} \lor e_{4,6} \lor e_{2,6} \vdash e_{4,6} \lor e_{2,6}$$

3707.
$$e_{1,6}, \neg e_{1,6} \lor e_{4,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{4,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3708.
$$e_{2,6}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg e_{2,6} \vdash \neg e_{1,2} \lor \neg e_{2,3}$$

3709.
$$e_{2,6}, e_{5,6} \lor t_{e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash e_{5,6} \lor t_{e_{1,2}, e_{2,3}}$$

3710.
$$e_{2,6}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3711.
$$e_{2,6}, \neg e_{4,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{4,6}$$

3712.
$$e_{2,6}, t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{2,5}, \neg e_{2,6}}$$

3713.
$$e_{2,6}, t_{e_{1,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

3714.
$$e_{2,6}, e_{5,6} \lor e_{1,6} \lor \neg e_{2,6} \vdash e_{5,6} \lor e_{1,6}$$

3715.
$$e_{2,6}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

3716.
$$e_{2.6}, \neg e_{1.2} \lor e_{1.3} \lor \neg e_{2.6} \vdash \neg e_{1.2} \lor e_{1.3}$$

3717.
$$e_{2,6}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3718.
$$e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{2,3}$$

3719.
$$e_{2,6}$$
, $\neg t_{\neg e_{1,6}}$, $\neg e_{2,6} \lor e_{1,3} \lor \neg e_{2,6} \vdash e_{1,3} \lor \neg t_{\neg e_{1,6}}$, $\neg e_{2,6}$

3720.
$$e_{2,6}, \neg e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{5,6}$$

3721.
$$e_{2,6}, \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor e_{1,2} \vdash e_{1,2} \lor \neg t_{e_{1,6}, \neg e_{2,6}}$$

3722.
$$e_{2,6}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3723.
$$e_{2,6}$$
, $\neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}$

3724.
$$e_{2,6}, e_{2,3} \vee \neg e_{2,6} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash e_{2,3} \vee t_{e_{1,2}, \neg e_{1,3}}$$

3725.
$$e_{2,6}$$
, $\neg t_{e_{1,2}}$, $\neg e_{1,3} \lor \neg e_{2,6} \lor t_{e_{1,2}}$, $\neg e_{1,3} \vdash \neg t_{e_{1,2}}$, $\neg e_{1,3} \lor t_{e_{1,2}}$, $\neg e_{1,3}$

$$3726. \ e_{2,6}, \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}$$

3727.
$$e_{2,6}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \lor e_{1,2} \vdash e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3728.
$$e_{2,6}, \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \lor e_{1,2} \vdash e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

3729.
$$e_{2,6}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3730.
$$e_{2,6}, \neg e_{2,3} \lor \neg e_{2,6} \lor e_{1,2} \vdash e_{1,2} \lor \neg e_{2,3}$$

3731.
$$e_{2,6}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

3732.
$$e_{2,6}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}}$$

3733.
$$e_{2,6}, \neg e_{4,6} \lor \neg e_{2,6} \lor e_{1,2} \vdash e_{1,2} \lor \neg e_{4,6}$$

3734.
$$e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}$$

3735.
$$e_{2,6}$$
, $\neg t_{e_{1,2}}$, $\neg e_{2,3} \lor t_{e_{1,3}}$, $\neg e_{2,3} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2}}$, $\neg e_{2,3} \lor t_{e_{1,3}}$, $\neg e_{2,3}$

$$3736. \ e_{2,6}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}$$

3737.
$$e_{2,6}$$
, $\neg t_{e_{1,6}}$, $\neg e_{2,6} \lor \neg e_{2,6} \lor t_{e_{1,2}}$, $\neg e_{1,3} \vdash \neg t_{e_{1,6}}$, $\neg e_{2,6} \lor t_{e_{1,2}}$, $\neg e_{1,3}$

3738.
$$e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3739.
$$e_{2,6}, e_{5,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash e_{5,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

3740.
$$e_{2,6}, t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

3741.
$$e_{2,6}$$
, $\neg t_{\neg e_{2,5}}$, $\neg e_{2,6} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}}$, $\neg e_{2,6} \vdash \neg t_{\neg e_{2,5}}$, $\neg e_{2,6} \lor \neg t_{e_{2,5}}$, $\neg e_{2,6} \lor \neg t_{e_{2,5}}$

3742.
$$e_{2,6}, t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

3743.
$$e_{2.6}, \neg e_{5.6} \lor \neg e_{2.6} \lor e_{1.2} \vdash \neg e_{5.6} \lor e_{1.2}$$

3744.
$$e_{2,6}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3745.
$$e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3746.
$$e_{2,6}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,3}$$

$$3747. \ e_{2,6}, t_{e_{1,3}, \, \neg e_{2,3}} \vee \neg e_{2,3} \vee \neg e_{2,6} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \vee \neg e_{2,3}$$

3748.
$$e_{2,6}, e_{1,3} \lor \neg e_{2,6} \lor e_{1,2} \vdash e_{1,3} \lor e_{1,2}$$

3749.
$$e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,6} \lor e_{1,2} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

3750.
$$e_{2,6}, e_{4,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash e_{4,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

3751.
$$e_{2,6}, e_{4,6} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{4,6}$$

3752.
$$e_{2,6}$$
, $\neg t_{e_{1,2}}$, $\neg e_{2,3} \lor \neg e_{2,3} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2}}$, $\neg e_{2,3} \lor \neg e_{2,3}$

3753.
$$e_{2,6}, \neg e_{1,2} \lor e_{2,3} \lor \neg e_{2,6} \vdash \neg e_{1,2} \lor e_{2,3}$$

3754.
$$e_{2,6}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3755. \ e_{2,6}, \neg t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

3756.
$$e_{2,6}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

3757.
$$e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3758.
$$e_{2,6}, \neg e_{5,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{5,6}$$

3759.
$$e_{2,6}$$
, $\neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$

3760.
$$e_{2,6}, t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3761.
$$e_{2,6}, e_{4,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{4,6}$$

3762.
$$e_{2,6}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}}$$

3763.
$$e_{2,6}, t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \lor e_{1,2} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,2}$$

3764.
$$e_{2,6}, e_{4,6} \lor \neg e_{2,6} \lor e_{1,2} \vdash e_{4,6} \lor e_{1,2}$$

3765.
$$e_{2,6}, e_{2,3} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{2,3} \lor \neg t_{e_{2,5}, \neg e_{2,6}}$$

3766.
$$e_{2,6}, \neg e_{5,6} \lor t_{e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{5,6} \lor t_{e_{1,2}, e_{2,3}}$$

3767.
$$e_{2,6}, \neg e_{2,6} \lor e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3768.
$$e_{2,6}, t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

3769.
$$e_{2,6}$$
, $\neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$

3770.
$$e_{2,6}, e_{5,6} \vee \neg e_{2,6} \vee e_{1,2} \vdash e_{5,6} \vee e_{1,2}$$

3771.
$$e_{2,6}$$
, $\neg t_{e_{1,6}}$, $\neg e_{2,6} \lor t_{\neg e_{1,2}}$, $\neg e_{1,3} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}}$, $\neg e_{1,3} \lor \neg t_{e_{1,6}}$, $\neg e_{2,6}$

3772.
$$e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$3773. \ e_{2,6}, t_{e_{1,2}, \, e_{1,3}} \vee \neg t_{e_{1,2}, \, \neg e_{2,3}} \vee \neg e_{2,6} \vdash t_{e_{1,2}, \, e_{1,3}} \vee \neg t_{e_{1,2}, \, \neg e_{2,3}}$$

3774.
$$e_{2,6}, e_{4,6} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg e_{2,6} \vdash e_{4,6} \lor t_{e_{1,2},\, e_{2,3}}$$

$$3775. \ e_{2,6}, \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}$$

3776.
$$e_{2,6}, \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{4,6} \lor \neg e_{2,6} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{4,6}$$

3777.
$$e_{2,6}, t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{2,5}, \neg e_{2,6}}$$

3778.
$$e_{2,6}, t_{e_{1,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}}, \neg e_{2,3}$$

3779.
$$e_{2,6}, \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor e_{1,2} \vdash \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor e_{1,2}$$

3780.
$$e_{2,6}, t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

3781.
$$e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

3782.
$$e_{2,6}$$
, $\neg t_{e_{1,2}}$, $\neg e_{1,3} \lor e_{1,3} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2}}$, $\neg e_{1,3} \lor e_{1,3}$

3783.
$$e_{2,6}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3784.
$$e_{2,6}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \lor e_{1,2} \vdash e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3785.
$$e_{2,6}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3786.
$$e_{2,6}, \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

3787.
$$e_{2,6}, \neg e_{4,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{4,6}$$

3788.
$$e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

3789.
$$e_{2.6}$$
, $\neg e_{1.6} \lor \neg e_{4.6} \lor \neg e_{2.6} \vdash \neg e_{1.6} \lor \neg e_{4.6}$

$$3790. \ e_{2,6}, \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor t_{e_{1,2}, \, e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor t_{e_{1,2}, \, e_{2,3}}$$

$$3791. \ e_{2,6}, \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

3792.
$$e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3793.
$$e_{2,6}, t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{e_{1,6}, \neg e_{2,6}}$$

$$3794. \ e_{2,6}, \neg e_{5,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{5,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

3795.
$$e_{2,6}$$
, $\neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$

3796.
$$e_{2,6}$$
, $\neg t_{e_{1,6}}$, $\neg e_{2,6} \lor \neg t_{\neg e_{1,6}}$, $\neg e_{2,6} \lor \neg t_{\neg e_{1,6}}$, $\neg e_{2,6} \lor \neg t_{e_{1,6}}$, $\neg e_{2,6} \lor \neg t_{e_{1,6}}$

3797.
$$e_{2,6}, \neg e_{2,3} \lor e_{1,3} \lor \neg e_{2,6} \vdash e_{1,3} \lor \neg e_{2,3}$$

3798.
$$e_{2,6}, \neg e_{2,6} \lor e_{1,2} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{1,2} \lor \neg t_{e_{2,5}, \neg e_{2,6}}$$

$$3799. \ e_{2,6}, t_{e_{1,5}, \, \neg e_{2,5}} \vee \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \vee \neg e_{2,6} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \vee \neg t_{\neg e_{2,5}, \, \neg e_{2,6}}$$

3800.
$$e_{2,6}, \neg e_{4,6} \lor e_{1,6} \lor \neg e_{2,6} \vdash e_{1,6} \lor \neg e_{4,6}$$

3801.
$$e_{2,6}$$
, $\neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$

3802.
$$e_{2,6}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3803.
$$e_{2,6}$$
, $\neg t_{\neg e_{2,5}}$, $\neg e_{2,6} \lor t_{e_{1,2}}$, $\neg e_{2,3} \lor \neg e_{2,6} \vdash t_{e_{1,2}}$, $\neg e_{2,3} \lor \neg t_{\neg e_{2,5}}$, $\neg e_{2,6}$

3804.
$$e_{2,6}, t_{\neg e_{1,6}, e_{2,6}} \lor e_{4,6} \lor \neg e_{2,6} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{4,6}$$

3805.
$$e_{2,6}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{2,5} \lor \neg t_{e_{2,5}, \neg e_{2,6}}$$

3806.
$$e_{2,6}, \neg e_{1,2} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3807.
$$e_{2,6}$$
, $\neg t_{e_{1,2}}$, $\neg e_{2,3} \lor e_{1,3} \lor \neg e_{2,6} \vdash e_{1,3} \lor \neg t_{e_{1,2}}$, $\neg e_{2,3}$

3808.
$$e_{2,6}, \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,6}, e_{2,6}} \lor \neg e_{2,6} \vdash t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,6}, \neg e_{2,6}}$$

$$3809. \ e_{2,6}, t_{\neg e_{1,6}, \, e_{2,6}} \lor \neg t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor t_{\neg e_{1,6}, \, e_{2,6}}$$

3810.
$$e_{2,6}, t_{e_{1,2}, e_{2,3}} \vee \neg e_{4,6} \vee \neg e_{2,6} \vdash \neg e_{4,6} \vee t_{e_{1,2}, e_{2,3}}$$

