# Домашнее задание по Математической логике №5

## Приложение 2. Метод резолюций

## Часть 1.1 - 5000

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

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

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

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

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

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

7. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2},e_{1,3}} \vdash \neg e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

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

$$9. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor \neg e_{1,4} \lor e_{1,3} \lor e_{1,2}$$

10. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

11. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

$$12. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor \neg e_{1,4} \lor e_{1,3} \lor e_{1,2}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

107. 
$$\neg e_{1,3} \lor t_{e_{1,2},e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3},e_{2,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,3},e_{2,3}}$$

108. 
$$\neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$109. \ \, \neg e_{1,3} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\,\neg e_{2,3}}$$

110. 
$$\neg e_{1,3} \lor t_{e_{1,2},e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\neg e_{2,3}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\neg e_{2,3}}$$

111. 
$$\neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

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

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

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

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

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

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

118. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}}$$

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

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

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

$$122. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

123. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}}$$

$$124. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,5},\,\neg e_{1,6}}$$

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

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

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

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

$$129. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$130. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash e_{1,5} \lor e_{1,6} \lor \neg e_{1,4} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

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

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

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

134. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}}$$

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

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

137. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \lor \neg e_{1,4}$$

138. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

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

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

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

$$142. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

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

144. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

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

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

$$147. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$148. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}}$$

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

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

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

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

$$153. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

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

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

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

$$157. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,5},\,e_{2,5}} \lor e_{1,6}$$

158. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,5}, e_{2,5}} \lor e_{1,6}$$

159. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,5}, e_{2,5}} \lor e_{1,6}$$

160. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,5}, e_{2,5}} \lor e_{1,6}$$

$$161. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_$$

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

$$163. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$164. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_$$

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

$$166. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}}$$

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

$$168. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}}$$

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

170. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

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

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

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

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

175. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,6}, e_{2,6}}$$

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

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

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

179. 
$$\neg e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash \neg e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

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

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

$$182. \ \, \neg e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}}$$

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

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

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

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

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

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

$$189. \ \, \neg e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}}$$

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

191. 
$$\neg e_{1,5} \lor t_{e_{1,2},e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},e_{1,6}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg t_{e_{1,5},e_{1,6}} \lor e_{1,6}$$

192. 
$$\neg e_{1,5} \lor t_{e_{1,2},e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},e_{1,3}}$$

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

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

$$195. \ \, \neg e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}}$$

196. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

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

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

199. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

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

201. 
$$\neg e_{1,5} \lor t_{e_{1,2},e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5},e_{2,5}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,5},e_{2,5}}$$

$$202. \ \, \neg e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

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

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

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

$$206. \ \, \neg e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}}$$

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

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

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

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

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

$$212. \ \, \neg e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5}$$

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

214. 
$$\neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}}$$

215. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},e_{1,3}} \vdash \neg e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

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

217. 
$$\neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash \neg e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

218. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,6} \lor t_{e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}}$$

219. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},e_{1,3}} \vdash \neg e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

$$220. \ \, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\,e_{1,6}}$$

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

$$222. \ \, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\,e_{1,6}}$$

223. 
$$\neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}}$$

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

225. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},e_{1,3}}$$

$$226. \ \, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\,e_{1,6}}$$

$$227. \ \, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}}$$

228. 
$$\neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}}$$

$$229. \ \, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}}$$

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

231. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},\neg e_{1,3}}$$

232. 
$$\neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}}$$

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

234. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6},\neg e_{2,6}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,6},\neg e_{2,6}}$$

235. 
$$\neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

236. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6},\neg e_{2,6}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,6},\neg e_{2,6}}$$

237. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6},e_{2,6}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,6},e_{2,6}}$$

238. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6},e_{2,6}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,6},e_{2,6}}$$

239. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6},e_{2,6}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,6},e_{2,6}}$$

240. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6},e_{2,6}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,6},e_{2,6}}$$

$$241. \ \, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6}$$

$$242. \ \, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6}$$

243. 
$$\neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6}$$

$$244. \ \, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6}$$

245. 
$$\neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, e_{2,6}} \lor e_{2,6}$$

246. 
$$\neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, e_{2,6}} \lor e_{2,6}$$

247. 
$$\neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, e_{2,6}} \lor e_{2,6}$$

248. 
$$\neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, e_{2,6}} \lor e_{2,6}$$

$$249. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash t_{e_{1,5},\,e_{1,6}} \lor e_{1,3} \lor e_{1,4} \lor e_{1,2}$$

$$250. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{1,5} \lor e_{1,6} \lor e_{1,4}$$

$$251. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash t_{e_{1,5},\,e_{1,6}} \lor e_{1,3} \lor e_{1,4} \lor e_{1,2}$$

252. 
$$e_{1,4} \lor t_{e_{1,2},e_{1,3}} \lor t_{e_{1,5},e_{1,6}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},e_{1,3}} \vdash t_{e_{1,5},e_{1,6}} \lor e_{1,3} \lor e_{1,4} \lor e_{1,2}$$

$$253. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,5},$$

$$254. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash t_{e_{1,5},\,e_{1,6}} \lor e_{1,3} \lor e_{1,4} \lor e_{1,2}$$

$$255. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,5},$$

$$256. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{1,5} \lor e_{1,6} \lor e_{1,4}$$

$$257. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$258. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,5},\,e_{1,6}} \lor$$

259. 
$$e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,5} \lor e_{1,6} \lor e_{1,4}$$

$$260. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}$$

$$261. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,5},\,e_{1,6}} \lor t_{$$

$$262. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{1,5} \lor e_{1,6} \lor e_{1,4}$$

$$263. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor e_{1,6}, \neg e_{1,6}, \neg e_{1,6} \lor e_{1,6}, \neg e_$$

$$264. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,5},\,e_{1,6$$

$$265. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor \neg e_{2$$

$$266. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor \neg e_{2$$

$$267. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor \neg e_{2$$

$$268. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor \neg e_{2$$

$$269. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \lor t_{e_{1,5},\,e_{1,6}} \lor e_{2,4} \lor$$

$$270. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \lor t_{e_{1,5},\,e_{1,6}} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{1,4}$$

$$271. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \lor t_{e_{1,5},\,e_{1,6}} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{1,4}$$

$$272. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \lor t_{e_{1,5},\,e_{1,6}} \lor e_{2,4}$$

$$273. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{1,5},\,e_{1,6}}$$

$$274. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{1,5},\,e_{1,6}}$$

$$275. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{1,5},\,e_{1,6}}$$

276. 
$$e_{1,4} \lor t_{e_{1,2},e_{1,3}} \lor t_{e_{1,5},e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\neg e_{2,4}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{e_{1,4},\neg e_{2,4}} \lor t_{e_{1,5},e_{1,6}}$$

$$277. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{1,5},\,e_{1,6}}$$

$$278. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{1,5},\,e_{1,6}}$$

279. 
$$e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{1,5}, e_{1,6}}$$

$$280. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{1,5},\,e_{1,6}}$$

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

282. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

$$283. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,5},\,e_{1,6}} \lor e_{1,3} \lor e_{1,4} \lor e_{1,2}$$

284. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, e_{1,5} \lor t_{e_{1,2},\,e_{1,3}} \vdash e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

285. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

$$286. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash t_{\neg e_{1,5},\,\neg e_{1,6}} \lor e_{1,3} \lor e_{1,4} \lor e_{1,2}$$

287. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

288. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

$$289. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},e_{1,3}}, \neg e_{1,4} \lor t_{e_{1,2},e_{1,3}} \lor t_{e_{1,5},\neg e_{1,6}} \vdash t_{e_{1,5},\neg e_{1,6}} \lor \neg e_{1,4} \lor e_{1,3} \lor e_{1,2}$$

290. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

291. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}} \vdash \neg e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

$$292. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{\neg e_{1,5},\,e_{1,6}} \lor \neg e_{1,4} \lor e_{1,3} \lor e_{1,2}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$344. \ \, \neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}}$$

345. 
$$\neg e_{1,2} \lor t_{e_{1,2},e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},e_{1,3}}$$

346. 
$$\neg e_{1,2} \lor t_{e_{1,2},e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},e_{1,3}}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$376. \ \, \neg e_{1,3} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,e_{1,3}}$$

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

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

379. 
$$\neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

396. 
$$\neg e_{1,3} \lor t_{e_{1,2},e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},e_{2,3}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg t_{e_{1,3},e_{2,3}} \lor e_{2,3}$$

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

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

$$399. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{1,6} \lor \neg e_{1,5} \lor e_{1,4}$$

$$400. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_$$

401. 
$$\neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$402. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$403. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, \, e_{1,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}$$

$$404. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_$$

$$405. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$406. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$407. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$408. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$409. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$410. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg e_{1,5} \lor \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$411. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_$$

$$412. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

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

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

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

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

$$417. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg e_{1,4}$$

$$418. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor e_{1,5} \lor \neg e_{1,6} \lor e_$$

$$419. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}$$

$$420. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,4}$$

$$421. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,$$

$$422. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6},\, \neg e_{1,6}} \lor e_{1,6} \lor e_{1,6$$

$$423. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_$$

$$424. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{1,6} \lor e_{1,6}$$

$$425. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$426. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$427. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg$$

$$428. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e$$

$$429. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$430. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$431. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$432. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$433. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg$$

$$434. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$435. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg e_{2$$

$$436. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg e_{2,5}$$

$$437. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,5}}, e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,5}},$$

$$438. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$439. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$440. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,5}}, e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,5}}, e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,5}},$$

$$441. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$442. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$$

$$443. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$444. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$445. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \, e_{2,6}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}$$

$$446. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \, e_{2,6}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}$$

$$447. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,6} \lor \neg e_{1,6$$

$$448. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$449. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,6} \lor \neg e_{$$

$$450. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,6} \vee \neg e_{2,6} \vee \neg t_{e_{1,6}, \, \neg e_{2,6}} \vdash \neg e_{1,5} \vee \neg t_{e_{1,6}, \, \neg e_{2,6}} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee \neg e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee \neg e_{2,6} \vee \neg t_{\neg e_{1,6}, \, \neg e_{2,6}} \vee \neg t_$$

$$451. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,6} \lor \neg e$$

$$452. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$453. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{2,6}$$

$$454. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{2,6}$$

$$455. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{2,6}$$

$$456. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{2,6}$$

457. 
$$e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

458. 
$$e_{1,5} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}}$$

459. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

$$460. \ e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}}$$

461. 
$$e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

462. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}}$$

463. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

464. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

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

$$466. \ e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

467. 
$$e_{1,5} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{e_{1,2},\neg e_{1,3}}$$

$$468. \ e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}}$$

469. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

470. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

471. 
$$e_{1,5} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},e_{1,3}}$$

$$472. \ e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}}$$

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

$$474. \ e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}}$$

475. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

476. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

$$477. \ e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}}$$

478. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

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

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

$$481. \ e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \lor e_{2,5}$$

$$482. \ e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \lor e_{2,5}$$

483. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

484. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

485. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, e_{1,3}}$$

486. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, e_{1,3}}$$

487. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, e_{1,3}}$$

488. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, e_{1,3}}$$

489. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

490. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

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

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

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

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

495. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

$$496. \ e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}}$$

497. 
$$e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

498. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

499. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

500. 
$$e_{1,6} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}}$$

501. 
$$e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\neg e_{1,6}} \vdash t_{e_{1,2},e_{1,3}} \lor e_{1,5} \lor \neg t_{e_{1,5},\neg e_{1,6}}$$

502. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

503. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$504. \ e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}}$$

505. 
$$e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\neg e_{1,6}} \vdash t_{e_{1,2},e_{1,3}} \lor e_{1,5} \lor \neg t_{e_{1,5},\neg e_{1,6}}$$

506. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

507. 
$$e_{1,6} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},e_{1,3}}$$

$$508. \ e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}}$$

509. 
$$e_{1,6} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},\neg e_{1,3}}$$

$$510. \ e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}}$$

$$511. \ e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{1,5} \lor \neg t_{e_{1,5},\,\neg e_{1,6}}$$

$$512. \ e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

$$513. \ e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6}$$

$$514. \ e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6}$$

515. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6}$$

$$516. \ e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6}$$

$$517. \ e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}}$$

$$518. \ e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}}$$

$$519. \ e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}}$$

$$520. \ e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}}$$

$$521. \ e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,6},\,\neg e_{2,6}}$$

$$522. \ e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,6},\,\neg e_{2,6}}$$

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

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

525. 
$$e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6},\,e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,6},\,e_{2,6}}$$

526. 
$$e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6},\,e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,6},\,e_{2,6}}$$

527. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,6}, e_{2,6}}$$

528. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,6}, e_{2,6}}$$

$$529. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,5},\,\neg e_{1,6}} \lor e_{1,3} \lor e_{1,4} \lor e_{1,2}$$

$$530. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,5},\,\neg e_{1,6}} \lor e_{1,3} \lor e_{1,4} \lor e_{1,2}$$

$$531. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,5},\,\neg e_{1,6}} \lor e_{1,3} \lor e_{1,4} \lor e_{1,2}$$

$$532. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}$$

$$533. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,5},\,\neg e_{1,6}} \lor e_{1,3} \lor e_{1,4} \lor e_{1,2}$$

$$534. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor t_{\neg e_$$

$$535. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,2},\,\neg e_{1,3$$

$$536. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,\neg e_{$$

$$537. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,5},\,e_{1,6}} \lor t_{$$

$$538. \ e_{1,4} \lor t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,5},\neg e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},e_{1,3}} \lor t_{\neg e_{1,5},\neg e_{1,6}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},e_{1,3}} \lor t_{\neg e_{1,5},\neg e_{1,6}}$$

$$539. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{$$

$$540. \ \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

$$541. \ \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor \neg t_{\neg e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor \neg e_{2,4$$

$$542. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor \neg t_{\neg e_{1,4},\,\neg e_{2,4}} \lor \neg t_{\neg$$

$$543. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor \neg t_{\neg e_{1,4},\,\neg e_{2,4}} \lor \neg t_{\neg$$

$$544. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor \neg t_{\neg e_{1,4},\,\neg e_{2,4}} \lor \neg t_{\neg$$

$$545. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor e_{2,4} \lor e_{2,4} \lor \neg e_{2,4$$

$$546. \ e_{1,4} \lor t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,5},\neg e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},e_{2,4}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,4},e_{2,4}} \lor t_{\neg e_{1,5},\neg e_{1,6}} \lor e_{2,4}$$

$$547. \ e_{1,4} \lor t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,5},\neg e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},e_{2,4}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,4},e_{2,4}} \lor t_{\neg e_{1,5},\neg e_{1,6}} \lor e_{2,4}$$

$$548. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor e_{2,4}$$

$$549. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}$$

$$550. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}$$

$$551. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}$$

$$552. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,6} \lor e_{1,6}, \neg e_{1,6}$$

$$553. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}$$

$$554. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}$$

$$555. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}$$

$$556. \ e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}$$

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

558. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

559. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, e_{1,6}} \lor e_{1,3} \lor e_{1,4} \lor e_{1,2}$$