3811.
$$e_{2,6}$$
, $\neg t_{\neg e_{2,5}}$, $\neg e_{2,6} \lor \neg e_{2,6} \lor e_{1,2} \vdash \neg t_{\neg e_{2,5}}$, $\neg e_{2,6} \lor e_{1,2}$

3812.
$$e_{2,6}, t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,\neg e_{1,3}}$$

$$3813. \ e_{2,6}, \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}}$$

3814.
$$e_{2,6}, e_{5,6} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash e_{5,6} \lor t_{e_{1,2}, \neg e_{2,3}}$$

3815.
$$e_{2,6}, \neg e_{5,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \vdash \neg e_{5,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}}$$

3816.
$$e_{2,6}, t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{4,6} \lor \neg e_{2,6} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{4,6}$$

3817.
$$e_{2,6}, e_{2,3} \lor \neg e_{2,6} \lor e_{1,2} \vdash e_{2,3} \lor e_{1,2}$$

3818.
$$e_{2,6}, e_{5,6} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash e_{5,6} \lor t_{\neg e_{1,2}, e_{2,3}}$$

3819.
$$e_{2,6}, t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3820.
$$e_{2,6}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6} \lor e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

3821.
$$e_{2,6}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3822.
$$e_{2,6}, \neg e_{1,6} \lor \neg e_{5,6} \lor \neg e_{2,6} \vdash \neg e_{1,6} \lor \neg e_{5,6}$$

3823.
$$e_{2,6}, \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3}$$

$$3824. \ e_{2,6}, t_{e_{1,5}, \, e_{2,5}} \lor \lnot e_{2,6} \lor \lnot t_{e_{2,5}, \, \lnot e_{2,6}} \vdash \lnot t_{e_{2,5}, \, \lnot e_{2,6}} \lor t_{e_{1,5}, \, e_{2,5}}$$

3825.
$$e_{2,6}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3826.
$$e_{2,6}$$
, $\neg t_{e_{1,2}}$, $\neg e_{2,3} \lor t_{\neg e_{1,2}}$, $e_{1,3} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2}}$, $\neg e_{2,3} \lor t_{\neg e_{1,2}}$, $e_{1,3}$

3827.
$$e_{2,6}, t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3828.
$$e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

3829.
$$e_{2,6}, \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3} \lor \neg e_{2,6} \vdash e_{1,3} \lor \neg t_{e_{1,6}, \neg e_{2,6}}$$

3830.
$$e_{2,6}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

3831.
$$e_{2,6}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,3}$$

3832.
$$e_{2,6}, t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

3833.
$$e_{2,6}, \neg e_{4,6} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{4,6}$$

3834.
$$e_{2,6}, t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

3835.
$$e_{2,6}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$3836. \ e_{2,6}, \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}$$

3837.
$$e_{2,6}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

3838.
$$e_{2,6}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3839.
$$e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{1,3}}$$

3840.
$$e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

3841.
$$e_{2,6}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{2,6} \vdash e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}}$$

3842.
$$e_{2,6}, t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3843.
$$e_{2,6}, e_{1,3} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3844.
$$e_{2,6}, t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

3845.
$$e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

3846.
$$e_{2,6}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3847.
$$e_{2,6}, t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3848. \ e_{2,6}, t_{e_{1,3}, \, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \, e_{2,3}} \vee \neg e_{2,6} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \, e_{2,3}}$$

3849.
$$e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3850.
$$e_{2,6}, t_{e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash \neg t_{e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, e_{2,3}}$$

3851.
$$e_{2,6}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3852.
$$e_{2,6}, \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{2,6} \lor e_{1,2} \vdash e_{1,2} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}$$

3853.
$$e_{2,6}, e_{5,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \vdash e_{5,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}}$$

3854.
$$e_{2,6}, e_{4,6} \lor \lnot t_{e_{1,6}, \lnot e_{2,6}} \lor \lnot e_{2,6} \vdash e_{4,6} \lor \lnot t_{e_{1,6}, \lnot e_{2,6}}$$

3855.
$$e_{2,6}$$
, $\neg e_{5,6} \lor e_{1,6} \lor \neg e_{2,6} \vdash \neg e_{5,6} \lor e_{1,6}$

3856.
$$e_{2,6}, t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \lor e_{1,2} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

3857.
$$e_{2,6}, \neg e_{2,6} \lor t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{e_{2,5}, \neg e_{2,6}}$$

$$3858. \ e_{2,6}, t_{\neg e_{1,2}, \, e_{1,3}} \vee \neg t_{e_{1,2}, \, \neg e_{1,3}} \vee \neg e_{2,6} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \vee t_{\neg e_{1,2}, \, e_{1,3}}$$

3859.
$$e_{2,6}, e_{1,5} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \vdash e_{1,5} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}$$

3860.
$$e_{2,6}, e_{5,6} \lor \neg e_{1,6} \lor \neg e_{2,6} \vdash e_{5,6} \lor \neg e_{1,6}$$

3861.
$$e_{2,6}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \vdash \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}}$$

3862.
$$e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}}$$

$$3863. \ e_{2,6}, t_{e_{1,2},\, \neg e_{2,3}} \vee \neg e_{2,6} \vee \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \vee \neg t_{e_{2,5},\, \neg e_{2,6}}$$

3864.
$$e_{2,6}, \neg e_{1,6} \lor e_{4,6} \lor \neg e_{2,6} \vdash \neg e_{1,6} \lor e_{4,6}$$

3865.
$$e_{2,6}$$
, $\neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$

$$3866. \ e_{2,6}, \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6} \vdash \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3867.
$$e_{2,6}$$
, $\neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$

3868.
$$e_{2,6}, t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

3869.
$$e_{2,6}, \neg e_{5,6} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{5,6}$$

3870.
$$e_{2,6}$$
, $\neg t_{e_{1,2}}$, $\neg e_{1,3} \lor t_{e_{1,2}}$, $\neg e_{2,3} \lor \neg e_{2,6} \vdash \neg t_{e_{1,2}}$, $\neg e_{1,3} \lor t_{e_{1,2}}$, $\neg e_{2,3}$

3871.
$$e_{2,6}$$
, $\neg t_{\neg e_{2,5}}$, $\neg e_{2,6} \lor e_{2,3} \lor \neg e_{2,6} \vdash e_{2,3} \lor \neg t_{\neg e_{2,5}}$, $\neg e_{2,6}$

3872.
$$e_{2,6}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,3}$$

3873.
$$e_{2,6}, t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,3} \lor \neg e_{2,6} \vdash e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}$$

3874.
$$e_{2,6}, e_{1,3} \lor e_{2,3} \lor \neg e_{2,6} \vdash e_{1,3} \lor e_{2,3}$$

3875.
$$e_{2,6}, t_{e_{1,2}, e_{1,3}} \vee \neg e_{2,6} \vee e_{1,2} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{1,2}$$

3876.
$$e_{2,6}$$
, $\neg t_{e_{1,2}}$, $\neg e_{2,3} \lor e_{2,3} \lor \neg e_{2,6} \vdash e_{2,3} \lor \neg t_{e_{1,2}}$, $\neg e_{2,3}$

3877.
$$e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,3}$$

3878.
$$e_{2,6}, e_{4,6} \lor e_{1,6} \lor \neg e_{2,6} \vdash e_{4,6} \lor e_{1,6}$$

3879.
$$e_{1,5}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3880.
$$e_{1.5}, e_{4.5} \lor \neg e_{1.5} \lor e_{2.5} \vdash e_{2.5} \lor e_{4.5}$$

3881.
$$e_{1,5}, \neg e_{1,5} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3882.
$$e_{1,5}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3883.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

3884.
$$e_{1,5}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,5} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

3885.
$$e_{1,5}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}}$$

3886.
$$e_{1,5}, t_{e_{1,3}}, \neg e_{2,3} \lor \neg e_{1,5} \lor t_{e_{1,2}}, \neg e_{2,3} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor t_{e_{1,2}}, \neg e_{2,3}$$

3887.
$$e_{1,5}, \neg e_{5,6} \lor \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{5,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3888.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

3889.
$$e_{1,5}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,5} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

3890.
$$e_{1,5}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

3891.
$$e_{1,5}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3892.
$$e_{1,5}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

3893.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

3894.
$$e_{1,5}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3895.
$$e_{1,5}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor e_{2,3} \vdash e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3896.
$$e_{1,5}, t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3897.
$$e_{1,5}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

3898.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

3899.
$$e_{1,5}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3900.
$$e_{1,5}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

3901.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{1,2} \vdash e_{1,2} \lor t_{e_{1,2},\, e_{2,3}}$$

$$3902. \ e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}}$$

3903.
$$e_{1,5}, \neg e_{1,2} \lor \neg e_{1,5} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

3904.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}}$$

3905.
$$e_{1,5}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3906.
$$e_{1,5}, e_{5,6} \vee \neg e_{1,5} \vee e_{2,5} \vdash e_{5,6} \vee e_{2,5}$$

3907.
$$e_{1,5}, \neg e_{5,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \vdash \neg e_{5,6} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$3908. \ e_{1,5}, t_{e_{1,5},\,e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash \neg t_{\neg e_{1,5},\,e_{2,5}} \lor t_{e_{1,5},\,e_{2,5}}$$

3909.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \vdash e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

3910.
$$e_{1,5}, \neg e_{1,2} \lor \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3911.
$$e_{1,5}, \neg e_{1,5} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3912.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{e_{1,2}, e_{2,3}}$$

3913.
$$e_{1,5}, \neg e_{1,5} \lor e_{2,3} \lor e_{1,2} \vdash e_{2,3} \lor e_{1,2}$$

3914.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}}$$

3915.
$$e_{1,5}, \neg e_{1,2} \lor \neg e_{1,5} \lor e_{2,3} \vdash \neg e_{1,2} \lor e_{2,3}$$

3916.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{1,2}$$

3917.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg e_{4,5} \vdash \neg e_{4,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}}$$

3918.
$$e_{1,5}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,5} \lor e_{1,3} \vdash e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

3919.
$$e_{1,5}, \neg e_{5,6} \lor \neg e_{1,5} \lor e_{2,5} \vdash \neg e_{5,6} \lor e_{2,5}$$

$$3920. \ e_{1,5}, \neg e_{1,5} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}}$$

3921.
$$e_{1,5}, e_{5,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \vdash e_{5,6} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3922.
$$e_{1,5}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3923.
$$e_{1,5}$$
, $\neg e_{1,5} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$

3924.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \vdash e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}$$

$$3925. \ e_{1,5}, t_{e_{1,3}, \, \neg e_{2,3}} \vee \neg e_{1,5} \vee t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \vee t_{e_{1,2}, \, \neg e_{1,3}}$$

3926.
$$e_{1,5}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,2}, \, e_{2,3}}$$

3927.
$$e_{1,5}, t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg e_{1,5} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6}$$

3928.
$$e_{1,5}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3929.
$$e_{1,5}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{4,5} \vdash \neg e_{4,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3930.
$$e_{1,5}, t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3931.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{e_{1,3},\, e_{2,3}}$$

3932.
$$e_{1,5}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{1,5} \vdash \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}$$

3933.
$$e_{1,5}, t_{\neg e_{1,2}, e_{1,3}} \lor e_{4,5} \lor \neg e_{1,5} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor e_{4,5}$$

3934.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{1,2}$$

3935.
$$e_{1,5}, e_{5,6} \lor t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \vdash e_{5,6} \lor t_{e_{1,2}, e_{1,3}}$$

3936.
$$e_{1,5}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

3937.
$$e_{1,5}, e_{5,6} \lor \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{5,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3938.
$$e_{1.5}$$
, $\neg e_{1.5} \lor \neg e_{4.5} \lor e_{1.3} \vdash \neg e_{4.5} \lor e_{1.3}$

3939.
$$e_{1,5}, \neg e_{1,5} \lor e_{4,5} \lor \neg e_{2,5} \vdash \neg e_{2,5} \lor e_{4,5}$$

$$3940. \ e_{1,5}, t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, e_{2,6}}$$

3941.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{e_{1,6}, e_{2,6}}$$

3942.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

3943.
$$e_{1,5}, t_{e_{1,3}}, \neg e_{2,3} \lor \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}}$$