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

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

$$562. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash t_{\neg e_{1,5},\,\neg e_{1,6}} \lor e_{1,3} \lor e_{1,4} \lor e_{1,2}$$

563. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

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

$$565. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor \neg e_{1,4} \lor e_{1,3} \lor e_{1,2}$$

566. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, e_{1,5} \lor t_{e_{1,2},\,e_{1,3}} \vdash e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

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

$$568. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{\neg e_{1,5},\,e_{1,6}} \lor \neg e_{1,4} \lor e_{1,3} \lor e_{1,2}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$673. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$674. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$675. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,$$

$$676. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,5}, \neg e_{1,6}}, e_$$

677. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$678. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,5}, \neg e_{1,6}} \lor e_{1,5} \lor e_$$

$$679. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,5} \lor \neg e_{1,6} \lor \neg e_{1,4}$$

$$680.\ \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

681. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$682. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg e_{1,6} \lor e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$683. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$684. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$685. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,$$

686. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$687. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$688. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$689. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,4}$$

690. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

691. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$692. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,$$

693. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

694. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

695. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$696. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,$$

$$697. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$698. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

699. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$700. \ e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \vee \neg e_{1,6} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \neg e_{1,4}} \vee \neg e_{1,4} \vee \tau_{\neg e_{1,4}, \neg e_{1,4}} \vee \neg e_{1,4} \vee \tau_{\neg e_{1,4}, \neg e_{1,4}} \vee \neg e_{1,4} \vee \tau_{\neg e_{1,4}, \neg e_{1,4}} \vee \neg e_{1,4} \vee \neg e_{1,4}} \vee \neg e_{1,4} \vee \neg e_{1,4}$$

$$701. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor$$

$$702. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$703. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$704. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$705. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$706. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$707. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$708. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$709. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

710. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

711. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

712. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

713. 
$$e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \vee t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \vee t_{e_{1,5}, e_{2,5}} \vee \neg t_{e_{1,5}, \neg e_{1,6}}$$

714. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

715. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$716. \ e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \vee t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \vee t_{e_{1,5}, e_{2,5}} \vee \neg t_{e_{1,5}, \neg e_{1,6}}$$

717. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

718. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$719. \ e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \vee \neg t_{e_{1,5}, \neg e_{1,6}} \vee t_{\neg e_{1,6}, \neg e_{2,6}}$$

720. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

721. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}}, \neg e_{1,6}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}}, \neg e_{1,6}$$

722. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}}, \neg e_{1,6}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

723. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

724. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$725. \ e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee \neg e_{2,6} \vee \neg t_{e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \vee \neg t_{e_{1,5}, \neg e_{1,6}} \vee \neg t_{e_{1,6}, \neg e_{2,6}} \vee \neg e_{2,6} \vee \neg e_$$

$$726. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$727. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$728. \ e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee \neg e_{2,6} \vee \neg t_{e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \vee \neg t_{e_{1,5}, \neg e_{1,6}} \vee \neg t_{e_{1,6}, \neg e_{2,6}} \vee \neg e_{2,6} \vee \neg e_$$

729. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}}, \neg e_{1,6}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}}, e_{2,6} \vdash e_{1,5} \lor \neg t_{e_{1,6}}, e_{2,6} \lor \neg t_{e_{1,5}}, \neg e_{1,6} \lor e_{2,6}$$

$$730. \ e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5},\, \neg e_{1,6}}, e_{1,6} \vee e_{2,6} \vee \neg t_{e_{1,6},\, e_{2,6}} \vdash e_{1,5} \vee \neg t_{e_{1,6},\, e_{2,6}} \vee \neg t_{e_{1,5},\, \neg e_{1,6}} \vee e_{2,6} \vee e_{2,6} \vee \neg t_{e_{1,5},\, \neg e_{1,6}} \vee e_{2,6} \vee$$

$$731. \ e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee e_{2,6} \vee \neg t_{e_{1,6}, e_{2,6}} \vdash e_{1,5} \vee \neg t_{e_{1,6}, e_{2,6}} \vee \neg t_{e_{1,5}, \neg e_{1,6}} \vee e_{2,6}$$

$$732. \ e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee e_{2,6} \vee \neg t_{e_{1,6}, e_{2,6}} \vdash e_{1,5} \vee \neg t_{e_{1,6}, e_{2,6}} \vee \neg t_{e_{1,5}, \neg e_{1,6}} \vee e_{2,6}$$

733. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

734. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

735. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

736. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}}$$

737. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

738. 
$$\neg e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}}$$

739. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

740. 
$$\neg e_{1,5} \lor t_{e_{1,2},e_{1,3}}, e_{1,5} \lor t_{e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}}$$

741. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

742. 
$$\neg e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,5} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

743. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

744. 
$$\neg e_{1,5} \lor t_{e_{1,2},e_{1,3}}, e_{1,5} \lor t_{e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{e_{1,2},\neg e_{1,3}}$$

745. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

746. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

747. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

748. 
$$\neg e_{1,5} \lor t_{e_{1,2},e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},e_{1,3}}$$

749. 
$$\neg e_{1,5} \lor t_{e_{1,2},e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},e_{1,6}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg t_{e_{1,5},e_{1,6}} \lor e_{1,6}$$

750. 
$$\neg e_{1,5} \lor t_{e_{1,2},e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},\neg e_{1,3}}$$

751. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

752. 
$$\neg e_{1,5} \lor t_{e_{1,2},e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},\neg e_{1,3}}$$

753. 
$$\neg e_{1,5} \lor t_{e_{1,2},e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

754. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

755. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

756. 
$$\neg e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}}$$

757. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

758. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

759. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

760. 
$$\neg e_{1,5} \lor t_{e_{1,2},e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5},e_{2,5}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,5},e_{2,5}}$$

761. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$762. \ \, \neg e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}}$$

763. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

764. 
$$\neg e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}}$$

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

766. 
$$\neg e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5}$$

767. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5}$$

768. 
$$\neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5}$$

769. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

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

771. 
$$e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},e_{1,3}} \vdash e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

772. 
$$e_{1,6} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\neg e_{1,6}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\neg e_{1,6}}$$

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

774. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

775. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

776. 
$$e_{1,6} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}}$$

777. 
$$e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\neg e_{1,6}} \vdash t_{e_{1,2},e_{1,3}} \lor e_{1,5} \lor \neg t_{e_{1,5},\neg e_{1,6}}$$

778. 
$$e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

779. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

780. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

781. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

782. 
$$e_{1,6} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},e_{1,3}}$$

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

784. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

785. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

786. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

787. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

788. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

789. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6}$$

790. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6}$$

791. 
$$e_{1,6} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\neg e_{2,6}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,6},\neg e_{2,6}} \lor \neg e_{2,6}$$

792. 
$$e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6}$$

793. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

794. 
$$e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}}$$

795. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

796. 
$$e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}}$$

797. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

798. 
$$e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,6},\,\neg e_{2,6}}$$

799. 
$$e_{1,6} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6},\neg e_{2,6}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{e_{1,6},\neg e_{2,6}}$$

800. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

801. 
$$e_{1,6} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6},e_{2,6}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{e_{1,6},e_{2,6}}$$

802. 
$$e_{1,6} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6},e_{2,6}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{e_{1,6},e_{2,6}}$$

803. 
$$e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,6}, e_{2,6}}$$

804. 
$$e_{1,6} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6},e_{2,6}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{e_{1,6},e_{2,6}}$$

$$805. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor \neg e_{1,4} \lor e_{1,2} \lor e_{1,3}$$

$$806. \ \neg e_{1,4} \lor t_{e_{1,2},e_{1,3}} \lor t_{e_{1,5},\neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2},e_{1,3}} \lor t_{e_{1,5},e_{1,6}} \vdash t_{e_{1,5},\neg e_{1,6}} \lor t_{e_{1,2},e_{1,3}} \lor t_{e_{1,5},e_{1,6}}$$

$$807. \ \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor \neg e_{1,4} \lor e_{1,2} \lor e_{1,3}$$

$$808. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,5},\,\neg e$$

$$809. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor \neg e_{1,4} \lor e_{1,2} \lor e_{1,3}$$

810. 
$$\neg e_{1,4} \lor t_{e_{1,2},e_{1,3}} \lor t_{e_{1,5},\neg e_{1,6}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},e_{1,3}} \vdash t_{e_{1,5},\neg e_{1,6}} \lor \neg e_{1,4} \lor e_{1,2} \lor e_{1,3}$$

811. 
$$\neg e_{1,4} \lor t_{e_{1,2},e_{1,3}} \lor t_{e_{1,5},\neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2},\neg e_{1,3}} \lor t_{e_{1,5},\neg e_{1,6}} \vdash t_{e_{1,5},\neg e_{1,6}} \lor t_{e_{1,2},e_{1,3}} \lor t_{e_{1,2},\neg e_{1,3}}$$

$$812. \ \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,5},\,e_{1,6$$

813. 
$$\neg e_{1,4} \lor t_{e_{1,2},e_{1,3}} \lor t_{e_{1,5},\neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2},e_{1,3}} \lor t_{e_{1,5},\neg e_{1,6}} \vdash t_{e_{1,5},\neg e_{1,6}} \lor t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},e_{1,3}}$$

$$814. \ \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}$$

$$815. \ \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \lor t_{$$

$$816. \ \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}$$

$$817. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

$$818. \ \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

819. 
$$\neg e_{1,4} \lor t_{e_{1,2},e_{1,3}} \lor t_{e_{1,5},\neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\neg e_{2,4}} \vdash t_{e_{1,5},\neg e_{1,6}} \lor t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,4},\neg e_{2,4}}$$

$$820. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

821. 
$$\neg e_{1,4} \lor t_{e_{1,2},e_{1,3}} \lor t_{e_{1,5},\neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},e_{2,4}} \vdash t_{e_{1,5},\neg e_{1,6}} \lor t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,4},e_{2,4}}$$

822. 
$$\neg e_{1,4} \lor t_{e_{1,2},e_{1,3}} \lor t_{e_{1,5},\neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},e_{2,4}} \vdash t_{e_{1,5},\neg e_{1,6}} \lor t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,4},e_{2,4}}$$

$$823. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,4},\,e_{2,4}}$$

$$824. \ \neg e_{1,4} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$825. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor \neg e$$

$$826. \ \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor \neg e_{2$$

$$827. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor \neg e$$

$$828. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor \neg e$$

$$829. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4} \lor e_{2,4}$$

$$830. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4} \lor e_{2,4}$$

$$831. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4} \lor e_{2,4}$$

$$832. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4} \lor e_{2,4}$$

833. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

834. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

835. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, e_{1,6}} \lor e_{1,3} \lor e_{1,4} \lor e_{1,2}$$

836. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

837. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

$$838. \ e_{1,2} \vee e_{1,3} \vee \neg t_{e_{1,2},\,e_{1,3}}, e_{1,4} \vee t_{e_{1,2},\,e_{1,3}} \vee t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash t_{\neg e_{1,5},\,\neg e_{1,6}} \vee e_{1,3} \vee e_{1,4} \vee e_{1,2}$$

839. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2},\,e_{1,3}} \vdash \neg e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

840. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

$$841. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor \neg e_{1,4} \lor e_{1,3} \lor e_{1,2}$$

842. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

843. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

$$844. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{\neg e_{1,5},\,e_{1,6}} \lor \neg e_{1,4} \lor e_{1,3} \lor e_{1,2}$$

$$845. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{1,2}$$

846. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$847. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{1,2}$$

848. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$849. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{1,2}$$

$$850. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$851. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \lor e_{1,2}$$

$$852. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

853. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},e_{1,3}} \vdash \neg t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,2},e_{1,3}} \lor e_{1,3}$$

$$854. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2}$$

$$855. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}$$

856. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2}$$

$$857. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}$$

858. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2}$$

$$859. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3}$$

$$860. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2}$$

$$861. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3}$$

$$862. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3}$$

$$863. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3}$$

$$864. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,3}$$

$$865. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$866. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$867. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$868. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3} \lor e_{2,3}$$

$$869. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2},\,\neg e_{2,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

$$870. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2},\,\neg e_{2,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor e_{1,3}$$

871. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

872. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

873. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2},e_{2,3}} \vdash \neg t_{e_{1,2},e_{1,3}} \lor t_{e_{1,2},e_{2,3}} \lor e_{1,3}$$

874. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,3}$$

875. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,3}$$

876. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$877. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2}$$

$$878. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2}$$

$$879. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2}$$

$$880. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash \neg t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2}$$

$$881. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$882. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$883. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

$$884. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{2,3} \lor e_{1,2}$$

885. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2}$$

$$886. \ e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2}$$

887. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\neg e_{2,3}} \vdash t_{e_{1,3},\neg e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,2}$$

888. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\neg e_{2,3}} \vdash t_{e_{1,3},\neg e_{2,3}} \lor \neg t_{e_{1,2},e_{1,3}} \lor e_{1,2}$$

889. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,2}$$

890. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,2}$$

891. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}$$

892. 
$$e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,2}$$

$$893. \ \, \neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}}$$

894. 
$$\neg e_{1,2} \lor t_{e_{1,2},e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\neg e_{1,3}}$$

$$895. \ \, \neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}}$$

$$896. \ \, \neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}}$$

897. 
$$\neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

898. 
$$\neg e_{1,2} \lor t_{e_{1,2},e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},e_{1,3}}$$

899. 
$$\neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

900. 
$$\neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}}$$

901. 
$$\neg e_{1,2} \lor t_{e_{1,2},e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},\neg e_{1,3}}$$

902. 
$$\neg e_{1,2} \lor t_{e_{1,2},e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},\neg e_{1,3}}$$

903. 
$$\neg e_{1,2} \lor t_{e_{1,2},e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},\neg e_{1,3}}$$

904. 
$$\neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

905. 
$$\neg e_{1,2} \lor t_{e_{1,2},e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\neg e_{2,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},\neg e_{2,3}}$$

906. 
$$\neg e_{1,2} \lor t_{e_{1,2},e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\neg e_{2,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},\neg e_{2,3}}$$

907. 
$$\neg e_{1,2} \lor t_{e_{1,2},e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\neg e_{2,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},\neg e_{2,3}}$$

908. 
$$\neg e_{1,2} \lor t_{e_{1,2},e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\neg e_{2,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},\neg e_{2,3}}$$

909. 
$$\neg e_{1,2} \lor t_{e_{1,2},e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},e_{2,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},e_{2,3}}$$

910. 
$$\neg e_{1,2} \lor t_{e_{1,2},e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},e_{2,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},e_{2,3}}$$

911. 
$$\neg e_{1,2} \lor t_{e_{1,2},e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},e_{2,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},e_{2,3}}$$

912. 
$$\neg e_{1,2} \lor t_{e_{1,2},e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},e_{2,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},e_{2,3}}$$

913. 
$$\neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg e_{2,3}$$

914. 
$$\neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg e_{2,3}$$

915. 
$$\neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3}$$

916. 
$$\neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg e_{2,3}$$

917. 
$$\neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{2,3}$$

918. 
$$\neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, e_{2,3}} \lor e_{2,3}$$

919. 
$$\neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, e_{2,3}} \lor e_{2,3}$$

920. 
$$\neg e_{1,2} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,e_{2,3}} \lor e_{2,3}$$

921. 
$$\neg e_{1,3} \lor t_{e_{1,2},e_{1,3}}, e_{1,3} \lor t_{e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{e_{1,2},\neg e_{1,3}}$$

922. 
$$\neg e_{1,3} \lor t_{e_{1,2},e_{1,3}}, e_{1,3} \lor t_{e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{e_{1,2},\neg e_{1,3}}$$

923. 
$$\neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

924. 
$$\neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

925. 
$$\neg e_{1,3} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg e_{1,2} \lor \neg t_{\neg e_{1,2},e_{1,3}}$$

926. 
$$\neg e_{1,3} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg e_{1,2} \lor \neg t_{\neg e_{1,2},e_{1,3}}$$

927. 
$$\neg e_{1,3} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg e_{1,2} \lor \neg t_{\neg e_{1,2},e_{1,3}}$$

$$928. \ \, \neg e_{1,3} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,e_{1,3}}$$

929. 
$$\neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

930. 
$$\neg e_{1,3} \lor t_{e_{1,2},e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},\neg e_{1,3}}$$

931. 
$$\neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

932. 
$$\neg e_{1,3} \lor t_{e_{1,2},e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},\neg e_{1,3}}$$

933. 
$$\neg e_{1,3} \lor t_{e_{1,2},e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3},\neg e_{2,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,3},\neg e_{2,3}}$$

934. 
$$\neg e_{1,3} \lor t_{e_{1,2},e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3},\neg e_{2,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,3},\neg e_{2,3}}$$

935. 
$$\neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

936. 
$$\neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

937. 
$$\neg e_{1,3} \lor t_{e_{1,2},e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3},e_{2,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,3},e_{2,3}}$$

938. 
$$\neg e_{1,3} \lor t_{e_{1,2},e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3},e_{2,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,3},e_{2,3}}$$

939. 
$$\neg e_{1,3} \lor t_{e_{1,2},e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3},e_{2,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,3},e_{2,3}}$$

940. 
$$\neg e_{1,3} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3},\,e_{2,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,3},\,e_{2,3}}$$

941. 
$$\neg e_{1,3} \lor t_{e_{1,2},e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\neg e_{2,3}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\neg e_{2,3}}$$

942. 
$$\neg e_{1,3} \lor t_{e_{1,2},e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\neg e_{2,3}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\neg e_{2,3}}$$

943. 
$$\neg e_{1,3} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\,\neg e_{2,3}}$$

944. 
$$\neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

945. 
$$\neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

946. 
$$\neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

947. 
$$\neg e_{1,3} \lor t_{e_{1,2},e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},e_{2,3}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg t_{e_{1,3},e_{2,3}} \lor e_{2,3}$$

948. 
$$\neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

949. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

950. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$951. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}$$

952. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

953. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

954. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}}$$

$$955. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor e_{1,6} \lor \neg e_{1,4}$$

956. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

957. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$958. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg e_{1,5} \lor e_{1,6} \lor e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

959. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

960. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$961. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}}$$

962. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

963. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

964. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}}$$

$$965. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor e_{1,6} \lor e_{1,4}$$

$$966. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$967. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$968. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor \neg$$

969. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

$$970. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor e_{1,$$

$$971. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$972. \ \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\,$$

973. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$974. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

975. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$976. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg e_{1,5} \lor e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg e_{1,4} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg e_{1,5} \lor e_{1,6} \lor t_{\neg e_{1,5},\, \neg e_{1,3}} \lor \neg e_{1,4} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor e$$

$$977. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$978. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

979. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

980. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

981. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5}, e_{2,5}}$$

982. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5}, e_{2,5}}$$

983. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

984. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$985. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}}$$

$$986. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}}$$

$$987. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}}$$

988. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$989. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$990. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

991. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$992. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$993. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg$$

$$994. \ \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor \neg t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor \neg e_{2,6} \lor$$

$$995. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg$$

$$996. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg$$

$$997. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}}$$

998. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

$$999. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}}$$

$$1000. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e$$

$$1001. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$1002. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$1003. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$1004. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$1005. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,6},\, e_{2,6}}$$

$$1006. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,6},\, e_{2,6}}$$

1007. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{e_{1,6}, e_{2,6}}$$

$$1008. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,6},\, e_{2,6}}$$

1009. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

1010. 
$$e_{1,5} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}}$$

1011. 
$$e_{1,5} \lor t_{e_{1,2},e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},e_{1,3}} \vdash e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

$$1012. \ e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}}$$

1013. 
$$e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

1014. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}}$$

1015. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor e_{1,3} \lor e_{1,2}$$

1016. 
$$e_{1,5} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},e_{1,6}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,5},e_{1,6}} \lor e_{1,6}$$

1017. 
$$e_{1,5} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{e_{1,2},\neg e_{1,3}}$$

$$1018. \ e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

1019. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1020. \ e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}}$$

$$1021. \ e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}}$$

$$1022. \ e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

1023. 
$$e_{1,5} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},e_{1,3}}$$

$$1024. \ e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}}$$

1025. 
$$e_{1,5} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,2},\neg e_{1,3}}$$

$$1026. \ e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}}$$

1027. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1028. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

1029. 
$$e_{1,5} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\neg e_{2,5}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\neg e_{2,5}}$$

$$1030. \ e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}}$$

$$1031. \ e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}}$$

1032. 
$$e_{1,5} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\neg e_{2,5}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\neg e_{2,5}}$$

$$1033. \ e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \lor e_{2,5}$$

1034. 
$$e_{1,5} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},e_{2,5}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,5},e_{2,5}} \lor e_{2,5}$$

1035. 
$$e_{1,5} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},e_{2,5}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg t_{\neg e_{1,5},e_{2,5}} \lor e_{2,5}$$

$$1036. \ \ e_{1,5} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \lor e_{2,5}$$

1037. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, e_{1,3}}$$

1038. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, e_{1,3}}$$

1039. 
$$e_{1,5} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5},\neg e_{2,5}} \vdash t_{e_{1,5},\neg e_{2,5}} \lor t_{e_{1,2},e_{1,3}}$$

1040. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, e_{1,3}}$$

1041. 
$$e_{1,5} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5},e_{2,5}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{e_{1,5},e_{2,5}}$$

1042. 
$$e_{1,5} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5},e_{2,5}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{e_{1,5},e_{2,5}}$$

1043. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

1044. 
$$e_{1,5} \lor t_{e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

1045. 
$$\neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash \neg e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

$$1046. \ \, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}}$$

1047. 
$$\neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash \neg e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

1048. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,6} \lor t_{e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}}$$

1049. 
$$\neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash \neg e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

1050. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,6} \lor t_{e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}}$$

1051. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},e_{1,3}} \vdash \neg e_{1,6} \lor e_{1,3} \lor e_{1,2}$$

$$1052. \ \, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\,e_{1,6}}$$

$$1053. \ \, \neg e_{1,6} \vee t_{e_{1,2},\,e_{1,3}}, e_{1,6} \vee t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \vee t_{e_{1,2},\,\neg e_{1,3}}$$

$$1054. \ \, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\,e_{1,6}}$$

$$1055. \ \, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}}$$

1056. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,6} \lor t_{e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{e_{1,2},\neg e_{1,3}}$$

1057. 
$$\neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}}$$

$$1058. \ \, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\,e_{1,6}}$$

$$1059. \ \, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}}$$

1060. 
$$\neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

1061. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},e_{1,6}} \vdash t_{e_{1,2},e_{1,3}} \lor e_{1,5} \lor \neg t_{e_{1,5},e_{1,6}}$$

1062. 
$$\neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1063. 
$$\neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1064. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},e_{1,6}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},e_{1,6}}$$

1065. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6},\neg e_{2,6}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,6},\neg e_{2,6}}$$

1066. 
$$\neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

1067. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6},\neg e_{2,6}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,6},\neg e_{2,6}}$$

1068. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6},\neg e_{2,6}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,6},\neg e_{2,6}}$$

1069. 
$$\neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,6}, e_{2,6}}$$

$$1070. \ \, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6},\,e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,6},\,e_{2,6}}$$

1071. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6},e_{2,6}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,6},e_{2,6}}$$

1072. 
$$\neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,6}, e_{2,6}}$$

$$1073. \ \, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6}$$

1074. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6},\neg e_{2,6}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg t_{e_{1,6},\neg e_{2,6}} \lor \neg e_{2,6}$$

$$1075. \ \, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6}$$

1076. 
$$\neg e_{1,6} \lor t_{e_{1,2},e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6},\neg e_{2,6}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg t_{e_{1,6},\neg e_{2,6}} \lor \neg e_{2,6}$$

1077. 
$$\neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, e_{2,6}} \lor e_{2,6}$$

1078. 
$$\neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, e_{2,6}} \lor e_{2,6}$$

$$1079. \ \, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6},\,e_{2,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,6},\,e_{2,6}} \lor e_{2,6}$$

1080. 
$$\neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, e_{2,6}} \lor e_{2,6}$$

$$1081. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,5},\,e_{1,6}} \lor \neg e_{1,4} \lor e_{1,2} \lor e_{1,3}$$

$$1082. \ \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{e_{1,5},\,e_{1,6}}$$

$$1083. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,5},\,e_{1,6}} \lor \neg e_{1,4} \lor e_{1,2} \lor e_{1,3}$$

$$1084. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor t_{$$

$$1085. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,5},\,e_{1,6}} \lor \neg e_{1,4} \lor e_{1,2} \lor e_{1,3}$$

$$1086. \ \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,5},\,e_{1,6}} \lor \neg e_{1,4} \lor e_{1,2} \lor e_{1,3}$$

$$1087. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,5},\,e_$$

$$1088. \ \neg e_{1,4} \lor t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,5},e_{1,6}}, e_{1,4} \lor t_{e_{1,2},\neg e_{1,3}} \lor t_{\neg e_{1,5},e_{1,6}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,5},e_{1,6}} \lor t_{e_{1,2},\neg e_{1,3}}$$

$$1089. \ \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,6} \lor t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,5},\,e_{1$$

$$1090. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}$$

$$1091. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{\neg e_$$

$$1092. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor$$

$$1093. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

$$1094. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

$$1095. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

$$1096. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

$$1097. \ \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,4},\,e_{2,4}}$$

1098. 
$$\neg e_{1,4} \lor t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,5},e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},e_{2,4}} \vdash t_{e_{1,2},e_{1,3}} \lor t_{\neg e_{1,5},e_{1,6}} \lor t_{\neg e_{1,4},e_{2,4}}$$

$$1099. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,4},\,e_{2,4}}$$

$$1100. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,4},\,e_{2,4}}$$

$$1101. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{e_$$

$$1102. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor \neg$$

$$1103. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor \neg$$

$$1104. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e$$

$$1105. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4} \lor e_{2,4$$

$$1106. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4} \lor e_{2,4$$

$$1107. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4} \lor e_{2,4$$

$$1108. \ \, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4} \lor e_{2,4$$

$$1109. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1110. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \, e_{1,3}} \vdash \neg e_{1,3} \lor t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}}$$

$$1111. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1112. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

$$1113. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

1114. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

$$1115. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1116. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

$$1117. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{1,5} \lor e_{1,2}$$

1118. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor e_{1,6} \lor e_{1,2}$$

1119. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,3} \lor t_{e_{1,5}, \neg e_{1,6}} \lor e_{1,4} \lor e_{1,2}$$

$$1120. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \lnot e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}} \vdash \neg e_{1,3} \lor e_{1,5} \lor e_{1,2}$$

1121. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{1,6} \lor e_{1,2}$$

$$1122. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,4} \lor e_{1,2}$$

1123. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{1,5} \lor e_{1,2}$$

1124. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{1,6} \lor e_{1,2}$$

$$1125. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash \neg e_{1,3} \lor t_{e_{1,5}, e_{1,6}} \lor \neg e_{1,4} \lor e_{1,2}$$

$$1126. \ e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2},\, \neg e_{1,3}}, e_{1,5} \vee t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,3} \vee e_{1,5} \vee e_{1,2}$$

1127. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor e_{1,6} \lor e_{1,2}$$

$$1128. \ \ e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, \lnot e_{1,6}} \vdash \lnot e_{1,3} \lor t_{\lnot e_{1,5}, \lnot e_{1,6}} \lor \lnot e_{1,4} \lor e_{1,2}$$

$$1129. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg$$

$$1130. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1131. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg$$

$$1132. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1133. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_$$

$$1134. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1135. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_$$

$$1136. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1137. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e$$

$$1138. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{$$

$$1139. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e$$

$$1140. \ \ e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor \lnot e_{2,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{2,3}} \vdash \lnot e_{1,3} \lor \lnot e_{2,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor \lnot t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor \lnot e_{1,2}, \lnot e_{1,3}, \lnot e_{1,2}, \lnot e_{1,3}, \lnot e_{1,3}, \lnot e_{1,2}, \lnot e_{1,3}, \lnot e_{$$

$$1141. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$1142. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$1143. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$1144. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$1145. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$1146. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$1147. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$1148. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$1149. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

1150. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$1151. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

1152. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$1153. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1154. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

1155. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1156. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1157. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1158. \ e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2},\, \neg e_{1,3}}, e_{1,3} \vee t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \vee \neg t_{e_{1,2},\, \neg e_{1,3}} \vee e_{1,2}$$

$$1159. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1160. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1161. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1162. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1163. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1164. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1165. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1166. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1167. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1168. \ e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

1169. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1170. \ \, \neg e_{1,2} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1171. \ \, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, \, e_{1,3}} \vdash \neg t_{e_{1,2}, \, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1172. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1173. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1174. \ \, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$1175. \ \, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$1176. \ \, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2$$

1177. 
$$\neg e_{1,2} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1178. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1179. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1180. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1181. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1182. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1183. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1184. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1185. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1186. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1187. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1188. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1189. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1190. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1191. 
$$\neg e_{1,2} \lor t_{e_{1,2}}, \neg e_{1,3}, e_{1,2} \lor t_{\neg e_{1,2}}, e_{2,3} \vdash t_{\neg e_{1,2}}, e_{2,3} \lor t_{e_{1,2}}, \neg e_{1,3}$$