3944.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,3} \vdash e_{1,3} \lor \neg t_{\neg e_{1,5}, e_{1,6}}$$

$$3945. \ e_{1,5}, t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{\neg e_{1,2}, \, e_{1,3}}$$

3946.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,3} \vdash e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

3947.
$$e_{1,5}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

3948.
$$e_{1,5}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{1,5} \lor e_{1,3} \vdash e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}$$

3949.
$$e_{1,5}, \neg e_{1,3} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{2,3}}$$

3950.
$$e_{1,5}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

3951.
$$e_{1.5}, t_{\neg e_{1.2}, e_{1.3}} \lor \neg e_{1.5} \lor \neg e_{4.5} \vdash \neg e_{4.5} \lor t_{\neg e_{1.2}, e_{1.3}}$$

3952.
$$e_{1,5}, t_{e_{1,2}, e_{1,3}} \lor e_{4,5} \lor \neg e_{1,5} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{4,5}$$

3953.
$$e_{1,5}, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

3954.
$$e_{1,5}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,5} \lor e_{2,3} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

3955.
$$e_{1.5}, \neg e_{1.2} \lor \neg e_{1.3} \lor \neg e_{1.5} \vdash \neg e_{1.2} \lor \neg e_{1.3}$$

3956.
$$e_{1,5}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3957.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, e_{2,5}}$$

$$3958. \ e_{1,5}, \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vee e_{2,3} \vdash e_{2,3} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

3959.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}}$$

3960.
$$e_{1,5}, \neg e_{1,5} \lor e_{1,3} \lor e_{2,3} \vdash e_{1,3} \lor e_{2,3}$$

3961.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, e_{2,3}}$$

3962.
$$e_{1,5}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{1,5} \lor e_{2,3} \vdash e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}$$

3963.
$$e_{1,5}, \neg e_{5,6} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{1,5}, e_{2,5}}$$

3964.
$$e_{1,5}, e_{4,5} \vee \neg e_{1,5} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \vee e_{4,5}$$

$$3965. \ \ e_{1,5}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

3966.
$$e_{1,5}, \neg e_{5,6} \lor \neg e_{1,5} \lor \neg e_{2,5} \vdash \neg e_{5,6} \lor \neg e_{2,5}$$

$$3967. \ e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

3968.
$$e_{1,5}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$3969. \ e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}$$

3970.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

3971.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

3972.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{e_{1,3}, e_{2,3}}$$

3973.
$$e_{1,5}, e_{5,6} \lor \neg e_{1,5} \lor \neg e_{2,5} \vdash e_{5,6} \lor \neg e_{2,5}$$

3974.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{1,2} \vdash e_{1,2} \lor \neg t_{\neg e_{1,5}, e_{2,5}}$$

3975.
$$e_{1,5}, e_{5,6} \vee \neg e_{1,5} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash e_{5,6} \vee t_{\neg e_{1,2}, \neg e_{1,3}}$$

3976.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3977.
$$e_{1,5}, t_{e_{1,2}, e_{1,3}} \lor \neg e_{5,6} \lor \neg e_{1,5} \vdash \neg e_{5,6} \lor t_{e_{1,2}, e_{1,3}}$$

3978.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

3979.
$$e_{1,5}, \neg e_{1,2} \lor \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{2,3}}$$

3980.
$$e_{1,5}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \vdash \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3981.
$$e_{1,5}, \neg e_{1,5} \lor e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3982.
$$e_{1.5}$$
, $\neg e_{1.5} \lor e_{1.3} \lor e_{1.2} \vdash e_{1.3} \lor e_{1.2}$

3983.
$$e_{1,5}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \vdash e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}$$

3984.
$$e_{1,5}, e_{4,5} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{4,5}$$

3985.
$$e_{1,5}, t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg e_{4,5} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,5}$$

3986.
$$e_{1,5}, \neg e_{1,3} \lor \neg e_{1,5} \lor e_{2,3} \vdash \neg e_{1,3} \lor e_{2,3}$$

3987.
$$e_{1,5}, t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3988.
$$e_{1,5}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

3989.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,3} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,3}$$

3990.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

3991.
$$e_{1,5}, e_{5,6} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor \neg t_{\neg e_{1,5}, e_{2,5}}$$

3992.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,2}$$

3993.
$$e_{1,5}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg e_{4,5} \vdash \neg e_{4,5} \lor \neg e_{2,5}$$

3994.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3995.
$$e_{1.5}, \neg e_{5.6} \lor \neg e_{1.5} \lor e_{1.3} \vdash e_{1.3} \lor \neg e_{5.6}$$

3996.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,3} \vdash e_{2,3} \lor \neg t_{\neg e_{1,5}, e_{2,5}}$$

3997.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{1,3}$$

3998.
$$e_{1,5}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3999.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4000.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$4001. \ e_{1,5}, \neg e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4002.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, e_{1,6}}$$

$$4003. \ e_{1,5}, \neg e_{1,2} \vee \neg e_{1,5} \vee \neg t_{\neg e_{1,2}, \, e_{1,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \, e_{1,3}}$$

4004.
$$e_{1,5}, \neg e_{1,5} \lor e_{2,5} \lor \neg e_{4,5} \vdash \neg e_{4,5} \lor e_{2,5}$$

4005.
$$e_{1.5}, t_{e_{1.2}, e_{1.3}} \lor \neg e_{1.5} \lor \neg e_{4.5} \vdash \neg e_{4.5} \lor t_{e_{1.2}, e_{1.3}}$$

$$4006. \ e_{1,5}, t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{1,5} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}}$$

4007.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4008.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}}$$

4009.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

4010.
$$e_{1,5}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4011.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

4012.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4013.
$$e_{1,5}, \neg e_{1,2} \lor \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}}$$

4014.
$$e_{1,5}, e_{5,6} \vee \neg e_{1,5} \vee e_{1,3} \vdash e_{5,6} \vee e_{1,3}$$

4015.
$$e_{1,5}, t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, e_{1,3}}$$

4016.
$$e_{1,5}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4017.
$$e_{1,5}, t_{e_{1,3}}, \neg e_{2,3} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,2}}, e_{1,3} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}}, e_{1,3}$$

4018.
$$e_{1,5}, \neg e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4019.
$$e_{1,5}, \neg e_{1,3} \lor \neg e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4020.
$$e_{1,5}, e_{4,5} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{4,5}$$

4021.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4022.
$$e_{1,5}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \lor e_{1,2} \vdash e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4023.
$$e_{1,5}, t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{1,6}}$$

4024.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{e_{1,3}}, \neg e_{2,3} \lor e_{1,3} \vdash e_{1,3} \lor \neg t_{e_{1,3}}, \neg e_{2,3}$$

$$4025. \ e_{1,5}, t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

4026.
$$e_{1,5}, \neg e_{1,3} \lor \neg e_{1,5} \lor e_{1,2} \vdash \neg e_{1,3} \lor e_{1,2}$$

4027.
$$e_{1,5}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4028.
$$e_{1,5}, e_{4,5} \lor \neg e_{1,5} \lor e_{1,3} \vdash e_{1,3} \lor e_{4,5}$$

4029.
$$e_{1,5}, \neg e_{1,2} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}}$$

4030.
$$e_{1,5}, \neg e_{1,5} \lor \neg e_{4,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{4,5} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4031.
$$e_{1,5}, \neg e_{5,6} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4032.
$$e_{1,5}, \neg e_{1,2} \lor \neg e_{1,5} \lor e_{1,3} \vdash \neg e_{1,2} \lor e_{1,3}$$

4033.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

$$4034. \ e_{1,5}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

4035.
$$e_{1,5}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4036.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4037.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}}$$

4038.
$$e_{1,5}, t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,5} \lor \neg e_{1,5} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,5}$$

4039.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{e_{1,2}, e_{2,3}}$$

4040.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

4041.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

4042.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{2,6} \vdash \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{2,6}$$

4043.
$$e_{1,5}, \neg e_{1,3} \lor \neg e_{1,5} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}$$

$$4044. \ e_{1,5}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4045.
$$t_{e_{1,4}, e_{2,4}}, e_{1,4} \vee \neg t_{e_{1,4}, e_{2,4}} \vee e_{2,4} \vdash e_{1,4} \vee e_{2,4}$$

4046.
$$t_{e_{1,4}, e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{2,4}$$

4047.
$$t_{e_{1,4}, e_{2,4}}, \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor e_{2,4}$$

4048.
$$t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor e_{1,4}$$

4049.
$$t_{e_{1,4}, e_{2,4}}, e_{1,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}} \vee \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}}$$

4050.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

4051.
$$t_{e_{1,3}, e_{2,3}}, t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{2,3} \vdash e_{2,3} \vee t_{e_{1,3}, \neg e_{2,3}}$$

4052.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

4053.
$$t_{e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4054.
$$t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{2,3} \vdash e_{1,3} \lor e_{2,3}$$

4055.
$$t_{e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{2,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{1,3} \vdash e_{1,3} \vee t_{e_{1,2}, e_{2,3}}$$

4056.
$$t_{e_{1,3},e_{2,3}}, \neg t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,3},e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor \neg t_{\neg e_{1,3},e_{2,3}}$$

4057.
$$t_{e_{1,3},e_{2,3}}, t_{\neg e_{1,3},e_{2,3}} \lor \neg t_{e_{1,3},e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,3},e_{2,3}}$$

4058.
$$t_{e_{1,3},e_{2,3}}, t_{e_{1,2},e_{1,3}} \vee \neg t_{e_{1,3},e_{2,3}} \vee e_{2,3} \vdash t_{e_{1,2},e_{1,3}} \vee e_{2,3}$$

4059.
$$e_{2,3}, \neg e_{2,3} \lor e_{1,6} \lor e_{1,3} \vdash e_{1,3} \lor e_{1,6}$$

4060.
$$e_{2,3}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg e_{2,6} \vdash \neg e_{1,2} \lor \neg e_{2,6}$$

4061.
$$e_{2,3}, \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{3,5} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{3,5}$$

4062.
$$e_{2,3}, \neg e_{2,3} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

4063.
$$e_{2,3}, \neg e_{2,3} \lor e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,5}$$

4064.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4065.
$$e_{2,3}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

4066.
$$e_{2,3}, e_{1,5} \lor \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{1,5}$$

4067.
$$e_{2,3}, \neg e_{1,2} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4068.
$$e_{2,3}, \neg e_{1,2} \lor \neg e_{2,3} \lor e_{2,5} \vdash \neg e_{1,2} \lor e_{2,5}$$

4069.
$$e_{2,3}, \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,5} \vdash e_{2,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4070.
$$e_{2,3}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{1,6}$$

$$4071. \ e_{2,3}, t_{e_{1,5}, \, \neg e_{2,5}} \vee \neg e_{2,3} \vee t_{e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,3}, \, e_{2,3}} \vee t_{e_{1,5}, \, \neg e_{2,5}}$$

$$4072. \ e_{2,3}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg e_{3,5} \vdash \neg e_{1,3} \lor \neg e_{3,5}$$

4073.
$$e_{2,3}, \neg e_{3,6} \lor \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,2}, e_{2,3}}$$

$$4074. \ \ e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{1,3}}$$

4075.
$$e_{2,3}, e_{1,5} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}}$$

4076.
$$e_{2,3}, \neg e_{2,3} \lor \neg e_{3,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{3,5}$$

4077.
$$e_{2,3}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

4078.
$$e_{2,3}, \neg e_{2,3} \lor e_{1,6} \lor e_{1,2} \vdash e_{1,6} \lor e_{1,2}$$

$$4079. \ e_{2,3}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{e_{1,6}, \, \neg e_{2,6}} \vdash t_{e_{1,6}, \, \neg e_{2,6}} \vee \neg t_{e_{1,2}, \, \neg e_{2,3}}$$

4080.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4081.
$$e_{2,3}, \neg e_{1,2} \lor \neg e_{2,3} \lor e_{1,3} \vdash \neg e_{1,2} \lor e_{1,3}$$

$$4082. \ e_{2,3}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4083.
$$e_{2,3}$$
, $\neg t_{e_{1,2}}$, $\neg e_{2,3} \lor \neg e_{2,3} \lor t_{e_{1,2}}$, $\neg e_{1,3} \vdash \neg t_{e_{1,2}}$, $\neg e_{2,3} \lor t_{e_{1,2}}$, $\neg e_{1,3}$