1192. 
$$\neg e_{1,2} \lor t_{e_{1,2}}, \neg e_{1,3}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1193. \ \, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1194. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1195. \ \, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1196. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1197. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1198. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1199. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1200. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1201. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1202. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1203. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1204. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1205. \ \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{e_{1,2}, \lnot e_{1,3}} \vdash \lnot t_{e_{1,2}, \lnot e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor e_{1,3} \lor e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor e_{1,4} \lor e_{1$$

1206. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1207. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{e_{1,2}, \lnot e_{1,3}} \vdash \lnot t_{e_{1,2}, \lnot e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1208. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{e_{1,2}, \lnot e_{1,3}} \vdash \lnot t_{e_{1,2}, \lnot e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

1209. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1210. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1211. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1212. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1213. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \vdash \lnot e_{1,2} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,$$

1214. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1215. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \vdash \lnot e_{1,2} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,$$

$$1216. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \vdash \lnot e_{1,2} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,$$

1217. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1218. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor \lnot e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \vdash \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor \lnot e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{2,3} \lor t_{e_{2,3}, \lnot e_{2,3}} \lor \lnot e_{2,3} \lor t_{e_{2,3}, \lnot e_{2,3}}, \lnot e_{2,3} \lor$$

$$1219. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor \lnot e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \vdash \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor \lnot e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{2,3} \lor t_{e_{2,3}, \lnot e_{2,3}} \lor \lnot e_{2,3} \lor t_{e_{2,3}, \lnot e_{2,3}}, \lnot e_{2,3} \lor$$

$$1220. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor \lnot e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \vdash \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor \lnot e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{2,3} \lor$$

1221. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1222. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1223. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1224. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1225. \ e_{1,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1226. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1227. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1228. \ e_{1,3} \vee t_{e_{1,2},\, \neg e_{1,3}}, \neg e_{1,3} \vee t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \vee t_{e_{1,2},\, \neg e_{1,3}}$$

1229. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1230. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1231. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1232. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1233. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

1234. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$1235. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1$$

1236. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$1237. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$1238. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,5}, \neg e_{1,6}}, e$$

1239. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor e_{1,5} \lor \neg e_{1,6} \lor \neg e_{1,4}$$

$$1240. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1241. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$1242. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg e_{1,6} \lor e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1243. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_$$

1244. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1245. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1$$

1246. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1247. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

1248. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}}, \neg e_{1,6}, e_{1,6} \lor t_{\neg e_{1,2}}, e_{1,3} \vdash e_{1,5} \lor t_{\neg e_{1,2}}, e_{1,3} \lor \neg t_{e_{1,5}}, \neg e_{1,6}$$

$$1249. \ \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,4}$$

$$1250. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$1251. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$1252. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1$$

1253. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$1254. \ \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,5}, \neg$$

$$1255. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1256. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1$$

$$1257. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1258. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

$$1259. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1260. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{1,4}$$

$$1261. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1262. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1263. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor$$

$$1264. \ \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1265. \ \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$1266. \ \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$1267. \ \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$1268. \ \ e_{1,5} \lor \lnot e_{1,6} \lor \lnot t_{e_{1,5},\lnot e_{1,6}}, \lnot e_{1,5} \lor e_{2,5} \lor \lnot t_{\lnot e_{1,5},e_{2,5}} \vdash \lnot e_{1,6} \lor \lnot t_{e_{1,5},\lnot e_{1,6}} \lor \lnot t_{\lnot e_{1,5},e_{2,5}} \lor e_{2,5}$$

$$1269. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$1270. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}}$$

$$1271. \ e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,5} \vee t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,6} \vee t_{e_{1,5},\, \neg e_{2,5}} \vee \neg t_{e_{1,5},\, \neg e_{1,6}}$$

$$1272. \ e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,5} \vee t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,6} \vee t_{e_{1,5},\, \neg e_{2,5}} \vee \neg t_{e_{1,5},\, \neg e_{1,6}}$$

1273. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$1274. \ e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,5} \vee t_{e_{1,5},\, e_{2,5}} \vdash \neg e_{1,6} \vee t_{e_{1,5},\, e_{2,5}} \vee \neg t_{e_{1,5},\, \neg e_{1,6}}$$

$$1275. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$1276. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

1277. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$1278. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$1279. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$1280. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

1281. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$1282. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{$$

$$1283. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{$$

1284. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}}, \neg e_{1,6}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$1285. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$1286. \ \ e_{1,5} \lor \lnot e_{1,6} \lor \lnot t_{e_{1,5},\lnot e_{1,6}}, e_{1,6} \lor \lnot e_{2,6} \lor \lnot t_{e_{1,6},\lnot e_{2,6}} \vdash e_{1,5} \lor \lnot t_{e_{1,5},\lnot e_{1,6}} \lor \lnot t_{e_{1,6},\lnot e_{2,6}} \lor \lnot e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor \lnot e_{2,6} \lor e_{2,6} \lor$$

$$1287. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$1288. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$1289. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor e_{2,6}$$

$$1290. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor e_{2,6}$$

1291. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}}, \neg e_{1,6}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6},e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,6},e_{2,6}} \lor \neg t_{e_{1,5}}, \neg e_{1,6} \lor e_{2,6}$$

$$1292. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor e_{2,6}$$

1293. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1294. 
$$\neg e_{1,5} \lor t_{e_{1,2}}, \neg e_{1,3}, e_{1,5} \lor t_{e_{1,2}}, e_{1,3} \vdash t_{e_{1,2}}, e_{1,3} \lor t_{e_{1,2}}, \neg e_{1,3}$$

1295. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1296. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1297. \ \, \neg e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1298. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

1299. 
$$\neg e_{1,5} \lor t_{e_{1,2}}, \neg e_{1,3}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}}, e_{1,6} \vdash \neg t_{e_{1,5}}, e_{1,6} \lor e_{1,6} \lor t_{e_{1,2}}, \neg e_{1,3}$$

1300. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

1301. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1302. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1303. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1304. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1305. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1306. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1307. \ \, \neg e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1308. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1309. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1310. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1311. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1312. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1313. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1314. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1315. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1316. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1317. \ \, \neg e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1318. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1319. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1320. \ \, \neg e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1321. \ \, \neg e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \vdash \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1322. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1323. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1324. \ \, \neg e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \vdash \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1325. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1326. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1327. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1328. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1329. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1330. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

1331. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

1332. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1333. \ e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, e_{1,5} \lor \lnot e_{1,6} \lor \lnot t_{e_{1,5}, \lnot e_{1,6}} \vdash e_{1,5} \lor \lnot t_{e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

1334. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1335. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1336. \ e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor \lnot e_{1,6} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \vdash \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

1337. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1338. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1339. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1340. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1341. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1342. \ e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,6} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{1,6}, \lnot e_{2,6}} \vdash \lnot t_{\lnot e_{1,6}, \lnot e_{2,6}} \lor \lnot e_{2,6} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1343. \ e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,6} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{1,6}, \lnot e_{2,6}} \vdash \lnot t_{\lnot e_{1,6}, \lnot e_{2,6}} \lor \lnot e_{2,6} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

1344. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1345. \ e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,6} \lor e_{2,6} \lor \lnot t_{\lnot e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, \lnot e_{1,3}} \lor e_{2,6} \lor \lnot t_{\lnot e_{1,6}, e_{2,6}}$$

$$1346. \ e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,6} \lor e_{2,6} \lor \lnot t_{\lnot e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, \lnot e_{1,3}} \lor e_{2,6} \lor \lnot t_{\lnot e_{1,6}, e_{2,6}}$$

$$1347. \ e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,6} \lor e_{2,6} \lor \lnot t_{\lnot e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, \lnot e_{1,3}} \lor e_{2,6} \lor \lnot t_{\lnot e_{1,6}, e_{2,6}}$$

$$1348. \ e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,6} \lor e_{2,6} \lor \lnot t_{\lnot e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, \lnot e_{1,3}} \lor e_{2,6} \lor \lnot t_{\lnot e_{1,6}, e_{2,6}}$$

$$1349. \ e_{1,6} \lor t_{e_{1,2},\, \lnot e_{1,3}}, \lnot e_{1,6} \lor t_{e_{1,6},\, \lnot e_{2,6}} \vdash t_{e_{1,6},\, \lnot e_{2,6}} \lor t_{e_{1,2},\, \lnot e_{1,3}}$$

$$1350. \ e_{1,6} \vee t_{e_{1,2},\, \neg e_{1,3}}, \neg e_{1,6} \vee t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \vee t_{e_{1,2},\, \neg e_{1,3}}$$

1351. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1352. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1353. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1354. 
$$e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

1355. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1356. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1357. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1358. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}} \lor t_{e_{1,5}, \lnot e_{1,$$

$$1359. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1360. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, \lnot e_{1,6}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor t_{\lnot e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1361. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor t_{\lnot e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor t_{\lnot e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1362. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor t_{\lnot e_{1,2}, e_{1,3}} \lor t_{\lnot e_{1,5}, \lnot e_{1,6}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor t_{\lnot e_{1,2}, e_{1,3}} \lor t_{\lnot e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, \lnot e_{1,6}} \lor t_{\lnot$$

$$1363. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2},$$

$$1364. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor t_{\lnot e_{1,5}, e_{1,6}} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2},$$

$$1365. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1366. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1367. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1368. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1369. \ \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor e_{2,4} \lor \lnot t_{\lnot e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor \lnot t_{\lnot e_{1,4}, e_{2,4}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor e_{2,4}$$

$$1370. \ \ e_{1,4} \lor t_{e_{1,2}, \, \lnot e_{1,3}} \lor t_{e_{1,5}, \, \lnot e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\lnot e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,5}, \, \lnot e_{1,6}} \lor \neg t_{\lnot e_{1,4}, \, e_{2,4}} \lor t_{e_{1,2}, \, \lnot e_{1,3}} \lor e_{2,4}$$

$$1371. \ \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor e_{2,4} \lor \lnot t_{\lnot e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor \lnot t_{\lnot e_{1,4}, e_{2,4}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor e_{2,4}$$

$$1372. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor e_{2,4} \lor \lnot t_{\lnot e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor \lnot t_{\lnot e_{1,4}, e_{2,4}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor e_{2,4}$$

$$1373. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1374. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1375. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1376. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1377. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1378. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

1379. 
$$e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1380. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1381. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1382. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

$$1383. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

1384. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

$$1385. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

1386. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

$$1387. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1388. \ e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2},\, \neg e_{1,3}}, \neg e_{1,2} \vee t_{e_{1,2},\, e_{1,3}} \vdash \neg e_{1,3} \vee t_{e_{1,2},\, e_{1,3}} \vee \neg t_{e_{1,2},\, \neg e_{1,3}}$$

1389. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{1,5} \lor e_{1,2}$$

$$1390. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \lnot e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}} \vdash \neg e_{1,3} \lor e_{1,6} \lor e_{1,2}$$

$$1391. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,3} \lor t_{e_{1,5}, \neg e_{1,6}} \lor e_{1,4} \lor e_{1,2}$$

1392. 
$$e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \vee e_{1,5} \vee e_{1,2}$$

1393. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{1,6} \lor e_{1,2}$$

$$1394. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,4} \lor e_{1,2}$$

$$1395. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{1,5} \lor e_{1,2}$$

$$1396. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{1,6} \lor e_{1,2}$$

$$1397. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash \neg e_{1,3} \lor t_{e_{1,5}, e_{1,6}} \lor \neg e_{1,4} \lor e_{1,2}$$

1398. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor e_{1,5} \lor e_{1,2}$$

1399. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor e_{1,6} \lor e_{1,2}$$

$$1400. \ \ e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, \lnot e_{1,6}} \vdash \lnot e_{1,3} \lor t_{\lnot e_{1,5}, \lnot e_{1,6}} \lor \lnot e_{1,4} \lor e_{1,2}, \lnot e_{1,4} \lor e_{1,2}, \lnot e_{1,4} \lor e_{1,4} \lor e_{1,4}, \lnot e_{1,4},$$

$$1401. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg$$

$$1402. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1403. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_$$

$$1404. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1405. \ \ e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \vdash \lnot e_{1,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor \lnot t_{e_{1,2}, \lnot e_{1,3}} \lor \lnot$$

1406. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1407. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1$$

$$1408. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1409. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e$$

$$1410. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e$$

$$1411. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e$$

$$1412. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{$$

$$1413. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$1414. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$1415. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$1416. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$1417. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$1418. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$1419. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$1420. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$1421. \ e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,2} \vee t_{e_{1,2}, \, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, \, \neg e_{1,3}} \vee t_{e_{1,2}, \, e_{2,3}}$$

$$1422. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$1423. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$1424. \ e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,2} \vee t_{e_{1,2}, \, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, \, \neg e_{1,3}} \vee t_{e_{1,2}, \, e_{2,3}}$$

$$1425. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1426. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1427. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

1428. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1429. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1430. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1431. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1432. \ e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee e_{1,2}$$

$$1433. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1434. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1435. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1436. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1437. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1438. \ e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

$$1439. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1440. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1441. \ \, \neg e_{1,2} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1442. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1443. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1444. \ \, \neg e_{1,2} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1445. \ \, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$1446. \ \, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2$$

$$1447. \ \, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$1448. \ \, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2$$

1449. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1450. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1451. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1452. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1453. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1454. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1455. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1456. \ \, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1457. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1458. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1459. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1460. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1461. 
$$\neg e_{1,2} \lor t_{e_{1,2}}, \neg e_{1,3}, e_{1,2} \lor t_{\neg e_{1,2}}, e_{2,3} \vdash t_{\neg e_{1,2}}, e_{2,3} \lor t_{e_{1,2}}, \neg e_{1,3}$$

1462. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1463. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1464. 
$$\neg e_{1,2} \lor t_{e_{1,2}}, \neg e_{1,3}, e_{1,2} \lor t_{\neg e_{1,2}}, e_{2,3} \vdash t_{\neg e_{1,2}}, e_{2,3} \lor t_{e_{1,2}}, \neg e_{1,3}$$

1465. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1466. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1467. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1468. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1469. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1470. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1471. \ \, \neg e_{1,2} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1472. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1473. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1474. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1475. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1476. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1477. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{e_{1,2}, \lnot e_{1,3}} \vdash \lnot t_{e_{1,2}, \lnot e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1478. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{e_{1,2}, \lnot e_{1,3}} \vdash \lnot t_{e_{1,2}, \lnot e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1479. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{e_{1,2}, \lnot e_{1,3}} \vdash \lnot t_{e_{1,2}, \lnot e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1480. \ \ e_{1,3} \lor t_{e_{1,2}, \, \lnot e_{1,3}}, e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{e_{1,2}, \, \lnot e_{1,3}} \vdash \lnot t_{e_{1,2}, \, \lnot e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2}, \, \lnot e_{1,3}}$$

1481. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1482. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1483. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1484. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1485. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \vdash \lnot e_{1,2} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,$$

$$1486. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \vdash \lnot e_{1,2} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,$$

$$1487. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \vdash \lnot e_{1,2} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,$$

$$1488. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \vdash \lnot e_{1,2} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,$$

$$1489. \ \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor \lnot e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \vdash \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor \lnot e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

1490. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1491. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1492. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor \lnot e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \vdash \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor \lnot e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

1493. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1494. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1495. \ \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor e_{2,3} \lor \lnot t_{\lnot e_{1,3}, e_{2,3}} \vdash \lnot t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

1496. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1497. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1498. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1499. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1500. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1501. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1502. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

1503. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1504. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1505. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

1506. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}}$$

$$1507. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor$$

1508. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

1509. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

$$1510. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$1511. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor e_{1,6} \lor \neg e_{1,4} \lor e_{1,6} \lor \neg e_{1,4} \lor e_{1,6} \lor \neg e_{1,6$$

1512. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1513. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1514. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor e_{1,6} \lor e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1515. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor e_{1$$

$$1516. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1517. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor$$

$$1518. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1519. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

$$1520. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$1521. \ \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor e_{1,6} \lor e_{1,4}$$

$$1522. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$1523. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$1524. \ \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$1525. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$1526. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor e_{1$$

$$1527. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$1528. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor$$

$$1529. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

1530. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1531. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$1532. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg e_{1,5} \lor e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg e_{1,4}$$

$$1533. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$1534. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$1535. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$1536. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$1537. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

1538. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1539. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1540. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1541. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}}$$

$$1542. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{$$

$$1543. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}}$$

$$1544. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{$$

$$1545. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$1546. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$1547. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$1548. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$1549. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \lor$$

$$1550. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \lor$$

$$1551. \ \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor \neg t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor \neg e_{2,6}$$

$$1552. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \lor$$

$$1553. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}}$$

$$1554. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}}$$

$$1555. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e$$

$$1556. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}}$$

$$1557. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

1558. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, e_{1,6}}$$

$$1559. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$1560. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$1561. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,6},\, e_{2,6}}$$

1562. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{e_{1,6}, e_{2,6}}$$

1563. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{e_{1,6}, e_{2,6}}$$

$$1564. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,6},\, e_{2,6}}$$

1565. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1566. \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor \lnot e_{1,6} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \vdash \lnot e_{1,6} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

1567. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1568. \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor e_{1,6} \lor \lnot t_{\lnot e_{1,5}, e_{1,6}} \vdash \lnot t_{\lnot e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

1569. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

1570. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1571. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

1572. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1573. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1574. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1575. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1576. \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor \lnot e_{1,6} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \vdash \lnot e_{1,6} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

1577. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1578. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1579. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1580. \ \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor e_{1,6} \lor \lnot t_{\lnot e_{1,5}, \, e_{1,6}} \vdash \lnot t_{\lnot e_{1,5}, \, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1581. \ \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1582. \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1583. \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1584. \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1585. \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor e_{2,5} \lor \lnot t_{\lnot e_{1,5}, e_{2,5}} \vdash \lnot t_{\lnot e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1586. \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor e_{2,5} \lor \lnot t_{\lnot e_{1,5}, e_{2,5}} \vdash \lnot t_{\lnot e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1587. \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor e_{2,5} \lor \lnot t_{\lnot e_{1,5}, e_{2,5}} \vdash \lnot t_{\lnot e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1588. \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor e_{2,5} \lor \lnot t_{\lnot e_{1,5}, e_{2,5}} \vdash \lnot t_{\lnot e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

1589. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1590. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1591. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1592. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1593. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1594. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1595. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1596. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1597. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1598. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1599. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1600. \ \, \neg e_{1,6} \lor t_{e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1601. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

1602. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1603. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1604. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

1605. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1606. \ \, \neg e_{1,6} \lor t_{e_{1,2},\, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1607. \ \, \neg e_{1,6} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\, e_{1,6}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1608. 
$$\neg e_{1,6} \lor t_{e_{1,2}}, \neg e_{1,3}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1609. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1610. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1611. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1612. \ \, \neg e_{1,6} \lor t_{e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1613. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1614. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1615. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1616. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1617. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1618. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1619. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1620. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1621. \ \, \neg e_{1,6} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1622. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1623. \ \, \neg e_{1,6} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$1624. \ \, \neg e_{1,6} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1625. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{1,6}, e_{2,6}} \lor e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1626. \ \, \neg e_{1,6} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6},\, e_{2,6}} \vdash \neg t_{e_{1,6},\, e_{2,6}} \lor e_{2,6} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1627. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{1,6}, e_{2,6}} \lor e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1628. \ \, \neg e_{1,6} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6},\, e_{2,6}} \vdash \neg t_{e_{1,6},\, e_{2,6}} \lor e_{2,6} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1629. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1630. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1631. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{\lnot e_{1,5}, e_{1,6}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1632. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, \lnot e_{1,6}} \vdash t_{\lnot e_{1,5}, e_{1,6}} \lor t_{\lnot e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1633. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}}, \lnot e_{1,4} \lor t_{\lnot e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{\lnot e_{1,2}, e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,$$

$$1634. \ \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}}, \lnot e_{1,4} \lor t_{\lnot e_{1,2}, e_{1,3}} \lor t_{\lnot e_{1,5}, \lnot e_{1,6}} \vdash t_{\lnot e_{1,2}, e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}} \lor t_{\lnot e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1635. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}}, \lnot e_{1,4} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, \lnot e_{1,6}} \vdash t_{e_{1,5}, \lnot e_{1,6}} \lor t_{\lnot e_{1,5}, e_{1,6}} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2},$$

$$1636. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}}, \lnot e_{1,4} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}} \vdash t_{\lnot e_{1,5}, e_{1,6}} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1637. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}}, \lnot e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash \lnot e_{2,4} \lor t_{\lnot e_{1,5}, e_{1,6}} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,$$

$$1638. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}}, \lnot e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash \lnot e_{2,4} \lor t_{\lnot e_{1,5}, e_{1,6}} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1639. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}}, \lnot e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash \lnot e_{2,4} \lor t_{\lnot e_{1,5}, e_{1,6}} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1640. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}}, \lnot e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash \lnot e_{2,4} \lor t_{\lnot e_{1,5}, e_{1,6}} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1641. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, \, e_{1,6}}, \lnot e_{1,4} \lor e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \, e_{2,4}} \vdash t_{\lnot e_{1,5}, \, e_{1,6}} \lor \lnot t_{\lnot e_{1,4}, \, e_{2,4}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor e_{2,4}$$

$$1642. \ \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, \, e_{1,6}}, \lnot e_{1,4} \lor e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \, e_{2,4}} \vdash t_{\lnot e_{1,5}, \, e_{1,6}} \lor \lnot t_{\lnot e_{1,4}, \, e_{2,4}} \lor t_{e_{1,2}, \, \lnot e_{1,3}} \lor e_{2,4}$$

$$1643. \ \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, \, e_{1,6}}, \lnot e_{1,4} \lor e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \, e_{2,4}} \vdash t_{\lnot e_{1,5}, \, e_{1,6}} \lor \lnot t_{\lnot e_{1,4}, \, e_{2,4}} \lor t_{e_{1,2}, \, \lnot e_{1,3}} \lor e_{2,4}$$

$$1644. \ \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}}, \lnot e_{1,4} \lor e_{2,4} \lor \lnot t_{\lnot e_{1,4}, e_{2,4}} \vdash t_{\lnot e_{1,5}, e_{1,6}} \lor \lnot t_{\lnot e_{1,4}, e_{2,4}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor e_{2,4}$$

$$1645. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1646. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, \, e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,4}, \, \lnot e_{2,4}} \vdash t_{e_{1,4}, \, \lnot e_{2,4}} \lor t_{\lnot e_{1,5}, \, e_{1,6}} \lor t_{e_{1,2}, \, \lnot e_{1,3}}$$

$$1647. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1648. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, \, e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,4}, \, \lnot e_{2,4}} \vdash t_{e_{1,4}, \, \lnot e_{2,4}} \lor t_{\lnot e_{1,5}, \, e_{1,6}} \lor t_{e_{1,2}, \, \lnot e_{1,3}}$$

1649. 
$$e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1650. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\lnot e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1651. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\lnot e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1652. \ e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, \, e_{1,6}}, \lnot e_{1,4} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\lnot e_{1,5}, \, e_{1,6}} \lor t_{e_{1,2}, \, \lnot e_{1,3}}$$

$$1653. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

1654. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

$$1655. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1656. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

$$1657. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1658. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \, e_{1,3}} \vdash \neg e_{1,3} \lor t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}}$$

$$1659. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1660. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \, e_{1,3}} \vdash \neg e_{1,3} \lor t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}}$$

$$1661. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \lnot e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{1,5} \lor e_{1,2}$$

1662. 
$$e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \vee e_{1,6} \vee e_{1,2}$$

$$1663. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,3} \lor t_{e_{1,5}, \neg e_{1,6}} \lor e_{1,4} \lor e_{1,2}$$

$$1664. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,3} \lor e_{1,5} \lor e_{1,2}$$

$$1665. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{1,6} \lor e_{1,2}$$

$$1666. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,4} \lor e_{1,2}$$

$$1667. \ e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \vee \neg e_{1,5} \vee e_{1,2}$$

1668. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{1,6} \lor e_{1,2}$$

$$1669. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash \neg e_{1,3} \lor t_{e_{1,5}, e_{1,6}} \lor \neg e_{1,4} \lor e_{1,2}$$

$$1670. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,3} \lor e_{1,5} \lor e_{1,2}$$

$$1671. \ e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,6} \vee t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,3} \vee e_{1,6} \vee e_{1,2}$$

$$1672. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{1,4} \lor e_{1,2}$$

$$1673. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_$$

$$1674. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1675. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg$$

$$1676. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1677. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_$$

$$1678. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1679. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_$$

$$1680. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1681. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3} \lor \neg e_{2,4} \lor \neg e_{$$

$$1682. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{$$

$$1683. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{$$

$$1684. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,4} \lor \neg e_{$$

$$1685. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$1686. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$1687. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$1688. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$1689. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

1690. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$1691. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$1692. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{2,3}}$$

$$1693. \ e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2},\, \neg e_{1,3}}, \neg e_{1,2} \vee t_{e_{1,2},\, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2},\, \neg e_{1,3}} \vee t_{e_{1,2},\, e_{2,3}}$$

$$1694. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$1695. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$1696. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$1697. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1698. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1699. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

1700. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1701. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1702. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1703. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1704. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1705. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1706. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1707. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1708. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1709. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1710. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1711. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1712. \ e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{2,3} \vee e_{1,2}$$

1713. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1714. \ \, \neg e_{1,2} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1715. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1716. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1717. \ \, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1718. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1719. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1720. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1721. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1722. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1723. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1724. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1725. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1726. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1727. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1728. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1729. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1730. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1731. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1732. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1733. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1734. 
$$\neg e_{1,2} \lor t_{e_{1,2}}, \neg e_{1,3}, e_{1,2} \lor t_{\neg e_{1,2}}, e_{2,3} \vdash t_{\neg e_{1,2}}, e_{2,3} \lor t_{e_{1,2}}, \neg e_{1,3}$$

1735. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1736. 
$$\neg e_{1,2} \lor t_{e_{1,2}}, \neg e_{1,3}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1737. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1738. \ \, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor \neg e_{2,3} \lor \neg e_{2,3}$$

$$1739. \ \, \neg e_{1,2} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1740. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1741. \ \, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, \, e_{2,3}} \vdash \neg t_{e_{1,2}, \, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1742. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1743. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1744. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1745. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1746. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1747. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1748. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1749. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{e_{1,2}, \lnot e_{1,3}} \vdash \lnot t_{e_{1,2}, \lnot e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1750. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{e_{1,2}, \lnot e_{1,3}} \vdash \lnot t_{e_{1,2}, \lnot e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1751. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{e_{1,2}, \lnot e_{1,3}} \vdash \lnot t_{e_{1,2}, \lnot e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor e_{1,3} \lor e_{1,4} \lor e_{1,4}, e_{1,4} \lor e_{1,4},$$

$$1752. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{e_{1,2}, \lnot e_{1,3}} \vdash \lnot t_{e_{1,2}, \lnot e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

1753. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1754. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1755. \ e_{1,3} \lor t_{e_{1,2}, \, \lnot e_{1,3}}, \lnot e_{1,3} \lor t_{\lnot e_{1,2}, \, e_{1,3}} \vdash t_{\lnot e_{1,2}, \, e_{1,3}} \lor t_{e_{1,2}, \, \lnot e_{1,3}}$$

$$1756. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor t_{\lnot e_{1,2}, e_{1,3}} \vdash t_{\lnot e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$1757. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \vdash \lnot e_{1,2} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,$$

$$1758. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \vdash \lnot e_{1,2} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,$$

1759. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1760. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \vdash \lnot e_{1,2} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,$$

1761. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1762. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1763. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1764. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1765. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor e_{2,3} \lor \lnot t_{\lnot e_{1,3}, e_{2,3}} \vdash \lnot t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{2,3} \lor e_{2,3} \lor e_{2,3}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{2,3} \lor e_{2,3}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e$$

1766. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1767. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1768. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor e_{2,3} \lor \lnot t_{\lnot e_{1,3}, e_{2,3}} \vdash \lnot t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

1769. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1770. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1771. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1772. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1773. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1774. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1775. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1776. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1777. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2},\,e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

$$1778. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}} \vdash e_{1,5} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,e_{1,6}}$$

1779. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \lor e_{1,6} \lor e_{1,4}$$

$$1780. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \lor \neg t_{e_{1,5},\,\neg e_$$

$$1781. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2},\,e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

$$1782. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor e$$

$$1783. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}} \vdash e_{1,5} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,e_{1,6}}$$

$$1784. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,5},\,\neg e_{1,6}}$$

1785. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1786. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

$$1787. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$1788. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

1789. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1790. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash e_{1,5} \lor e_{1,6} \lor \neg e_{1,4} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$1791. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,5},\,\neg e_{1,6}}$$

$$1792. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

$$1793. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

$$1794. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,e_{1,6}}$$

$$1795. \ \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

1796. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}}$$

$$1797. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,6} \lor \neg e_{1,4} \lor e_{1,6} \lor \neg e_{1,4} \lor e_{1,5}, e_{1,6} \lor \neg e_{1,5} \lor e_{1,6} \lor \neg e_{1,5} \lor e_{1,6} \lor \neg e_{1,$$

$$1798. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

1799. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1800. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash e_{1,5} \lor e_{1,6} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{1,4}$$

$$1801. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,5},\,\neg e_{1,6}}$$

$$1802. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

$$1803. \ \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, \, e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash \neg t_{e_{1,5}, \, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6} \lor e$$

$$1804. \ \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

$$1805. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{\neg$$

$$1806. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{\neg$$

$$1807. \ \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$1808. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}}$$

$$1809. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$1810. \ \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, \, e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg t_{e_{1,5}, \, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$1811. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$1812. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