4084.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4085.
$$e_{2,3}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,6} \vdash e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

4086.
$$e_{2,3}, \neg e_{1,2} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,3} \vdash \neg e_{1,2} \lor t_{e_{1,5}, \neg e_{2,5}}$$

$$4087. \ e_{2,3}, t_{e_{1,2},\,e_{1,3}} \vee \neg e_{2,3} \vee t_{\neg e_{1,3},\,e_{2,3}} \vdash t_{e_{1,2},\,e_{1,3}} \vee t_{\neg e_{1,3},\,e_{2,3}}$$

4088.
$$e_{2,3}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4089.
$$e_{2,3}, e_{1,5} \vee \neg e_{2,3} \vee e_{1,2} \vdash e_{1,5} \vee e_{1,2}$$

$$4090. \ e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,5} \vdash e_{2,5} \lor t_{\neg e_{1,3}, \, e_{2,3}}$$

4091.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{2,6} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4092.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6} \vdash e_{1,6} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4093.
$$e_{2,3}, \neg e_{2,3} \lor \neg e_{2,6} \lor e_{1,2} \vdash \neg e_{2,6} \lor e_{1,2}$$

4094.
$$e_{2,3}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

4095.
$$e_{2,3}, e_{3,5} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{3,5}$$

4096.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,5} \vdash e_{2,5} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$4097. \ e_{2,3}, t_{e_{1,3}, \, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \vee t_{e_{1,2}, \, \neg e_{1,3}}$$

$$4098. \ e_{2,3}, t_{e_{1,3}, \, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

4099.
$$e_{2,3}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg e_{2,5} \vdash \neg e_{1,2} \lor \neg e_{2,5}$$

4100.
$$e_{2,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4101.
$$e_{2,3}, e_{1,5} \lor \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4102.
$$e_{2,3}, t_{e_{1,2}, e_{1,3}} \vee \neg e_{2,3} \vee t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \vee t_{e_{1,2}, e_{1,3}}$$

4103.
$$e_{2,3}, \neg e_{2,3} \lor e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,6}$$

4104.
$$e_{2,3}, \neg e_{2,3} \lor \neg e_{3,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{3,5}$$

4105.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4106.
$$e_{2,3}, \neg e_{2,3} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{1,2}$$

4107.
$$e_{2,3}$$
, $\neg t_{e_{1,2}}$, $\neg e_{2,3} \lor \neg e_{2,3} \lor t_{e_{1,2}}$, $\neg e_{2,3} \vdash t_{e_{1,2}}$, $\neg e_{2,3} \lor \neg t_{e_{1,2}}$, $\neg e_{2,3} \lor \neg t_{e_{1,2}}$

4108.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,2} \vdash e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4109.
$$e_{2,3}, \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4110.
$$e_{2,3}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

4111.
$$e_{2,3}, t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4112.
$$e_{2,3}$$
, $\neg e_{2,3} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$

4113.
$$e_{2,3}, \neg e_{3,6} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

4114.
$$e_{2,3}, t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4115.
$$e_{2,3}, t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

4116.
$$e_{2,3}, \neg e_{2,3} \lor e_{1,3} \lor e_{2,6} \vdash e_{1,3} \lor e_{2,6}$$

4117.
$$e_{2,3}, \neg e_{2,3} \lor \neg e_{2,5} \lor e_{1,2} \vdash e_{1,2} \lor \neg e_{2,5}$$

4118.
$$e_{2,3}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,5}$$

4119.
$$e_{2,3}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{3,5} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{3,5}$$

4120.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \vdash \neg e_{2,6} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4121.
$$e_{2,3}, t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{1,3}}$$

4122.
$$e_{2,3}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_{2,6} \vdash \neg e_{2,6} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4123.
$$e_{2,3}, \neg e_{1,3} \lor \neg e_{2,3} \lor e_{3,6} \vdash \neg e_{1,3} \lor e_{3,6}$$

4124.
$$e_{2,3}, e_{1,5} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4125.
$$e_{2,3}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_{2,6} \vdash \neg e_{2,6} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

4126.
$$e_{2,3}, t_{e_{1,3}}, \neg e_{2,3} \lor \neg e_{2,3} \lor e_{2,6} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor e_{2,6}$$

4127.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4128.
$$e_{2,3}, \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$4129. \ e_{2,3}, \neg e_{2,3} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4130.
$$e_{2,3}, \neg e_{2,3} \lor e_{3,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{3,6}$$

4131.
$$e_{2,3}, \neg e_{2,3} \lor e_{3,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{3,6}$$

4132.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4133.
$$e_{2,3}$$
, $\neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$

4134.
$$e_{2,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor \neg e_{2,3} \vdash \neg e_{1,3} \lor \neg e_{3,6}$$

4135.
$$e_{2,3}, \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,6} \vdash e_{2,6} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

$$4136. \ e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,3},\, e_{2,3}}$$

4137.
$$e_{2,3}, t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,3} \lor e_{1,2} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,2}$$

4138.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4139.
$$e_{2,3}$$
, $\neg t_{\neg e_{1,3}}$, $\neg e_{2,3} \lor \neg e_{2,3} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}}$, $\neg e_{2,3} \lor e_{1,2}$

4140.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6} \vdash e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4141.
$$e_{2,3}, \neg e_{2,3} \lor e_{3,6} \lor e_{1,3} \vdash e_{1,3} \lor e_{3,6}$$

4142.
$$e_{2,3}, t_{e_{1,3}}, \neg e_{2,3} \lor \neg e_{2,3} \lor e_{1,3} \vdash e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}$$

4143.
$$e_{2,3}, t_{e_{1,5}}, \neg e_{2,5} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4144.
$$e_{2,3}, \neg e_{3,6} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$4145. \ e_{2,3}, \neg e_{2,3} \lor t_{e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}$$

4146.
$$e_{2,3}, \neg e_{3,6} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,2}, \neg e_{2,3}}$$

4147.
$$e_{2,3}$$
, $\neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$

4148.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \vdash e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4149.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4150.
$$e_{2,3}$$
, $\neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$

4151.
$$e_{2,3}, t_{e_{1,3}}, \neg e_{2,3} \lor \neg e_{2,3} \lor t_{e_{1,6}}, \neg e_{2,6} \vdash t_{e_{1,6}}, \neg e_{2,6} \lor t_{e_{1,3}}, \neg e_{2,3}$$

4152.
$$e_{2,3}, \neg e_{2,3} \lor e_{2,5} \lor e_{1,3} \vdash e_{1,3} \lor e_{2,5}$$

4153.
$$e_{2,3}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4154.
$$e_{2,3}, \neg e_{1,2} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4155.
$$e_{2,3}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,5}, e_{2,5}}$$

4156.
$$e_{2,3}, e_{1,5} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \vdash e_{1,5} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4157.
$$e_{2,3}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

4158.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \vdash \neg e_{2,5} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4159.
$$e_{2,3}, e_{3,5} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{3,5} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4160.
$$e_{2,3}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4161.
$$e_{2,3}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

4162.
$$e_{2,3}, \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{3,5} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{3,5}$$

4163.
$$e_{2,3}, e_{3,5} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{3,5}$$

4164.
$$e_{2,3}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \vdash \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}}$$

4165.
$$e_{2,3}, e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \vdash e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

4166.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

4167.
$$e_{2,3}, \neg e_{3,6} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,2}, e_{2,3}}$$

4168.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4169.
$$e_{2,3}, \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \vdash \neg e_{2,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4170.
$$e_{2,3}, \neg e_{2,3} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3}$$

$$4171. \ e_{2,3}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4172.
$$e_{2,3}$$
, $\neg e_{2,3} \lor e_{1,2} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,2} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$

4173.
$$e_{2,3}, \neg e_{1,2} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4174.
$$e_{2,3}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

4175.
$$e_{2,3}, \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4176.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4177.
$$e_{2,3}, \neg e_{2,3} \lor e_{1,3} \lor \neg e_{2,6} \vdash e_{1,3} \lor \neg e_{2,6}$$

4178.
$$e_{2,3}, \neg e_{3,6} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{3,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4179. \ \ e_{2,3}, t_{e_{1,3}, \, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \, e_{1,3}}$$

4180.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4181.
$$e_{2,3}, \neg e_{2,3} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

4182.
$$e_{2,3}, \neg e_{3,6} \lor \neg e_{2,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}}$$

4183.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5} \vdash \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4184.
$$e_{2,3}, \neg e_{3,6} \lor \neg e_{2,3} \lor e_{1,3} \vdash \neg e_{3,6} \lor e_{1,3}$$

4185.
$$e_{2,3}, \neg e_{1,2} \lor \neg e_{2,3} \lor e_{1,6} \vdash \neg e_{1,2} \lor e_{1,6}$$

4186.
$$e_{2,3}, \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4187.
$$e_{2,3}, \neg e_{2,3} \lor e_{1,2} \lor e_{2,6} \vdash e_{1,2} \lor e_{2,6}$$

4188.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4189.
$$e_{2,3}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4190.
$$e_{2,3}, \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

4191.
$$e_{2,3}, \neg e_{1,2} \lor e_{1,5} \lor \neg e_{2,3} \vdash \neg e_{1,2} \lor e_{1,5}$$

4192.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4193.
$$e_{2,3}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

4194.
$$e_{2,3}, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,3},\,e_{2,3}} \lor e_{2,6}$$

4195.
$$e_{2,3}, e_{1,5} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4196.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4197.
$$e_{2,3}, \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,6} \vdash e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4198.
$$e_{2,3}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2} \vdash e_{1,2} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

4199.
$$e_{2,3}, \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6} \vdash \neg e_{2,6} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4200.
$$e_{2,3}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \lor e_{3,6} \vdash e_{3,6} \lor t_{e_{1,2}, e_{2,3}}$$

4201.
$$e_{2,3}, \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{3,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{3,6}$$

4202.
$$e_{2,3}, e_{1,5} \lor \neg e_{2,3} \lor e_{1,3} \vdash e_{1,5} \lor e_{1,3}$$

4203.
$$e_{2,3}, \neg e_{2,3} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,3} \lor e_{1,2}$$

4204.
$$e_{2,3}, \neg e_{2,3} \lor \neg e_{3,5} \lor e_{1,3} \vdash e_{1,3} \lor \neg e_{3,5}$$

$$4205. \ e_{2,3}, \neg e_{2,3} \lor e_{1,3} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}} \vdash e_{1,3} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}}$$

4206.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,6} \vdash e_{2,6} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4207.
$$e_{2,3}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

4208.
$$e_{2,3}, \neg e_{1,2} \lor \neg e_{2,3} \lor e_{2,6} \vdash \neg e_{1,2} \lor e_{2,6}$$

4209.
$$e_{2,3}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor e_{2,5} \vdash t_{e_{1,3}, e_{2,3}} \lor e_{2,5}$$

4210.
$$e_{2,3}, \neg e_{2,3} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{1,3}$$

4211.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6}$$

4212.
$$e_{2,3}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{2,5} \vdash e_{2,5} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4213.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

4214.
$$e_{2,3}, t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor e_{1,3} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,3}$$

4215.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \vdash \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4216.
$$e_{2,3}, e_{3,5} \lor \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4217.
$$e_{2,3}, \neg e_{2,3} \lor e_{2,5} \lor e_{1,2} \vdash e_{2,5} \lor e_{1,2}$$

4218.
$$e_{2,3}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4219. \ e_{2,3}, e_{3,5} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \, \neg e_{2,3}} \vee e_{3,5}$$

$$4220. \ e_{2,3}, \neg t_{e_{1,2}, \, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \vee \neg t_{e_{1,2}, \, \neg e_{2,3}} \vee t_{\neg e_{2,3}, \, \neg e_{2,3}} \vee t_{\neg e_{2,3}} \vee t_{\neg e_{2,3}, \, \neg e_{2,3}} \vee t_{\neg e_{2,3}, \, \neg e_{2,3}}$$

4221.
$$e_{2,3}, \neg e_{2,3} \lor \neg e_{2,5} \lor e_{1,3} \vdash e_{1,3} \lor \neg e_{2,5}$$