1813. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

1814. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

$$1815. \ \ e_{1,5} \lor e_{1,6} \lor \lnot t_{e_{1,5},\, e_{1,6}}, \lnot e_{1,5} \lor t_{e_{1,5},\, \lnot e_{2,5}} \vdash t_{e_{1,5},\, \lnot e_{2,5}} \lor \lnot t_{e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$1816. \ \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, \, e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \, e_{1,6}} \lor e_{1,6}$$

1817. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,5}, e_{2,5}} \lor e_{1,6}$$

1818. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,5}, e_{2,5}} \lor e_{1,6}$$

$$1819. \ \ e_{1,5} \lor e_{1,6} \lor \lnot t_{e_{1,5},\,e_{1,6}}, \lnot e_{1,5} \lor t_{e_{1,5},\,e_{2,5}} \vdash \lnot t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,5},\,e_{2,5}} \lor e_{1,6}$$

1820. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,5}, e_{2,5}} \lor e_{1,6}$$

$$1821. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$1822. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$1823. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$1824. \ \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6} \lor \neg$$

$$1825. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}}$$

$$1826. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \lor \neg t_{\neg e$$

$$1827. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}}$$

$$1828. \ \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \lor \neg t_{\neg$$

$$1829. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,6},\,\neg e_{2,6}}$$

$$1830. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,6},\,\neg e_{2,6}}$$

1831. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

1832. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

1833. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,6}, e_{2,6}}$$

1834. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,6}, e_{2,6}}$$

1835. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,6}, e_{2,6}}$$

$$1836. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,6},\,e_{2,6}}$$

1837. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1838. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1839. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1840. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1841. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1842. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

1843. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1844. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

1845. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1846. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1847. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1848. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1849. \ \, \neg e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1850. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1851. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1852. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1853. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1854. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1855. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1856. \ \, \neg e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1857. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1858. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1859. \ \, \neg e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1860. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1861. \ \, \neg e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1862. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1863. \ \, \neg e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1864. \ \, \neg e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1865. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1866. 
$$\neg e_{1,5} \lor t_{e_{1,2}}, \neg e_{1,3}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}}, e_{2,5} \vdash \neg t_{e_{1,5}}, e_{2,5} \lor e_{2,5} \lor t_{e_{1,2}}, \neg e_{1,3}$$

1867. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1868. 
$$\neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1869. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1870. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1871. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1872. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1873. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

1874. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1875. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1876. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

1877. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1878. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1879. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1880. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1881. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1882. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1883. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1884. \ \, \neg e_{1,6} \lor t_{e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1885. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1886. \ \, \neg e_{1,6} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1887. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1888. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1889. \ \, \neg e_{1,6} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1890. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1891. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1892. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1893. \ \, \neg e_{1,6} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1894. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1895. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1896. \ \, \neg e_{1,6} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor \neg e_{2,6} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1897. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{1,6}, e_{2,6}} \lor e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1898. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{1,6}, e_{2,6}} \lor e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1899. 
$$\neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{1,6}, e_{2,6}} \lor e_{2,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1900. \ \, \neg e_{1,6} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6},\, e_{2,6}} \vdash \neg t_{e_{1,6},\, e_{2,6}} \lor e_{2,6} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1901. 
$$\neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor e_{1,6} \lor \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1902. \ \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1903. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{e_{1,5}, \, e_{1,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{e_{1,5}, \, e_{1,6}$$

$$1904. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{e_{1,5}, \, e_{1,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$1905. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}} \vdash t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{e_{1,5}, \, e_{1,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$1906. \ \, \neg e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash e_{1,5} \lor e_{1,6} \lor \neg e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1907. \ \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1908. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{e_{1,5}, \, e_{1,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,3}, \, e_{1,4}} \lor t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{\neg e_{1,5}, \, e_$$

$$1909. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, \, e_{1,6}} \vdash e_{1,5} \lor e_{1,6} \lor \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$1910. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, \, e_{1,6}} \vdash e_{1,5} \lor e_{1,6} \lor \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1911. 
$$\neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1912. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,$$

$$1913. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,5}, \, e_{1,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1914. 
$$\neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1915. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1916. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,5}, \, e_{1,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1917. 
$$\neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1918. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{1,5}, \, e_{1,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1919. 
$$\neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1920. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1921. \ \, \neg e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{e_{1,5},\, e_{1,6}} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1922. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{e_{1,5}, \, e_{1,6}} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$1923. \ \, \neg e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{e_{1,5},\, e_{1,6}} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$1924. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1925. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4} \lor e_{2$$

$$1926. \ \neg e_{1,4} \lor t_{e_{1,2}}, \neg e_{1,3} \lor t_{e_{1,5}}, e_{1,6}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}}, e_{2,4} \vdash t_{e_{1,2}}, \neg e_{1,3} \lor t_{e_{1,5}}, e_{1,6} \lor \neg t_{e_{1,4}}, e_{2,4} \lor e_{2,4}$$

$$1927. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4} \lor e_{2$$

$$1928. \ \, \neg e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor$$

$$1929. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1930. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

$$1931. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

1932. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

$$1933. \ e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee e_{1,3} \vee \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee e_{1,2}$$

$$1934. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

$$1935. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1936. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

1937. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{1,5} \lor e_{1,2}$$

1938. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor e_{1,6} \lor e_{1,2}$$

$$1939. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,3} \lor t_{e_{1,5}, \neg e_{1,6}} \lor e_{1,4} \lor e_{1,2}$$

1940. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor e_{1,5} \lor e_{1,2}$$

1941. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{1,6} \lor e_{1,2}$$

$$1942. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,4} \lor e_{1,2}$$

1943. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{1,5} \lor e_{1,2}$$

1944. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{1,6} \lor e_{1,2}$$

$$1945. \ \ e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash \lnot e_{1,3} \lor t_{e_{1,5}, e_{1,6}} \lor \lnot e_{1,4} \lor e_{1,2}$$

1946. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor e_{1,5} \lor e_{1,2}$$

1947. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor e_{1,6} \lor e_{1,2}$$

$$1948. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{1,4} \lor e_{1,2}$$

$$1949. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_$$

$$1950. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1951. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_$$

1952. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1953. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_$$

$$1954. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1955. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg$$

$$1956. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1957. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e$$

$$1958. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3} \lor \neg e_{2,4} \lor \neg e_{2,$$

$$1959. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{$$

$$1960. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{$$

$$1961. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$1962. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$1963. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$1964. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$1965. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$1966. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$1967. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$1968. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$1969. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$1970. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$1971. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$1972. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

1973. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1974. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1975. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1976. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1977. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1978. \ e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee e_{1,2}$$

$$1979. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

1980. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$1981. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1982. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1983. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1984. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1985. \ \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1986. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1987. 
$$e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1988. \ e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

1989. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1990. \ \, \neg e_{1,2} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

1991. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1992. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1993. \ \, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

1994. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1995. \ \, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$1996. \ \, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2$$

1997. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1998. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1999. 
$$\neg e_{1,2} \lor t_{e_{1,2}}, \neg e_{1,3}, e_{1,2} \lor t_{\neg e_{1,2}}, e_{1,3} \vdash t_{\neg e_{1,2}}, e_{1,3} \lor t_{e_{1,2}}, \neg e_{1,3}$$

2000. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2001. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2002. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2003. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2004. 
$$\neg e_{1,2} \lor t_{e_{1,2}}, \neg e_{1,3}, e_{1,2} \lor t_{\neg e_{1,2}}, \neg e_{1,3} \vdash t_{\neg e_{1,2}}, \neg e_{1,3} \lor t_{e_{1,2}}, \neg e_{1,3}$$

2005. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2006. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2007. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2008. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2009. 
$$\neg e_{1,2} \lor t_{e_{1,2}}, \neg e_{1,3}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2010. 
$$\neg e_{1,2} \lor t_{e_{1,2}}, \neg e_{1,3}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2011. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2012. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2013. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2014. \ \, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2015. \ \, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

2016. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2017. 
$$\neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2018. \ \, \neg e_{1,2} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2019. \ \, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, \, e_{2,3}} \vdash \neg t_{e_{1,2}, \, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$2020. \ \, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, \, e_{2,3}} \vdash \neg t_{e_{1,2}, \, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

2021. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2022. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2023. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2024. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2025. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{e_{1,2}, \lnot e_{1,3}} \vdash \lnot t_{e_{1,2}, \lnot e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$2026. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{e_{1,2}, \lnot e_{1,3}} \vdash \lnot t_{e_{1,2}, \lnot e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$2027. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{e_{1,2}, \lnot e_{1,3}} \vdash \lnot t_{e_{1,2}, \lnot e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

2028. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2029. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2030. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2031. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2032. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2033. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \vdash \lnot e_{1,2} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,$$

2034. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2035. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \vdash \lnot e_{1,2} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,$$

$$2036. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor \lnot e_{1,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \vdash \lnot e_{1,2} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

2037. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2038. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor \lnot e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \vdash \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor \lnot e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$2039. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor \lnot e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \vdash \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor \lnot e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{2,3} \lor t_{e_{2,3}, \lnot e_{2,3}} \lor \lnot e_{2,3} \lor t_{e_{2,3}, \lnot e_{2,3}}, \lnot e_{2,3} \lor t_{e_{2,3}, \lnot e_{2,3}} \lor \lnot e_{2,3} \lor t_{e_{2,3}, \lnot e_{2,3}}, \lnot e_{2,3}$$

2040. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2041. \ e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2042. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor e_{2,3} \lor \lnot t_{\lnot e_{1,3}, e_{2,3}} \vdash \lnot t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \\ + \neg t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e$$

$$2043. \ e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2044. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor e_{2,3} \lor \lnot t_{\lnot e_{1,3}, e_{2,3}} \vdash \lnot t_{\lnot e_{1,3}, e_{2,3}} \lor e_{2,3} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

2045. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2046. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2047. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2048. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2049. 
$$e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2050. \ e_{1,3} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$2051. \ e_{1,3} \lor t_{e_{1,2},\, \lnot e_{1,3}}, \lnot e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,2},\, \lnot e_{1,3}}$$

$$2052. \ e_{1,3} \lor t_{e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$2053. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, \, e_{1,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,6}, \, \neg e_{1,6}}, e_{1,6}$$

$$2054. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{1,$$

$$2055. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,6} \lor \neg e_{1,5} \lor e_{1,4}$$

$$2056. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg e_{1,6}$$

$$2057. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$2058. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,6} \lor \neg t_{\neg e_{1,6}, \neg e_{1,6}}, \neg e_{1,6} \lor \neg t_{\neg e_{1,6$$

$$2059. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5$$

$$2060. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg e_{1,6}$$

$$2061. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2062. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,6} \lor \neg t_{\neg e_{1,6}, \neg e_{1,6}}, \neg e_{1,6} \lor \neg t_{\neg e_{1,6$$

$$2063. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2064. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2065. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2066. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg e_{1,5} \lor \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2067. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1$$

$$2068. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_$$

$$2069. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,6} \lor \neg t_{\neg e_{1,6}, \neg e_{1,6}}, \neg e_{1,6} \lor \neg t_{\neg e_{1,6$$

$$2070. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{1,5} \lor \neg e_{1,6} \lor e_{$$

$$2071. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5$$

$$2072. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg$$

$$2073. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg e_{1,4} \lor t_{\neg e_{1,4}, e_{1,4}} \lor \neg e_{1,4} \lor \neg e_{1,4} \lor t_{\neg e_{1,4}, e_{1,4}} \lor \neg e_{1,4} \lor \neg e_{1,4} \lor \tau_{\neg e_{1,4}, e_{1,4}} \lor \neg e_{1,4} \lor$$

$$2074. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{1,6}$$

$$2075. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_$$

$$2076. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,4}$$

$$2077. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}$$

$$2078. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,4}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,4}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,4}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,4}}, e_{1,6} \lor t_{\neg e_{1,4}, \neg e_{1,4}},$$

$$2079. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,6} \lor \neg t_{\neg e_{1,5},$$

$$2080. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,5}}, e_{1,5} \lor \neg t_{\neg e_{1,5}$$

$$2081. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1$$

$$2082. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{1,6}$$

$$2083. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,5}}, e_{1,5} \lor \neg t_{$$

$$2084. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{1,6}$$

$$2085. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2086. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2087. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2088. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2089. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor$$

$$2090. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$2091. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e$$

$$2092. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$2093. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$2094. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor e$$

$$2095. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,5}}, e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,5}}, e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,5}}, e_$$

$$2096. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,5}}, e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,5}}, e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,5}},$$

$$2097. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$2098. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$2099. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$2100. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$2101. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{1,6} \lor$$

$$2102. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{1,6} \lor$$

$$2103. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{1,6} \lor$$

$$2104. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{1,6} \lor$$

$$2105. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$2106. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$2107. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$2108. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$2109. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,6} \vee e_{2,6} \vee \neg t_{e_{1,6}, \, e_{2,6}} \vdash \neg e_{1,5} \vee \neg t_{e_{1,6}, \, e_{2,6}} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee e_{2,6}$$

$$2110. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{2,6}$$

$$2111. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{2,6}$$

$$2112. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{2,6}$$

2113. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2114. \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor \lnot e_{1,6} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \vdash \lnot e_{1,6} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

2115. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2116. \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor e_{1,6} \lor \lnot t_{\lnot e_{1,5}, e_{1,6}} \vdash \lnot t_{\lnot e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

2117. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

2118. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2119. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

$$2120. \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor \lnot e_{1,6} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \vdash \lnot e_{1,6} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

2121. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2122. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2123. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2124. \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor \lnot e_{1,6} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \vdash \lnot e_{1,6} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

2125. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2126. \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor \lnot e_{1,6} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \vdash \lnot e_{1,6} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

2127. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2128. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2129. \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$2130. \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$2131. \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

2132. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2133. \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor e_{2,5} \lor \lnot t_{\lnot e_{1,5}, e_{2,5}} \vdash \lnot t_{\lnot e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$2134. \ e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \, e_{2,5}} \vdash \lnot t_{\lnot e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

2135. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2136. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2137. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2138. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2139. \ e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

2140. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2141. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2142. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2143. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2144. 
$$e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2145. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2146. \ e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor \lnot e_{1,6} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \vdash \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$2147. \ e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, e_{1,5} \lor \lnot e_{1,6} \lor \lnot t_{e_{1,5}, \lnot e_{1,6}} \vdash e_{1,5} \lor \lnot t_{e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

2148. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2149. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2150. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

2151. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}}$$

$$2152. \ e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor \lnot e_{1,6} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \vdash \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$2153. \ e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, e_{1,5} \lor \lnot e_{1,6} \lor \lnot t_{e_{1,5}, \lnot e_{1,6}} \vdash e_{1,5} \lor \lnot t_{e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

2154. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2155. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2156. \ e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor \lnot e_{1,6} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \vdash \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

2157. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2158. \ e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor \lnot e_{1,6} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \vdash \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{1,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

2159. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2160. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2161. \ e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,6} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{1,6}, \lnot e_{2,6}} \vdash \lnot t_{\lnot e_{1,6}, \lnot e_{2,6}} \lor \lnot e_{2,6} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$2162. \ e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,6} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{1,6}, \lnot e_{2,6}} \vdash \lnot t_{\lnot e_{1,6}, \lnot e_{2,6}} \lor \lnot e_{2,6} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$2163. \ e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,6} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{1,6}, \lnot e_{2,6}} \vdash \lnot t_{\lnot e_{1,6}, \lnot e_{2,6}} \lor \lnot e_{2,6} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$2164. \ e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,6} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{1,6}, \lnot e_{2,6}} \vdash \lnot t_{\lnot e_{1,6}, \lnot e_{2,6}} \lor \lnot e_{2,6} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$2165. \ \ e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,6} \lor e_{2,6} \lor \lnot t_{\lnot e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, \lnot e_{1,3}} \lor e_{2,6} \lor \lnot t_{\lnot e_{1,6}, e_{2,6}}$$

$$2166. \ e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,6} \lor e_{2,6} \lor \lnot t_{\lnot e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, \lnot e_{1,3}} \lor e_{2,6} \lor \lnot t_{\lnot e_{1,6}, e_{2,6}}$$

2167. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

2168. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

$$2169. \ e_{1,6} \lor t_{e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,6} \lor t_{e_{1,6}, \lnot e_{2,6}} \vdash t_{e_{1,6}, \lnot e_{2,6}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

2170. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2171. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2172. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2173. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2174. \ e_{1,6} \lor t_{e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, \, e_{2,6}} \vdash t_{e_{1,6}, \, e_{2,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

2175. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2176. 
$$e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2177. \ \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2178. \ \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2179. \ \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2180. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,3}, e_{1,4}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,5}, e_{1,6}}$$

$$2181. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor$$

$$2182. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{1,6}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg$$

$$2183. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,3}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor$$

$$2184. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$2185. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$2186. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2187. \ \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2188. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e$$

$$2189. \ \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2190. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2191. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$2192. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$2193. \ \, \neg e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,4} \lor e_{1,4}, e_{1,4} \lor e_{1,4} \lor e_{1,4}, e_{1,4} \lor e_{1,4}, e_{1,4} \lor e_{1,4}, e_{1,4} \lor e_{1,4} \lor e_{1,4} \lor$$

$$2194. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2195. \ \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2196. \ \, \neg e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2197. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4} \lor e_{2,4$$

$$2198. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4} \lor e_{2,4$$

$$2199. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4} \lor e_{2,4}$$

$$2200. \ \, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4} \lor e_{2,4$$

$$2201. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

2202. 
$$\neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$2203. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2204. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2205. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2206. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2207. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2208. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2209. \ \, \neg e_{1,2} \vee e_{1,3} \vee \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \vee t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \vee \neg e_{1,5} \vee e_{1,3}$$

$$2210. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,6} \lor e_{1,3}$$

$$2211. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,2} \lor t_{e_{1,5},\, \neg e_{1,6}} \lor e_{1,3} \lor e_{1,4} \lor e_{1,4} \lor e_{1,5}, \neg e_{1,6} \lor e_{1,6}, \neg e_{1,6} \lor e_{1,6$$

$$2212. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,5} \lor e_{1,3}$$

$$2213. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,6} \lor e_{1,3}$$

$$2214. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,3} \lor e_{1,4}$$

2215. 
$$\neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,5} \lor e_{1,3}$$

$$2216. \ \, \neg e_{1,2} \vee e_{1,3} \vee \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,6} \vee t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \vee \neg e_{1,6} \vee e_{1,3}$$

$$2217. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \vdash \neg e_{1,2} \lor \neg e_{1,4} \lor t_{e_{1,5}, \, e_{1,6}} \lor e_{1,3}$$

2218. 
$$\neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,5} \lor e_{1,3}$$

2219. 
$$\neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,6} \lor e_{1,3}$$

$$2220. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,2} \lor \neg e_{1,4} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,3}$$

$$2221. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,$$

$$2222. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2223. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,$$

$$2224. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2225. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_$$

$$2226. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2227. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,$$

$$2228. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2229. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2230. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2231. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2232. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2233. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2234. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2235. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2236. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2237. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2238. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2239. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2240. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2241. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, \, e_{2,3}} \vdash \neg t_{e_{1,2}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2242. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2243. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2244. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2245. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{2,3} \lor \neg e_{2,4} \lor \neg$$

$$2246. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{2,3} \lor \neg e_{2,4} \lor \neg$$

$$2247. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{2,3} \lor \neg e_{2,4} \lor \neg$$

$$2248. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{2,3} \lor \neg e_{2,4} \lor \neg$$

$$2249. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$2250. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$2251. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$2252. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$2253. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2254. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2255. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2256. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2257. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}}$$

$$2258. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2259. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2260. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

2261. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2262. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2263. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

2264. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2265. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2266. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2267. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2268. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2269. \ \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2270. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2271. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2272. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2273. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

$$2274. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

$$2275. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

$$2276. \ e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{$$

2277. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$2278. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg$$

$$2279. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg$$

$$2280. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t$$

$$2281. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

2282. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

2283. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

$$2284. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

2285. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2286. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2287. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2288. \ e_{1,2} \lor t_{\lnot e_{1,2},\, e_{1,3}}, \lnot e_{1,2} \lor t_{e_{1,2},\, \lnot e_{2,3}} \vdash t_{e_{1,2},\, \lnot e_{2,3}} \lor t_{\lnot e_{1,2},\, e_{1,3}}$$

2289. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

2290. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$2291. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}}$$

2292. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$2293. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, e_{1,3}} \lor e_{1,2}$$

2294. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2}$$

2295. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2}$$

$$2296. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, e_{1,3}} \lor e_{1,2}$$

$$2297. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

2298. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2299. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2300. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2301. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$2302. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

2303. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

2304. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

2305. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2306. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

2307. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2308. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2309. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2310. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2311. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2312. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2313. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

2314. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$2315. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}}$$

2316. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$2317. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e$$

$$2318. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_$$

$$2319. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}}$$

$$2320. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}}$$

$$2321. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, e_{2,3}} \lor e_{2,3}$$

$$2322. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, e_{2,3}} \lor e_{2,3}$$

$$2323. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, e_{2,3}} \lor e_{2,3}$$

$$2324. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, e_{2,3}} \lor e_{2,3}$$

$$2325. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_$$

$$2326. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$2327. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1$$

$$2328. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{1,6$$

$$2329. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

2330. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}}, \neg e_{1,6}, e_{1,6} \lor t_{e_{1,2}}, e_{1,3} \vdash e_{1,5} \lor t_{e_{1,2}}, e_{1,3} \lor \neg t_{e_{1,5}}, \neg e_{1,6}$$

$$2331. \ e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \vee t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{1,5} \vee \neg e_{1,6} \vee$$

$$2332. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2333. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2334. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg e_{1,6} \lor e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2335. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_$$

2336. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}}, \neg e_{1,6}, \neg e_{1,5} \lor t_{e_{1,2}}, \neg e_{1,3} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}}, \neg e_{1,6} \lor t_{e_{1,2}}, \neg e_{1,3}$$

$$2337. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1$$

$$2338. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2339. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$2340. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$2341. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,4}$$

$$2342. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_$$

$$2343. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$2344. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1$$

$$2345. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{1,6}} \lor t_{\neg e_{1,6}, e_{1,6}$$

$$2346. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_$$

$$2347. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$2348. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1$$

$$2349. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$2350. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$2351. \ e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5},\, \neg e_{1,6}}, e_{1,6} \vee t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash e_{1,5} \vee \neg t_{e_{1,5},\, \neg e_{1,6}} \vee t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$2352. \ e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5}, \, \neg e_{1,6}}, \neg e_{1,4} \vee t_{\neg e_{1,2}, \, \neg e_{1,3}} \vee t_{e_{1,5}, \, \neg e_{1,6}} \vdash e_{1,5} \vee \neg e_{1,6} \vee t_{\neg e_{1,2}, \, \neg e_{1,3}} \vee \neg e_{1,4} \vee t_{\neg e_{1,2}, \, \neg e_{1,3}} \vee \neg e_{1,4} \vee t_{\neg e_{1,2}, \, \neg e_{1,3}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \, \neg e_{1,4}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \, \neg e_{1,4}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \, \neg e_{1,4}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \, \neg e_{1,4}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \, \neg e_{1,4}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \, \neg e_{1,4}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \, \neg e_{1,4}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \, \neg e_{1,4}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \, \neg e_{1,4}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \, \neg e_{1,4}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \, \neg e_{1,4}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \, \neg e_{1,4}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \, \neg e_{1,4}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \, \neg e_{1,4}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \, \neg e_{1,4}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \, \neg e_{1,4}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \, \neg e_{1,4}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \, \neg e_{1,4}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \, \neg e_{1,4}} \vee \neg e_{1,4} \vee \tau_{e_{1,4}, \, \neg e_{1,4}} \vee \neg e_{1,4} \vee \neg e_{1,4} \vee \tau_{e_{1,4}, \, \neg e_{1,4}} \vee \neg e_{1,4} \vee \neg e_{1,4}$$

$$2353. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2354. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2355. \ \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg e_{$$

$$2356. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2357. \ \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$2358. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$2359. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$2360. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$2361. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$2362. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$2363. \ e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,5} \vee t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,6} \vee t_{e_{1,5},\, \neg e_{2,5}} \vee \neg t_{e_{1,5},\, \neg e_{1,6}}$$

$$2364. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$2365. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$2366. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$2367. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5},\,e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{1,5},\,\neg e_{1,6}}$$

$$2368. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$2369. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$2370. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$2371. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$2372. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$2373. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{$$

$$2374. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{$$

$$2375. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{$$

$$2376. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{$$

$$2377. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$2378. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$2379. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$2380. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$2381. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor e_{2,6}$$

$$2382. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor e_{2,6}$$

$$2383. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor e_{2,6}$$

$$2384. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor e_{2,6}$$

2385. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

2386. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2387. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{1,6}}$$

$$2388. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

$$2389. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{1,6}}$$

2390. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2391. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

$$2392. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2393. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{1,6}}$$

2394. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

$$2395. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\,e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

2396. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}}$$

2397. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

2398. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2399. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{1,6}}$$

$$2400. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

2401. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2402. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2403. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2404. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$2405. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2406. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2407. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2408. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2409. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$2410. \ \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

2411. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

2412. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

2413. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5}$$

2414. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5}$$

2415. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$2416. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

2417. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2418. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$2419. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{1,6}}$$

2420. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2421. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

2422. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2423. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2424. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}}$$

$$2425. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{1,6}}$$

2426. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

2427. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

2428. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

2429. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$2430. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}}$$

$$2431. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{1,6}}$$

$$2432. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$2433. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,$$

$$2434. \ e_{1,6} \lor t_{\neg e_{1,2}, \, e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor \neg e_{2,6}$$

$$2435. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,$$

$$2436. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6}$$

2437. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

$$2438. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}}$$

$$2439. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}}$$

$$2440. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}}$$

2441. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2442. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2443. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

$$2444. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

2445. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2446. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash t_{e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

2447. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2448. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2449. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_$$

$$2450. \ \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,5},\, e_{1,6}} \lor t_{e_{1,5$$

$$2451. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg e_$$

$$2452. \ \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1$$

$$2453. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e$$

$$2454. \ \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}$$

$$2455. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$2456. \ \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1$$

$$2457. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$2458. \ \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, e_{1,5}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{2,4} \lor$$

$$2459. \ \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, e_{1,5}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{2,4} \lor \neg e_{2,4}$$

$$2460. \ \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, e_{1,5}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{2,4} \lor \neg e_{2,4}$$

$$2461. \ \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_{$$

$$2462. \ \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_{$$

$$2463. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_{2,$$

$$2464. \ \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_{$$

$$2465. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

$$2466. \ e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2467. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

$$2468. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

$$2469. \ e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,2}, \, e_{1,3}}$$

$$2470. \ e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,2}, \, e_{1,3}}$$

$$2471. \ e_{1,4} \vee t_{\neg e_{1,2},\, e_{1,3}} \vee t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,4} \vee t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \vee t_{e_{1,4},\, e_{2,4}} \vee t_{\neg e_{1,2},\, e_{1,3}}$$

$$2472. \ e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,2}, \, e_{1,3}}$$

$$2473. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, \, e_{1,3}} \vdash \neg t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{1,3}$$

$$2474. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2475. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2476. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2477. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2478. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2479. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2480. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2481. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,5} \lor e_{1,3}$$

$$2482. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,6} \lor e_{1,3}$$

$$2483. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,2} \lor t_{e_{1,5},\, \neg e_{1,6}} \lor e_{1,3} \lor e_{1,4} \lor e_{1,4} \lor e_{1,5}, \neg e_{1,6} \lor e_{1,6}, \neg e_{1,6} \lor e_{1,6$$

2484. 
$$\neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,5} \lor e_{1,3}$$

$$2485. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,6} \lor e_{1,3}$$

$$2486. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,3} \lor e_{1,4}$$

2487. 
$$\neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,5} \lor e_{1,3}$$

2488. 
$$\neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,6} \lor e_{1,3}$$

$$2489. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \vdash \neg e_{1,2} \lor \neg e_{1,4} \lor t_{e_{1,5}, \, e_{1,6}} \lor e_{1,3}$$

2490. 
$$\neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,5} \lor e_{1,3}$$

2491. 
$$\neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,6} \lor e_{1,3}$$

$$2492. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,2} \lor \neg e_{1,4} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor e_{1,3}$$

$$2493. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,$$

$$2494. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2495. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,$$

$$2496. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2497. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,$$

$$2498. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2499. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,$$

$$2500. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2501. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2502. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2503. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2504. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2505. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2506. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2507. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{1,3}$$

$$2508. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2509. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{1,3} \lor e_{1,4} \lor e_{1,4$$

$$2510. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2511. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2512. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2513. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2514. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2515. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\,e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2516. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\,e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2517. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{2,3} \lor \neg e_{2,4} \lor \neg$$

$$2518. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{2,3} \lor \neg e_{2,4} \lor \neg$$

$$2519. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{2,3} \lor \neg e_{2,4} \lor \neg$$

$$2520. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2521. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$2522. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$2523. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$2524. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$2525. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2526. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2527. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2528. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2529. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2530. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2531. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2532. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