4222.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,6} \vdash e_{2,6} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4223.
$$e_{2,3}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \lor \neg e_{3,5} \vdash t_{e_{1,2}, e_{2,3}} \lor \neg e_{3,5}$$

4224.
$$e_{2,3}, t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4225.
$$e_{2,3}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,2} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

4226.
$$e_{2,3}, \neg e_{2,3} \lor e_{3,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{3,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4227.
$$e_{2,3}, e_{3,5} \vee \neg e_{2,3} \vee e_{1,3} \vdash e_{1,3} \vee e_{3,5}$$

4228.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4229.
$$e_{2,3}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,3} \vdash e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

4230.
$$e_{2,3}, \neg e_{2,3} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4231.
$$e_{2,3}$$
, $\neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$

$$4232. \ e_{2,3}, t_{e_{1,5}, \, \neg e_{2,5}} \vee \neg e_{2,3} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \vee t_{\neg e_{1,3}, \, e_{2,3}}$$

$$4233. \ e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}} \vdash t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}}$$

4234.
$$e_{2,3}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4235.
$$e_{2,3}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4236. \ e_{2,3}, t_{e_{1,5},\, \neg e_{2,5}} \vee \neg t_{e_{1,2},\, \neg e_{2,3}} \vee \neg e_{2,3} \vdash t_{e_{1,5},\, \neg e_{2,5}} \vee \neg t_{e_{1,2},\, \neg e_{2,3}}$$

4237.
$$e_{2,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4238.
$$e_{2,3}, t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4239.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,6}$$

$$4240. \ e_{2,3}, t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4241. \ e_{2,3}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}}$$

4242.
$$e_{2,3}, t_{e_{1,2}, e_{1,3}} \vee \neg e_{2,3} \vee e_{1,2} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{1,2}$$

4243.
$$e_{2,3}, e_{3,5} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{3,5}$$

4244.
$$e_{2,3}, \neg e_{1,3} \lor e_{3,5} \lor \neg e_{2,3} \vdash \neg e_{1,3} \lor e_{3,5}$$

4245.
$$e_{2,3}, \neg e_{2,3} \lor \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,5}$$

4246.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

4247.
$$e_{2,3}, t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{2,3}}$$

4248.
$$e_{2,3}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

4249.
$$e_{2,3}, \neg e_{2,3} \lor e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4250.
$$e_{2,3}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4251.
$$e_{2,3}, t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,3} \lor e_{1,3} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,3}$$

4252.
$$e_{2,3}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,3}, e_{2,3}} \lor \neg e_{2,6}$$

4253.
$$e_{2,3}, e_{3,5} \lor \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash e_{3,5} \lor t_{e_{1,2}, e_{2,3}}$$

4254.
$$e_{2,3}$$
, $\neg t_{e_{1,2}}$, $\neg e_{2,3} \lor \neg e_{2,3} \lor e_{2,6} \vdash e_{2,6} \lor \neg t_{e_{1,2}}$, $\neg e_{2,3}$

4255.
$$e_{2,3}, \neg e_{2,3} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,2} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,2}$$

4256.
$$e_{2,3}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{1,6} \vdash e_{1,6} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4257.
$$e_{2,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4258.
$$e_{2,3}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4259.
$$e_{2,3}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_{2,5} \vdash \neg e_{2,5} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

4260.
$$e_{2,3}, \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,6} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,6}$$

4261.
$$e_{2,3}, t_{e_{1,2}, e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}}$$

4262.
$$e_{2,3}, t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4263.
$$e_{2,3}, \neg e_{1,2} \lor \neg e_{2,3} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,2} \lor t_{e_{1,6}, \neg e_{2,6}}$$

4264.
$$e_{2,3}, \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,3} \vdash e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4265.
$$e_{2,3}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor e_{2,5} \vdash e_{2,5} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

4266.
$$e_{2,3}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_{2,5} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,5}$$

4267.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg e_{2,6} \vdash \neg e_{2,6} \lor \neg e_{2,3}$$

4268.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4269.
$$e_{1,2}, \neg e_{1,2} \lor e_{2,5} \lor e_{2,3} \vdash e_{2,3} \lor e_{2,5}$$

4270.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4271.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,3} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,3}$$

4272.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

4273.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,6}$$

4274.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

4275.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4276.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{2,3} \lor e_{2,5} \vdash e_{2,5} \lor \neg e_{2,3}$$

4277.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

4278.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4279.
$$e_{1,2}, \neg e_{1,2} \lor e_{2,5} \lor e_{1,3} \vdash e_{1,3} \lor e_{2,5}$$

4280.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, e_{1,3}}$$

4281.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,6}, e_{2,6}} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,6}, e_{2,6}}$$

4282.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,3} \lor \neg e_{2,6} \vdash e_{1,3} \lor \neg e_{2,6}$$

4283.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \vdash \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4284.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4285.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{1,6}$$

$$4286. \ e_{1,2}, \neg e_{1,2} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

$$4287. \ e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}}$$

4288.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,3} \lor e_{2,6} \vdash e_{1,3} \lor e_{2,6}$$

4289.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{2,3} \lor e_{1,3} \vdash e_{1,3} \lor \neg e_{2,3}$$

4290.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3} \vdash e_{1,3} \lor \neg t_{e_{1,6}, \neg e_{2,6}}$$

4291.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4292.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

4293.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,5} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash e_{1,5} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

4294.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{2,6}$$

4295.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4296.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,3} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,3}$$

4297.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4298.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,5} \lor \neg t_{e_{1,3}}, \neg e_{2,3} \vdash \neg t_{e_{1,3}}, \neg e_{2,3} \lor \neg e_{1,5}$$

4299.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, e_{2,3}}$$

4300.
$$e_{1,2}, \neg e_{1,2} \lor e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4301.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

4302.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$4303. \ e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

4304.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,6} \lor e_{1,3} \vdash \neg e_{1,6} \lor e_{1,3}$$

4305.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg e_{2,5} \vdash \neg e_{2,3} \lor \neg e_{2,5}$$

4306.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,6}$$

4307.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6}$$

4308.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4309.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4310. \ e_{1,2}, \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \, e_{2,3}} \vee e_{2,3} \vdash e_{2,3} \vee \neg t_{\neg e_{1,2}, \, e_{2,3}}$$

4311.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash e_{1,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

4312.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$4313. \ e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{1,3}}$$

4314.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4315.
$$e_{1,2}, \neg e_{1,2} \lor e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4316.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,6} \vdash e_{2,6} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

4317.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

4318.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,5} \lor e_{2,3} \vdash e_{2,3} \lor \neg e_{1,5}$$

4319.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

$$4320. \ e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4321.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,5} \vdash e_{2,5} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

4322.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

4323.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4324.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,6} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,6}$$

$$4325. \ e_{1,2}, \neg e_{1,2} \vee \neg t_{\neg e_{1,3},\, e_{2,3}} \vee \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{1,6},\, e_{2,6}} \vee \neg t_{\neg e_{1,3},\, e_{2,3}}$$

4326.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{e_{1,2}, e_{2,3}}$$

4327.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

4328.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

4329.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4330.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4331. \ e_{1,2}, \neg e_{1,2} \vee \neg t_{\neg e_{1,6}, \, e_{2,6}} \vee t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,2}, \, \neg e_{1,3}} \vee \neg t_{\neg e_{1,6}, \, e_{2,6}}$$

4332.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{1,3}$$

4333.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4334.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \vdash \neg e_{2,6} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4335.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

4336.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

4337.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

4338.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,5} \vdash e_{2,5} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

4339.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{2,5}$$

$$4340. \ e_{1,2}, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,6}, \, \neg e_{2,6}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,6}, \, \neg e_{2,6}}$$

4341.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,5} \lor \neg e_{1,3} \vdash e_{1,5} \lor \neg e_{1,3}$$

4342.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,3}$$

4343.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

4344.
$$e_{1,2}, \neg e_{1,2} \lor e_{2,3} \lor \neg e_{2,6} \vdash e_{2,3} \lor \neg e_{2,6}$$

4345.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg e_{1,6} \vdash \neg e_{1,6} \lor \neg e_{1,3}$$

4346.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,3}$$

4347.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$4348. \ e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}}$$

4349.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,6}, e_{2,6}}$$

4350.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4351.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

4352.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor e_{1,5} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,5}$$

4353.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

4354.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4355.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4356.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5}$$

4357.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,6} \vdash e_{2,6} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4358.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{2,6} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4359.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{1,3}$$

$$4360. \ e_{1,2}, \neg e_{1,2} \vee \neg t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,3} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,3}$$

4361.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{1,3}}$$

4362.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,6} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,6}$$

4363.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4364.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,5} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

4365.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4366.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4367.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg e_{1,5} \vdash \neg e_{1,5} \lor \neg e_{1,3}$$

4368.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4369.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,6} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,6} \lor t_{e_{1,2}, e_{2,3}}$$

4370.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

4371.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,5} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,5}$$

4372.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,5}$$

4373.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4374.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg e_{2,3}$$

4375.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

4376.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

4377.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,6}$$

4378.
$$e_{1,2}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash e_{2,3} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

$$4379. \ e_{1,2}, \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,3}, e_{2,3}}$$

4380.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4381. \ e_{1,2}, \neg e_{1,2} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4382.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,3}$$

4383.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,6} \lor e_{2,3} \vdash \neg e_{1,6} \lor e_{2,3}$$

$$4384. \ e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

4385.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,5} \lor e_{1,3} \vdash e_{1,5} \lor e_{1,3}$$

4386.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

4387.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \vdash \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

4388.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4389.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,5} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

$$4390. \ e_{1,2}, \neg e_{1,2} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}} \vee t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \vee \neg t_{\neg e_{1,3}, \, e_{2,3}}$$

4391.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,6}, e_{2,6}} \lor e_{2,3} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{2,3}$$

4392.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4393.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

4394.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{2,3}}$$

4395.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,5}$$

$$4396. \ e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

4397.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4398.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,5} \vdash e_{2,5} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

$$4399. \ e_{1,2}, \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{\neg e_{1,2}, e_{1,3}}$$

4400.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4401.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3}$$

4402.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4403.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4404.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}}$$

4405.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

4406.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{2,5} \lor e_{1,3} \vdash e_{1,3} \lor \neg e_{2,5}$$

4407.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{2,6} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

4408.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4409.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \vdash e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4410.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4411.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,3} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,3}$$

4412.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{2,5}}$$

4413.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

$$4414. \ e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$4415. \ e_{1,2}, \neg e_{1,2} \vee \neg t_{e_{1,6}, \neg e_{2,6}} \vee t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,6}, \neg e_{2,6}}$$

4416.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{e_{1,2}, e_{2,3}}$$

4417.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4418.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4419.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

4420.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}}$$

4421.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,5} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

4422.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,5} \lor e_{2,3} \vdash e_{1,5} \lor e_{2,3}$$

4423.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4424.
$$e_{1,2}, \neg e_{1,2} \lor e_{2,3} \lor e_{2,6} \vdash e_{2,3} \lor e_{2,6}$$

4425.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

4426.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4427.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,3} \vdash e_{2,3} \lor \neg t_{e_{1,6}, \neg e_{2,6}}$$

4428.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,6} \vdash e_{2,6} \lor t_{e_{1,2}, e_{2,3}}$$

4429.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{2,5} \lor e_{2,3} \vdash e_{2,3} \lor \neg e_{2,5}$$

4430.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,6} \lor e_{2,3} \vdash e_{2,3} \lor e_{1,6}$$

4431.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,6} \lor e_{1,3} \vdash e_{1,3} \lor e_{1,6}$$

4432.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,6} \vdash e_{1,6} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4433.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, e_{2,3}}$$

4434.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}}$$

4435.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{2,3} \lor e_{1,6} \vdash e_{1,6} \lor \neg e_{2,3}$$

4436.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4437. \ e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4438.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,5} \vdash e_{2,5} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4439.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,3} \lor e_{2,6} \vdash \neg e_{1,3} \lor e_{2,6}$$

4440.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,6}$$

4441.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

4442.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

$$4443. \ e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}}$$

$$4444. \ e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}}$$

4445.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

4446.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4447.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

4448.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4449.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,3}$$

4450.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,3} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{1,3} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4451.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor e_{1,6} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,6}$$

4452.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,6}, e_{2,6}}$$

4453.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,5} \lor \neg e_{2,3} \vdash e_{1,5} \lor \neg e_{2,3}$$

4454.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4455.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,6}, e_{2,6}}$$

4456.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4457.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{2,5} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

$$4458. \ e_{1,2}, \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}}$$

4459.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}}$$

4460.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4461.
$$e_{1,2}, t_{e_{1,2}, e_{1,3}} \vee \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, e_{1,3}}$$

4462.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

4463.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

4464.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$4465. \ e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4466.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,3}$$

4467.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4468.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,3} \vdash e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4469.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

4470.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

4471.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6} \vdash e_{1,6} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

4472.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash \neg e_{2,6} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

4473.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,6} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{1,6}$$

4474.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{2,3} \lor e_{2,6} \vdash \neg e_{2,3} \lor e_{2,6}$$

4475.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor t_{e_{1,2}, e_{2,3}}$$

4476.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4477.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4478.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4479.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

4480.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4481.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

4482.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}}$$

4483.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4484.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,6} \vdash e_{1,6} \lor t_{e_{1,2}, e_{2,3}}$$

4485.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

4486.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

4487.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,6} \vdash e_{2,6} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

4488.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,5}$$

4489.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

4490.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4491.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

4492.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4493.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4494.
$$e_{1,2}, \neg e_{1,3} \lor \neg e_{1,2} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4495. \ e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

4496.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, e_{2,3}}$$

4497.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

4498.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{2,6} \vdash e_{2,6} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}}$$

4499.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,3} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,3}$$

4500.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4501.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,6}$$

4502.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{2,6} \vdash e_{2,6} \lor t_{\neg e_{1,3}, \, e_{2,3}}$$

$$4503. \ e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}}$$

$$4504. \ e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, e_{2,3}}$$

4505.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4506.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \vdash \neg e_{1,5} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4507.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4508.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,3} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

4509.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

4510.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4511. \ e_{1,2}, \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, \neg e_{1,3}}$$

4512.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6} \vdash e_{1,6} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4513.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

4514.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

4515.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,3} \lor e_{1,6} \vdash e_{1,6} \lor \neg e_{1,3}$$

4516.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{\neg e_{1,2}, \, e_{1,3}}$$

4517.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4518.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,3} \lor e_{2,3} \vdash e_{1,3} \lor e_{2,3}$$

4519.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,3} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,3}$$

4520.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

4521.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

4522.
$$e_{1,2}, \neg e_{1,2} \lor e_{2,3} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{2,3} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4523.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{1,3}$$

4524.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{1,5}$$

4525.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,6}$$

4526.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,5} \lor e_{1,3} \vdash e_{1,3} \lor \neg e_{1,5}$$

4527.
$$e_{1,2}, \neg e_{1,2} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4528.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}}$$

4529.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,3} \lor e_{2,3} \vdash e_{2,3} \lor \neg e_{1,3}$$

$$4530. \ e_{1,2}, \neg e_{1,2} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{2,3}}$$

4531.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4532. \ e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}$$

$$4533. \ e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

4534.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4535.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4536.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,6}$$

4537.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,3} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,3}$$

4538.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{2,3}$$

4539.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,3} \vdash e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

4540.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

4541.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

4542.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4543.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{2,3} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,3}$$

4544.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

4545.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,5} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

4546.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,6} \vdash e_{1,6} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

4547.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor e_{1,2} \vdash e_{1,2} \lor e_{1,3}$$

4548.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor t_{e_{1,2},e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2},e_{2,3}} \lor e_{1,3}$$

$$4549. \ \ t_{e_{1,2},\,e_{1,3}}, t_{\neg e_{1,2},\,e_{1,3}} \vee \neg t_{e_{1,2},\,e_{1,3}} \vee e_{1,2} \vdash e_{1,2} \vee t_{\neg e_{1,2},\,e_{1,3}}$$

$$4550. \ \ t_{e_{1,2},\,e_{1,3}}, t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor e_{1,2}$$

4551.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor t_{e_{1,3},e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,3},e_{2,3}} \lor e_{1,2}$$

4552.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2} \vdash e_{1,2} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4553.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor t_{e_{1,2},\neg e_{2,3}} \lor e_{1,3} \vdash t_{e_{1,2},\neg e_{2,3}} \lor e_{1,3}$$

4554.
$$t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

4555.
$$t_{e_{1,2},e_{1,3}}, \neg t_{e_{1,2},e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\neg e_{1,3}} \vdash e_{1,3} \lor t_{e_{1,2},\neg e_{1,3}}$$

4556.
$$t_{e_{1,6}, e_{2,6}}, t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,6}, e_{2,6}} \lor e_{1,6} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{1,6}$$

$$4557. \ t_{e_{1,6},\,e_{2,6}}, \neg t_{e_{1,6},\,e_{2,6}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{2,6}$$

4558.
$$t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,6} \vdash e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4559.
$$t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \lor e_{1,6} \lor e_{2,3} \vdash e_{2,3} \lor e_{1,6}$$

4560.
$$t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \lor e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4561.
$$t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,6} \vdash e_{1,6} \lor t_{e_{1,2}, \neg e_{2,3}}$$

4562.
$$t_{e_{1,6},e_{2,6}}, \neg t_{e_{1,6},e_{2,6}} \lor \neg t_{e_{1,6},\neg e_{2,6}} \lor e_{1,6} \vdash e_{1,6} \lor \neg t_{e_{1,6},\neg e_{2,6}}$$

4563.
$$t_{e_{1,6}, e_{2,6}}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, e_{2,6}} \lor e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,6}$$

$$4564. \ t_{e_{1,6},\,e_{2,6}}, \neg t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor e_{2,6} \vdash t_{e_{1,6},\,\neg e_{2,6}} \lor e_{2,6}$$

4565.
$$t_{e_{1,6},\,e_{2,6}}, \neg t_{e_{1,6},\,e_{2,6}} \lor e_{1,6} \lor e_{2,6} \vdash e_{1,6} \lor e_{2,6}$$

4566.
$$t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,6} \vdash e_{1,6} \lor t_{e_{1,2}, e_{2,3}}$$

4567.
$$t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

4568.
$$t_{e_{1,6}, e_{2,6}}, t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,6}, e_{2,6}} \vee e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{2,6}$$

4569.
$$t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \lor e_{1,2} \lor e_{2,6} \vdash e_{1,2} \lor e_{2,6}$$

4570.
$$t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \lor e_{1,6} \lor e_{1,2} \vdash e_{1,6} \lor e_{1,2}$$

4571.
$$t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}}$$

4572.
$$t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \lor e_{1,3} \lor e_{2,6} \vdash e_{1,3} \lor e_{2,6}$$

4573.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{e_{1,2}, e_{2,3}}$$

4574.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{1,6}$$

4575.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{3,5} \vdash \neg e_{3,5} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

4576.
$$e_{1,3}, \neg e_{1,3} \lor e_{2,3} \lor e_{1,2} \vdash e_{2,3} \lor e_{1,2}$$

4577.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,5} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,5}$$

4578.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4579.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4580.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4581.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4582.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{3,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{3,6}$$

4583.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg e_{3,5} \vdash \neg e_{2,3} \lor \neg e_{3,5}$$

4584.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, e_{2,3}}$$

4585.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

$$4586. \ \ e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}} \vdash e_{3,5} \lor \neg t_{\neg e_{1,3}, \ e_{2,3}}$$

4587.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\,e_{1,3}} \lor e_{3,5} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{3,5}$$

4588.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4589.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

4590.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,6}$$

4591.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,2} \vdash e_{1,2} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4592.
$$e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor e_{1,2} \vdash e_{3,5} \lor e_{1,2}$$

4593.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{1,6}$$

4594.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4595.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{3,5} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{3,5}$$

4596.
$$e_{1,3}, \neg e_{1,3} \lor e_{3,6} \lor e_{1,2} \vdash e_{3,6} \lor e_{1,2}$$

4597.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

4598.
$$e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{3,5} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4599.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

4600.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,6}$$

4601.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4602.
$$e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor e_{2,3} \vdash e_{2,3} \lor e_{3,5}$$

4603.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$4604. \ e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{1,3}, \, e_{2,3}}$$

4605.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4606.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4607.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

4608.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4609.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \lor \neg e_{3,6} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{3,6}$$

4610.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}}$$

$$4611. \ e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4612.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}}$$

4613.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor e_{2,3} \vdash e_{2,3} \lor \neg e_{1,6}$$

4614.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

4615.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

4616.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4617.
$$e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}}$$

4618.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4619.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4620.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}}$$

4621.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4622.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6} \vdash e_{3,6} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

4623.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{1,5} \vdash \neg e_{1,5} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4624.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor e_{2,3} \vdash \neg e_{3,6} \lor e_{2,3}$$

4625.
$$e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,2} \lor \neg t_{e_{1,6}, \neg e_{2,6}}$$

4626.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \lor \neg e_{3,5} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{3,5}$$

4627.
$$e_{1,3}, \neg e_{1,2} \lor e_{1,5} \lor \neg e_{1,3} \vdash \neg e_{1,2} \lor e_{1,5}$$

4628.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{2,3} \lor e_{3,6} \vdash e_{3,6} \lor \neg e_{2,3}$$

$$4629. \ e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}$$

4630.
$$e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg e_{1,6} \vdash \neg e_{1,2} \lor \neg e_{1,6}$$

4631.
$$e_{1,3}, e_{1,5} \lor \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}}$$

4632.
$$e_{1,3}, e_{1,5} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

4633.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

4634.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,6}$$

4635.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

4636.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor \neg e_{2,3} \vdash \neg e_{3,6} \lor \neg e_{2,3}$$

4637.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{3,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{3,5}$$

4638.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,6} \vdash e_{2,6} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4639.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4640.
$$e_{1,3}, e_{1,5} \lor \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4641.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}$$

4642.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,6}$$

4643.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{3,5} \lor e_{2,3} \vdash e_{2,3} \lor \neg e_{3,5}$$

4644.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4645.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{1,5}$$

$$4646. \ e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, \neg e_{1,3}}$$

4647.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{3,5} \lor e_{1,2} \vdash e_{1,2} \lor \neg e_{3,5}$$

4648.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,3}, e_{2,3}}$$

4649.
$$e_{1,3}, e_{1,5} \vee \neg e_{1,3} \vee t_{e_{1,3}, \neg e_{2,3}} \vdash e_{1,5} \vee t_{e_{1,3}, \neg e_{2,3}}$$

4650.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,2} \vdash e_{1,2} \lor \neg t_{e_{1,6}, \neg e_{2,6}}$$

4651.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4652.
$$e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg e_{1,5} \vdash \neg e_{1,2} \lor \neg e_{1,5}$$

4653.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \vdash e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4654.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{e_{1,3}, e_{2,3}}$$

4655.
$$e_{1,3}, \neg e_{1,3} \lor e_{1,2} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{1,2} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4656.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,6}$$

4657.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,6} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,6}$$

4658.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{2,3} \vdash e_{2,3} \lor \neg t_{e_{1,6}, \neg e_{2,6}}$$

4659.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,6} \vdash e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4660.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

$$4661. \ e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{1,3}}$$

$$4662. \ e_{1,3}, \neg e_{1,3} \vee \neg e_{3,6} \vee \neg t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg e_{3,6} \vee \neg t_{\neg e_{1,2}, \, e_{2,3}}$$

4663.
$$e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4664.
$$e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash e_{3,5} \lor \neg t_{\neg e_{1,2}, e_{2,3}}$$

4665.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}$$

4666.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4667. \ e_{1,3}, \neg e_{1,3} \vee \neg t_{e_{1,5}, \neg e_{2,5}} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \vee t_{\neg e_{1,2}, e_{2,3}}$$

4668.
$$e_{1,3}, \neg e_{1,3} \lor e_{1,6} \lor e_{2,3} \vdash e_{2,3} \lor e_{1,6}$$

4669.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5} \vdash \neg e_{3,5} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

4670.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,6} \vdash e_{1,6} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4671.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4672.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4673.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

$$4674. \ e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

4675.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \vdash e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4676.
$$e_{1,3}, \neg e_{1,3} \lor e_{1,5} \lor e_{1,2} \vdash e_{1,5} \lor e_{1,2}$$

$$4677. \ e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}}$$

4678.
$$e_{1,3}, \neg e_{1,3} \lor e_{1,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,6}$$

4679.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

4680.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4681.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{3,5} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{3,5}$$

4682.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{3,5} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{3,5}$$

4683.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3} \vdash e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}$$

4684.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4685.
$$e_{1,3}, \neg e_{1,3} \lor e_{1,5} \lor t_{e_{1,3}, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,3}, e_{2,3}}$$

4686.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,5} \vdash \neg e_{1,5} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4687.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4688.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,5}$$

4689.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{2,3}}$$

4690.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

4691.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,6}$$

4692.
$$e_{1,3}, e_{1,5} \lor \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4693.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4694.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,3} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,3}$$

4695.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

4696.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}$$

4697.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4698.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{1,5} \lor e_{2,3} \vdash e_{2,3} \lor \neg e_{1,5}$$

4699.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$4700. \ e_{1,3}, t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,\neg e_{1,3}}$$

4701.
$$e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor e_{2,6} \vdash \neg e_{1,2} \lor e_{2,6}$$

4702.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

4703.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,6} \vdash e_{2,6} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4704.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

$$4705. \ e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}}$$

4706.
$$e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}}$$

4707.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4708.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4709.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,6} \vdash e_{1,6} \lor t_{e_{1,3}, e_{2,3}}$$

4710.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$4711. \ e_{1,3}, \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,2}, \neg e_{2,3}}$$

4712.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}$$

$$4713. \ e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, e_{2,3}}$$

4714.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,6} \vdash e_{1,6} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4715.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,3}, e_{2,3}}$$

4716.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

4717.
$$e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}}$$

$$4718. \ e_{1,3}, \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}}$$

4719.
$$e_{1,3}, \neg e_{1,3} \lor e_{1,5} \lor e_{2,3} \vdash e_{1,5} \lor e_{2,3}$$

4720.
$$e_{1,3}, \neg e_{1,3} \lor e_{1,6} \lor e_{1,2} \vdash e_{1,6} \lor e_{1,2}$$

4721.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \lor e_{2,6} \vdash e_{2,6} \lor t_{e_{1,3}, e_{2,3}}$$

4722.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4723.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

4724.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor e_{1,2} \vdash e_{1,2} \lor \neg e_{1,6}$$

4725.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,6}, e_{2,6}}$$

4726.
$$e_{1,3}, \neg e_{1,3} \lor e_{2,3} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{2,3} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

4727.
$$e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor e_{3,5}$$

4728.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{1,2} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,2}$$

4729.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4730.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4731.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{3,6} \vdash e_{3,6} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4732.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,3} \vdash e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4733.
$$e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash e_{3,5} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4734.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$4735. \ e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6}, \, e_{2,6}} \lor \neg t_{e_{1,2}, \, \neg e_{2,3}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor \neg t_{e_{1,2}, \, \neg e_{2,3}}$$

4736.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4737.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,2}$$

4738.
$$e_{1,3}, \neg e_{1,3} \lor e_{3,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{3,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4739.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

4740.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,6} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,6}$$

4741.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

4742.
$$e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor e_{1,6} \vdash \neg e_{1,2} \lor e_{1,6}$$

4743.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{1,5} \lor e_{1,2} \vdash \neg e_{1,5} \lor e_{1,2}$$

4744.
$$e_{1,3}, e_{1,5} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4745.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{3,6} \vdash e_{3,6} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}}$$

4746.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor e_{1,2} \vdash \neg e_{3,6} \lor e_{1,2}$$

4747.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,2}, \neg e_{2,3}}$$

4748.
$$e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,6}, e_{2,6}}$$

$$4749. \ e_{1,3}, \neg e_{1,3} \vee \neg e_{1,6} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg e_{1,6}$$

4750.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6}, e_{2,6}} \lor e_{2,3} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{2,3}$$

4751.
$$e_{1,3}, \neg e_{1,3} \lor e_{3,5} \lor \neg e_{2,3} \vdash e_{3,5} \lor \neg e_{2,3}$$

4752.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

4753.
$$e_{1,3}, \neg e_{1,3} \lor e_{1,2} \lor e_{2,6} \vdash e_{1,2} \lor e_{2,6}$$

4754.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

4755.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{1,6} \vdash e_{1,6} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$4756. \ e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4757. \ e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4758.
$$e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor e_{2,3} \vdash \neg e_{1,2} \lor e_{2,3}$$

4759.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,2} \vdash e_{1,2} \lor t_{e_{1,2}, e_{2,3}}$$

4760.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}}, \neg e_{1,3} \lor e_{1,2} \vdash e_{1,2} \lor \neg t_{e_{1,2}}, \neg e_{1,3}$$

4761.
$$e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4762. \ e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{e_{1,3}, \, \neg e_{2,3}}$$

4763.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor e_{1,2} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor e_{1,2}$$

4764.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{1,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor \neg e_{1,6}$$

4765.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{3,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4766.
$$e_{1,3}, \neg e_{1,3} \lor e_{2,3} \lor e_{2,6} \vdash e_{2,3} \lor e_{2,6}$$

4767.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

4768.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{1,5} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,3}, e_{2,3}}$$

4769.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,2} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,2}$$

4770.
$$e_{1,3}, \neg e_{1,3} \lor e_{3,6} \lor e_{2,3} \vdash e_{3,6} \lor e_{2,3}$$

4771.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

4772.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \lor e_{3,6} \vdash t_{e_{1,2},\, e_{1,3}} \lor e_{3,6}$$

4773.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}}$$

4774.
$$e_{1,4}, \neg e_{1,4} \lor e_{4,6} \vdash e_{4,6}$$

4775.
$$e_{1,4}, \neg e_{1,4} \lor e_{4,5} \vdash e_{4,5}$$

4776.
$$e_{1,4}, \neg e_{4,5} \lor \neg e_{1,4} \vdash \neg e_{4,5}$$

4777.
$$e_{1,4}, \neg e_{4,6} \lor \neg e_{1,4} \vdash \neg e_{4,6}$$

4778.
$$e_{1,4}, \neg e_{1,4} \lor e_{2,4} \vdash e_{2,4}$$

4779.
$$e_{2,4}, \neg e_{2,4} \lor e_{4,5} \vdash e_{4,5}$$

4780.
$$e_{2,4}, e_{1,4} \lor \neg e_{2,4} \vdash e_{1,4}$$

4781.
$$e_{2.4}, \neg e_{4.6} \lor \neg e_{2.4} \vdash \neg e_{4.6}$$

4782.
$$e_{2,4}, \neg e_{4,5} \lor \neg e_{2,4} \vdash \neg e_{4,5}$$

4783.
$$e_{2,4}, e_{4,6} \vee \neg e_{2,4} \vdash e_{4,6}$$

4784.
$$e_{2,5}, \neg e_{2,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}}$$

4785.
$$e_{2,5}, e_{5,6} \lor \neg e_{2,5} \vdash e_{5,6}$$

4786.
$$e_{2,5}, \neg e_{1,2} \lor \neg e_{2,5} \vdash \neg e_{1,2}$$

4787.
$$e_{2,5}, e_{1,5} \vee \neg e_{2,5} \vdash e_{1,5}$$

4788.
$$e_{2.5}, \neg e_{2.5} \lor e_{2.3} \vdash e_{2.3}$$

4789.
$$e_{2,5}, e_{1,3} \vee \neg e_{2,5} \vdash e_{1,3}$$

4790.
$$e_{2,5}, e_{1,2} \vee \neg e_{2,5} \vdash e_{1,2}$$

4791.
$$e_{2,5}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,3}, \neg e_{2,3}}$$

4792.
$$e_{2,5}, \neg e_{2,5} \lor e_{1,3} \vdash e_{1,3}$$

4793.
$$e_{2,5}, e_{2,3} \vee \neg e_{2,5} \vdash e_{2,3}$$

4794.
$$e_{2,5}, \neg e_{2,5} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}}$$

4795.
$$e_{2,5}, \neg e_{2,5} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}}$$

4796.
$$e_{2,5}, t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,5} \vdash t_{\neg e_{1,2}, e_{2,3}}$$

4797.
$$e_{2,5}, \neg e_{5,6} \lor \neg e_{2,5} \vdash \neg e_{5,6}$$

4798.
$$e_{2,5}, \neg e_{2,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}}$$

4799.
$$e_{2.5}, \neg e_{2.3} \lor \neg e_{2.5} \vdash \neg e_{2.3}$$

4800.
$$e_{2,5}, \neg e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

4801.
$$e_{2,5}, \neg e_{2,5} \lor e_{4,5} \vdash e_{4,5}$$

4802.
$$e_{2,5}, \neg e_{2,5} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}}$$

4803.
$$e_{2,5}, t_{e_{1,3}, e_{2,3}} \vee \neg e_{2,5} \vdash t_{e_{1,3}, e_{2,3}}$$

4804.
$$e_{2,5}, \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

4805.
$$e_{2,5}, t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \vdash t_{e_{1,2}, \neg e_{2,3}}$$

4806.
$$e_{2,5}, t_{e_{1,2}, e_{1,3}} \vee \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}}$$

4807.
$$e_{2,5}, \neg e_{4,5} \lor \neg e_{2,5} \vdash \neg e_{4,5}$$

4808.
$$e_{1.6}$$
, $\neg e_{1.6} \lor e_{1.3} \vdash e_{1.3}$

4809.
$$e_{1,6}, \neg e_{1,6} \lor \neg e_{4,6} \vdash \neg e_{4,6}$$

$$4810. \ e_{1,6}, \neg e_{1,6} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}}$$

4811.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

4812.
$$e_{1,6}, e_{1,3} \vee \neg e_{1,6} \vdash e_{1,3}$$

4813.
$$e_{1,6}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,6} \vdash \neg t_{e_{1,2}, \neg e_{2,3}}$$

4814.
$$e_{1,6}, \neg e_{1,6} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg t_{\neg e_{1,2}, e_{1,3}}$$

4815.
$$e_{1,6}, t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{1,6} \vdash t_{\neg e_{1,2}, e_{2,3}}$$

4816.
$$e_{1,6}, \neg e_{1,6} \lor \neg e_{1,3} \vdash \neg e_{1,3}$$

4817.
$$e_{1,6}, t_{e_{1,3}, e_{2,3}} \vee \neg e_{1,6} \vdash t_{e_{1,3}, e_{2,3}}$$

4818.
$$e_{1,6}, e_{1,2} \vee \neg e_{1,6} \vdash e_{1,2}$$

4819.
$$e_{1,6}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{1,6} \vdash \neg t_{e_{1,2}, \neg e_{1,3}}$$

4820.
$$e_{1,6}, \neg e_{1,6} \lor e_{2,6} \vdash e_{2,6}$$

4821.
$$e_{1,6}, \neg e_{1,6} \lor \neg e_{5,6} \vdash \neg e_{5,6}$$

4822.
$$e_{1,6}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{1,6} \vdash t_{e_{1,3}, \neg e_{2,3}}$$

4823.
$$e_{1,6}, \neg e_{1,6} \lor e_{2,3} \vdash e_{2,3}$$

4824.
$$e_{1,6}, \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{1,6} \vdash \neg t_{e_{1,3}, \neg e_{2,3}}$$

4825.
$$e_{1,6}, e_{2,3} \vee \neg e_{1,6} \vdash e_{2,3}$$

4826.
$$e_{1,6}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,6} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

4827.
$$e_{1,6}, t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{1,6} \vdash t_{\neg e_{1,3}, e_{2,3}}$$

4828.
$$e_{1,6}, e_{5,6} \vee \neg e_{1,6} \vdash e_{5,6}$$

4829.
$$e_{1,6}, t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,6} \vdash t_{e_{1,2}, \neg e_{2,3}}$$

4830.
$$e_{1,6}, \neg e_{1,2} \lor \neg e_{1,6} \vdash \neg e_{1,2}$$

4831.
$$e_{1,6}, \neg e_{1,6} \lor e_{4,6} \vdash e_{4,6}$$

4832.
$$e_{1,6}, \neg e_{1,6} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}}$$

4833.
$$e_{2,6}, \neg e_{2,6} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \, e_{2,3}}$$

4834.
$$e_{2,6}, \neg e_{1,2} \lor \neg e_{2,6} \vdash \neg e_{1,2}$$

4835.
$$e_{2,6}, \neg e_{2,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}}$$

4836.
$$e_{2,6}, e_{2,3} \vee \neg e_{2,6} \vdash e_{2,3}$$

4837.
$$e_{2,6}, \neg e_{2,6} \lor \neg e_{4,6} \vdash \neg e_{4,6}$$

4838.
$$e_{2,6}, \neg e_{2,6} \lor e_{1,2} \vdash e_{1,2}$$

4839.
$$e_{2,6}, \neg e_{2,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}}$$

4840.
$$e_{2,6}, \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

4841.
$$e_{2,6}, \neg e_{2,6} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}}$$

4842.
$$e_{2,6}, t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \vdash t_{\neg e_{1,2}, e_{2,3}}$$

4843.
$$e_{2,6}, \neg e_{2,6} \lor \neg e_{5,6} \vdash \neg e_{5,6}$$

4844.
$$e_{2,6}, \neg e_{2,6} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}}$$

4845.
$$e_{2,6}, t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, \neg e_{2,3}}$$

4846.
$$e_{2,6}, e_{1,3} \lor \neg e_{2,6} \vdash e_{1,3}$$

4847.
$$e_{2,6}, t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}}$$

4848.
$$e_{2,6}, \neg e_{2,6} \lor e_{4,6} \vdash e_{4,6}$$

4849.
$$e_{2,6}, \neg e_{2,6} \lor \neg e_{2,3} \vdash \neg e_{2,3}$$

4850.
$$e_{2,6}, \neg e_{2,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

4851.
$$e_{2,6}, e_{5,6} \vee \neg e_{2,6} \vdash e_{5,6}$$

4852.
$$e_{2,6}, \neg e_{2,6} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}}$$

4853.
$$e_{2,6}, t_{e_{1,3}, e_{2,3}} \vee \neg e_{2,6} \vdash t_{e_{1,3}, e_{2,3}}$$

4854.
$$e_{2,6}, e_{1,6} \vee \neg e_{2,6} \vdash e_{1,6}$$

4855.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

4856.
$$e_{1,5}, \neg e_{1,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}}$$

4857.
$$e_{1,5}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,5} \vdash \neg t_{e_{1,2}, \neg e_{2,3}}$$

4858.
$$e_{1,5}, \neg e_{1,5} \lor \neg e_{1,3} \vdash \neg e_{1,3}$$

4859.
$$e_{1,5}, e_{1,3} \vee \neg e_{1,5} \vdash e_{1,3}$$

4860.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{e_{1,3},\, e_{2,3}}$$

4861.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}}$$

4862.
$$e_{1,5}, \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{1,5} \vdash \neg t_{e_{1,3}, \neg e_{2,3}}$$

4863.
$$e_{1,5}, t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,5} \vdash t_{e_{1,2}, \neg e_{2,3}}$$

4864.
$$e_{1,5}, t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{1,5} \vdash t_{\neg e_{1,2}, e_{2,3}}$$

4865.
$$e_{1,5}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

4866.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg t_{\neg e_{1,2}, e_{1,3}}$$

4867.
$$e_{1,5}, \neg e_{1,2} \lor \neg e_{1,5} \vdash \neg e_{1,2}$$

4868.
$$e_{1,5}, \neg e_{1,5} \lor e_{1,2} \vdash e_{1,2}$$

4869.
$$e_{1,5}, e_{2,3} \vee \neg e_{1,5} \vdash e_{2,3}$$

4870.
$$e_{1,5}, \neg e_{1,5} \lor e_{4,5} \vdash e_{4,5}$$

4871.
$$e_{1,5}, \neg e_{1,5} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}}$$

4872.
$$e_{1,5}, e_{5,6} \vee \neg e_{1,5} \vdash e_{5,6}$$

4873.
$$e_{1,5}, \neg e_{1,5} \lor \neg e_{4,5} \vdash \neg e_{4,5}$$

4874.
$$e_{1,5}, \neg e_{1,5} \lor e_{2,5} \vdash e_{2,5}$$

4875.
$$e_{1,5}, \neg e_{1,5} \lor e_{1,3} \vdash e_{1,3}$$

4876.
$$e_{1,5}, \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}}$$

4877.
$$e_{1,5}, \neg e_{1,5} \lor \neg e_{5,6} \vdash \neg e_{5,6}$$

4878.
$$e_{2,3}, e_{1,5} \vee \neg e_{2,3} \vdash e_{1,5}$$

4879.
$$e_{2,3}, t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

4880.
$$e_{2,3}, \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg e_{2,3} \vdash \neg t_{\neg e_{1,5}, e_{2,5}}$$

4881.
$$e_{2,3}, t_{e_{1,3}, e_{2,3}} \vee \neg e_{2,3} \vdash t_{e_{1,3}, e_{2,3}}$$

4882.
$$e_{2,3}, e_{1,3} \lor \neg e_{2,3} \vdash e_{1,3}$$

4883.
$$e_{2,3}, t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \vdash t_{e_{1,3}, \neg e_{2,3}}$$

4884.
$$e_{2,3}, \neg e_{3,6} \lor \neg e_{2,3} \vdash \neg e_{3,6}$$

4885.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}}$$

4886.
$$e_{2,3}, e_{2,5} \vee \neg e_{2,3} \vdash e_{2,5}$$

4887.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

4888.
$$e_{2,3}, \neg e_{2,3} \lor \neg e_{2,5} \vdash \neg e_{2,5}$$

4889.
$$e_{2.3}, \neg e_{2.3} \lor e_{2.6} \vdash e_{2.6}$$

4890.
$$e_{2,3}, t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,3} \vdash t_{e_{1,5}, \neg e_{2,5}}$$

4891.
$$e_{2,3}, e_{1,6} \vee \neg e_{2,3} \vdash e_{1,6}$$

4892.
$$e_{2,3}, \neg e_{2,6} \lor \neg e_{2,3} \vdash \neg e_{2,6}$$

4893.
$$e_{2,3}, \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

4894.
$$e_{2,3}, \neg e_{2,3} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{1,6}, e_{2,6}}$$

4895.
$$e_{2,3}, t_{e_{1,2}, e_{1,3}} \vee \neg e_{2,3} \vdash t_{e_{1,2}, e_{1,3}}$$

4896.
$$e_{2,3}, t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,3} \vdash t_{\neg e_{1,2}, e_{2,3}}$$

4897.
$$e_{2,3}, \neg e_{2,3} \lor e_{1,2} \vdash e_{1,2}$$

4898.
$$e_{2,3}, \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3} \vdash \neg t_{e_{1,2}, \neg e_{1,3}}$$

4899.
$$e_{2,3}, \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \vdash \neg t_{e_{1,2}, \neg e_{2,3}}$$

4900.
$$e_{2,3}, e_{3,6} \vee \neg e_{2,3} \vdash e_{3,6}$$

4901.
$$e_{2,3}, \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}}$$

4902.
$$e_{2,3}, e_{1,2} \vee \neg e_{2,3} \vdash e_{1,2}$$

4903.
$$e_{2,3}, t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,3} \vdash t_{e_{1,6}, \neg e_{2,6}}$$

4904.
$$e_{2,3}, \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}}$$

4905.
$$e_{2,3}, \neg e_{2,3} \lor \neg e_{3,5} \vdash \neg e_{3,5}$$

4906.
$$e_{2,3}, \neg e_{1,2} \lor \neg e_{2,3} \vdash \neg e_{1,2}$$

4907.
$$e_{2,3}, e_{3,5} \vee \neg e_{2,3} \vdash e_{3,5}$$

4908.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}}$$

4909.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{2,6} \vdash \neg e_{2,6}$$

4910.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{2,5} \vdash \neg e_{2,5}$$

4911.
$$e_{1,2}, \neg e_{1,2} \lor e_{2,5} \vdash e_{2,5}$$

4912.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}}$$

4913.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,3} \vdash e_{1,3}$$

4914.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}}$$

4915.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{\neg e_{1,2}, \, e_{2,3}}$$

4916.
$$e_{1,2}, \neg t_{e_{1,5}}, \neg e_{2,5} \lor \neg e_{1,2} \vdash \neg t_{e_{1,5}}, \neg e_{2,5}$$

4917.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

4918.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,6} \vdash e_{1,6}$$

4919.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}}$$

4920.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}}$$

4921.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}}$$

4922.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

4923.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{\neg e_{1,3}, \, e_{2,3}}$$

4924.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}}$$

4925.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,3} \vdash \neg e_{1,3}$$

4926.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}}$$

4927.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg t_{\neg e_{1,2}, e_{1,3}}$$

4928.
$$e_{1,2}, \neg e_{1,2} \lor e_{1,5} \vdash e_{1,5}$$

4929.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}}$$

4930.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}}$$

4931.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}}$$

4932.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}}$$

4933.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,5} \vdash \neg e_{1,5}$$

4934.
$$e_{1,2}, \neg e_{1,2} \lor e_{2,3} \vdash e_{2,3}$$

4935.
$$e_{1,2}, \neg e_{1,2} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{1,6}, e_{2,6}}$$

4936.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}}$$

4937.
$$e_{1,2}, \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}}$$

4938.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{1,6} \vdash \neg e_{1,6}$$

4939.
$$e_{1,2}, \neg e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}}$$

4940.
$$e_{1,2}, \neg e_{1,2} \lor e_{2,6} \vdash e_{2,6}$$

4941.
$$e_{1,2}, \neg e_{1,2} \lor \neg e_{2,3} \vdash \neg e_{2,3}$$

4942.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}}$$

4943.
$$e_{1,3}, \neg e_{1,5} \lor \neg e_{1,3} \vdash \neg e_{1,5}$$

4944.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}}$$

4945.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{3,5} \vdash \neg e_{3,5}$$

4946.
$$e_{1,3}, t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,3} \vdash t_{e_{1,2}, \neg e_{2,3}}$$

4947.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}}$$

4948.
$$e_{1,3}, \neg e_{1,3} \lor e_{3,6} \vdash e_{3,6}$$

4949.
$$e_{1,3}, \neg e_{1,3} \lor \neg e_{3,6} \vdash \neg e_{3,6}$$

4950.
$$e_{1,3}, t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,3} \vdash t_{\neg e_{1,2}, \neg e_{2,3}}$$

4951.
$$e_{1,3}, \neg e_{1,6} \lor \neg e_{1,3} \vdash \neg e_{1,6}$$

4952.
$$e_{1,3}, t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{1,3} \vdash t_{\neg e_{1,2}, e_{2,3}}$$

4953.
$$e_{1,3}, \neg e_{1,2} \lor \neg e_{1,3} \vdash \neg e_{1,2}$$

4954.
$$e_{1,3}, \neg e_{1,3} \lor e_{3,5} \vdash e_{3,5}$$

4955.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}}$$

4956.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,3}, \, e_{2,3}}$$

4957.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

4958.
$$e_{1,3}, e_{1,5} \vee \neg e_{1,3} \vdash e_{1,5}$$

4959.
$$e_{1,3}, e_{1,6} \vee \neg e_{1,3} \vdash e_{1,6}$$

4960.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}}$$

4961.
$$e_{1,3}, e_{2,3} \vee \neg e_{1,3} \vdash e_{2,3}$$

4962.
$$e_{1,3}, \neg e_{1,3} \lor e_{1,2} \vdash e_{1,2}$$

4963.
$$e_{1,3}, \neg e_{1,3} \lor e_{2,6} \vdash e_{2,6}$$

4964.
$$e_{1,3}, t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{1,3} \vdash t_{\neg e_{1,6}, e_{2,6}}$$

4965.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}}$$

4966.
$$e_{1,3}, \neg e_{1,3} \lor e_{2,3} \vdash e_{2,3}$$

4967.
$$e_{1,3}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}}$$

4968.
$$e_{1,3}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}}$$

4969.
$$e_{1,3}, \neg e_{1,3} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}}$$

4970.
$$\neg e_{1,6}, e_{1,6} \vdash \bot$$