2533. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2534. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2535. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2536. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2537. \ e_{1,2} \lor t_{\lnot e_{1,2}, \, e_{1,3}}, \lnot e_{1,2} \lor t_{e_{1,2}, \, \lnot e_{1,3}} \vdash t_{\lnot e_{1,2}, \, e_{1,3}} \lor t_{e_{1,2}, \, \lnot e_{1,3}}$$

$$2538. \ e_{1,2} \lor t_{\neg e_{1,2}, \, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

2539. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2540. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2541. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2542. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2543. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2544. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2545. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_$$

$$2546. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_$$

$$2547. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

$$2548. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_$$

$$2549. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg$$

$$2550. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}}$$

$$2551. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}}$$

$$2552. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}}$$

$$2553. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$2554. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$2555. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$2556. \ e_{1,2} \lor t_{\neg e_{1,2}, \, e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$2557. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

2558. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2559. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2560. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2561. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

2562. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$2563. \ e_{1,2} \lor t_{\lnot e_{1,2},\, e_{1,3}}, \lnot e_{1,2} \lor t_{e_{1,2},\, e_{2,3}} \vdash t_{\lnot e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}}$$

2564. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

2565. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2}$$

$$2566. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\,e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2}$$

$$2567. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\,e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,2},\,e_{1,3}} \lor e_{1,2}$$

$$2568. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, e_{1,3}} \lor e_{1,2}$$

2569. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2570. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2571. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2572. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2573. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_$$

2574. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$2575. \ \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$2576. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

2577. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2578. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

2579. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2580. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2581. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2582. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2583. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2584. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2585. \ \, \neg e_{1,3} \vee t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \vee t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \vee t_{\neg e_{1,3},\, e_{2,3}}$$

2586. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$2587. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}}$$

2588. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

2589. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$2590. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}}$$

$$2591. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}}$$

$$2592. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}}$$

$$2593. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, e_{2,3}} \lor e_{2,3}$$

2594. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

$$2595. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, e_{2,3}} \lor e_{2,3}$$

$$2596. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, e_{2,3}} \lor e_{2,3}$$

$$2597. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor e_{1$$

$$2598. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$2599. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor$$

$$2600. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$2601. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$2602. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$2603. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor e_{1,6} \lor \neg e_{1,4} \lor e_{1,6} \lor \neg e_{1,4} \lor e_{1,6} \lor \neg e_{1,6$$

2604. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2605. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2606. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg e_{1,5} \lor e_{1,6} \lor e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2607. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor e_{1$$

$$2608. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2609. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor$$

$$2610. \ \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$2611. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$2612. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$2613. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor e_{1,6} \lor e_{1,4}$$

$$2614. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor e_{1$$

$$2615. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$2616. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor$$

$$2617. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$2618. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor e_{1$$

$$2619. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$2620. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor$$

2621. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$2622. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$2623. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$2624. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg e_{1,5} \lor e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg e_{1,4} \lor t_{\neg e_{1,3},\, e_{1,6}} \vdash \neg e_{1,5} \lor e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg e_{1,4} \lor t_{\neg e_{1,4},\, e_{1,6}} \lor \neg e_{1,4} \lor t_{\neg e_{1,4},\, e_{1,6}} \lor \neg e_{1,4} \lor t_{\neg e_{1,4},\, e_{1,6}} \lor \neg e_{1,4} \lor \neg e_{1,4}$$

$$2625. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$2626. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$2627. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$2628. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$2629. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2630. \ \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2631. \ \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2632. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2633. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg e_{2,5$$

$$2634. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{$$

$$2635. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{$$

$$2636. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{$$

$$2637. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$2638. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$2639. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$2640. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$2641. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor \neg t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,6$$

$$2642. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \lor$$

$$2643. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \lor$$

$$2644. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \lor$$

$$2645. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e$$

$$2646. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e$$

$$2647. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e$$

$$2648. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e$$

$$2649. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor \neg t_{\neg e_{1,6},\, e_{1,6}}, \neg e_{1,6} \lor \neg t_{\neg e$$

$$2650. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$2651. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$2652. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$2653. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,6},\, e_{2,6}}$$

$$2654. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,6},\, e_{2,6}}$$

$$2655. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,6},\, e_{2,6}}$$

$$2656. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,6},\, e_{2,6}}$$

2657. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2658. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}}$$

$$2659. \ e_{1,5} \lor t_{\lnot e_{1,2},\, e_{1,3}}, \lnot e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\lnot e_{1,2},\, e_{1,3}}$$

$$2660. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

2661. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2662. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

2663. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2664. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}}$$

2665. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

$$2666. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

2667. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

2668. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$2669. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

$$2670. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}}$$

2671. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2672. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

$$2673. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$2674. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$2675. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$2676. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$2677. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2678. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

2679. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$2680. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

2681. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2682. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2683. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

2684. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2685. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

2686. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

2687. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

2688. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

2689. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}}$$

2690. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2691. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2692. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$2693. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2694. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$2695. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\,e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,e_{1,6}}$$

$$2696. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

2697. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

2698. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}}$$

$$2699. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, e_{1,6}}$$

2700. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

$$2701. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, e_{1,6}}$$

$$2702. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$2703. \ \, \neg e_{1,6} \vee t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \vee t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \vee t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$2704. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

2705. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

2706. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

2707. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$2708. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$$

$$2709. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

2710. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2711. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2712. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2713. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6}$$

$$2714. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6}$$

2715. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6}$$

$$2716. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\,e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6}$$

$$2717. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, e_{2,6}} \lor e_{2,6}$$

2718. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, e_{2,6}} \lor e_{2,6}$$

- 2719.  $\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, e_{2,6}} \lor e_{2,6}$
- $2720. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, e_{2,6}} \lor e_{2,6}$
- $2721. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor e_{1,6}, \neg e_{1,6} \lor e_{1,6} \lor e_{1,6} \lor e_{1,6} \lor e_{1,6}, \neg e_{1,6} \lor e_{1,6} \lor e_{1,6} \lor e_{1,6} \lor e_{1,6} \lor e_{1,6}$
- $2722. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}$
- $2723. \ e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$
- $2724. \ \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{1,6}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_$
- $2725. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,5},\, e_{1,6}} \lor t_{e_{1,5},\,$
- $2726. \ \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_$
- $2727. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2$
- $2728. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$
- $2729. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}}$
- $2730. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}}$
- $2731. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}}$
- $2732. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}}$
- $2733. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_{2,$
- $2734. \ \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_{$
- $2735. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_{2,$
- $2736. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,4}$
- $2737. \ e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}}$
- $2738. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}$
- $2739. \ e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}}$
- $2740. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}$
- $2741. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}$
- $2742. \ e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}}$
- $2743. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}$
- $2744. \ e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}}$
- $2745. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$

$$2746. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2747. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2748. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2749. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2750. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2751. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2752. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

2753. 
$$\neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,5} \lor e_{1,3}$$

2754. 
$$\neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,6} \lor e_{1,3}$$

$$2755. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,2} \lor t_{e_{1,5},\, \neg e_{1,6}} \lor e_{1,3} \lor e_{1,4}$$

2756. 
$$\neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,5} \lor e_{1,3}$$

2757. 
$$\neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,6} \lor e_{1,3}$$

$$2758. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,3} \lor e_{1,4}$$

$$2759. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,5} \lor e_{1,3}$$

2760. 
$$\neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,6} \lor e_{1,3}$$

$$2761. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \vdash \neg e_{1,2} \lor \neg e_{1,4} \lor t_{e_{1,5},\, e_{1,6}} \lor e_{1,3}$$

$$2762. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,5} \lor e_{1,3}$$

$$2763. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,6} \lor e_{1,3}$$

$$2764. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,2} \lor \neg e_{1,4} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor e_{1,3}$$

$$2765. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,$$

$$2766. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2767. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,$$

$$2768. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2769. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_$$

$$2770. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2771. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_$$

$$2772. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$2773. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2774. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2775. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$2776. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2777. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2778. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2779. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2780. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$2781. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{1,3} \lor e_{1,4} \lor$$

$$2782. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2783. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2784. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2785. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2786. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2787. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, \, e_{2,3}} \vdash \neg t_{e_{1,2}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2788. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$2789. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{2,3} \lor \neg e_{2,4} \lor \neg e_$$

$$2790. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2791. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{2,3} \lor \neg e_{2,4} \lor \neg$$

$$2792. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2793. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$2794. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$2795. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$2796. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$2797. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$2798. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2799. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2800. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}}, \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}$$

$$2801. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2802. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2803. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$2804. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

2805. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2806. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2807. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2808. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2809. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2810. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2811. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2812. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2813. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2814. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2815. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2816. \ \ e_{1,2} \lor t_{\lnot e_{1,2},\, e_{1,3}}, \lnot e_{1,2} \lor e_{1,3} \lor \lnot t_{\lnot e_{1,2},\, e_{1,3}} \vdash t_{\lnot e_{1,2},\, e_{1,3}} \lor \lnot t_{\lnot e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$2817. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

$$2818. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_$$

$$2819. \ \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg$$

2820. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2821. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}}$$

$$2822. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}}$$

2823. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$2824. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}}$$

$$2825. \ \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$2826. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$2827. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$2828. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

2829. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2830. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2831. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2832. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2833. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

2834. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

2835. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$2836. \ e_{1,2} \lor t_{\lnot e_{1,2},\, e_{1,3}}, \lnot e_{1,2} \lor t_{e_{1,2},\, e_{2,3}} \vdash t_{\lnot e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, e_{2,3}}$$

2837. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2}$$

2838. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2}$$

2839. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2}$$

2840. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2}$$

2841. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2842. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2843. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2844. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2845. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

2846. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

2847. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$2848. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

2849. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2850. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2851. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2852. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2853. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2854. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2855. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

$$2856. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

2857. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$2858. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}}$$

$$2859. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,3},\, e_{2,3}}$$

2860. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$2861. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}}$$

$$2862. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}}$$

$$2863. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}}$$

$$2864. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}}$$

$$2865. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, e_{2,3}} \lor e_{2,3}$$

2866. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

$$2867. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, e_{2,3}} \lor e_{2,3}$$

$$2868. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, e_{2,3}} \lor e_{2,3}$$

2869. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

2870. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}}$$

$$2871. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash e_{1,5} \lor t_{e_{1,2},\,e_{1,3}} \lor e_{1,6} \lor e_{1,4}$$

$$2872. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \lor \neg t_{e_{1,5},\,\neg e_$$

2873. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

$$2874. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

$$2875. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2},\,e_{1,3}} \vdash e_{1,5} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,e_{1,6}}$$

$$2876. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,5},\,\neg e_{1,6}}$$

2877. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2878. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor e$$

$$2879. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$2880. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$2881. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$2882. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash e_{1,5} \lor e_{1,6} \lor \neg e_{1,4} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$2883. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \lor \neg t_{e_{1,5},\,\neg e_$$

$$2884. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

$$2885. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

$$2886. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,e_{1,6}}$$

$$2887. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

2888. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}}$$

$$2889. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,6} \lor \neg e_{1,4}$$

$$2890. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

2891. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$2892. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash e_{1,5} \lor e_{1,6} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{1,4}$$

$$2893. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,5},\,\neg e_{1,6}}$$

$$2894. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

$$2895. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor e$$

$$2896. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

$$2897. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{\neg$$

$$2898. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{\neg$$

$$2899. \ \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{$$

$$2900. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{\neg$$

$$2901. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$2902. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$2903. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$2904. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

2905. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

$$2906. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

$$2907. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

$$2908. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

$$2909. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,5},\,e_{2,5}} \lor e_{1,6}$$

2910. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,5}, e_{2,5}} \lor e_{1,6}$$

$$2911. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,5},\,e_{2,5}} \lor e_{1,6}$$

$$2912. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,5},\,e_{2,5}} \lor e_{1,6}$$

$$2913. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$2914. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$2915. \ \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,6}$$

$$2916. \ \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,6}$$

$$2917. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \lor \neg t_{\neg e$$

$$2918. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}}$$

$$2919. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \lor \neg t_{\neg e$$

$$2920. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \lor \neg t_{\neg e$$

$$2921. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,6},\,\neg e_{2,6}}$$

$$2922. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,6},\,\neg e_{2,6}}$$

$$2923. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,6},\,\neg e_{2,6}}$$

$$2924. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,6},\,\neg e_{2,6}}$$

2925. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,6}, e_{2,6}}$$

$$2926. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,6},\,e_{2,6}}$$

$$2927. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,6},\,e_{2,6}}$$

$$2928. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,6},\,e_{2,6}}$$

$$2929. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$2930. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

$$2931. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{1,6}}$$

2932. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2933. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{1,6}}$$

2934. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2935. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$2936. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2937. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{1,6}}$$

2938. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

2939. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

2940. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

2941. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

2942. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2943. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$2944. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

2945. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2946. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2947. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2948. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2949. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2950. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2951. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2952. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2953. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_$$

2954. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

2955. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$2956. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}}$$

$$2957. \ \neg e_{1,5} \lor t_{\neg e_{1,2}, \, e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5}$$

$$2958. \ \neg e_{1,5} \lor t_{\neg e_{1,2}, \, e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5}$$

2959. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$2960. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

2961. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}}$$

2962. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2963. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2964. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$2965. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2966. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

2967. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}}$$

2968. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

2969. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

$$2970. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$2971. \ \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}}$$

2972. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

2973. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}}$$

2974. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

2975. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$2976. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

2977. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$2978. \ \, \neg e_{1,6} \vee t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \vee t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \vee t_{\neg e_{1,6},\, \neg e_{2,6}}$$

2979. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

2980. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

2981. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

2982. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2983. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

2984. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$2985. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6}$$

$$2986. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6}$$

$$2987. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6}$$

$$2988. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6}$$

$$2989. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, e_{2,6}} \lor e_{2,6}$$

$$2990. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, e_{2,6}} \lor e_{2,6}$$

2991. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,6}, e_{2,6}} \lor e_{2,6}$$

$$2992. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,6},\, e_{2,6}} \lor e_{2,6}$$

$$2993. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,6} \lor \neg e_{1,4}$$

$$2994. \ \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}$$

$$2995. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,4} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{e_{1,5},\, e_{1,6}} \lor t_{e_{1,$$

$$2996. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, \neg$$

$$2997. \ \neg e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{e_{1,5}, \, e_{1,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$2998. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,6} \lor \neg e_{1,4}$$

$$2999. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_$$

$$3000. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{e_{1,5}, e_{1,6}} \lor t$$

$$3001. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,6} \lor \neg e_{1,4}$$

$$3002. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,6} \lor \neg e_{1,4}$$

$$3003. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}$$

$$3004. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{$$

$$3005. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$3006. \ \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3007. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$3008. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$3009. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3010. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3011. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3012. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3013. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor t_{e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor \neg$$

$$3014. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor t_{e_{1,5},\, e_{1,6}} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \lor \neg e_{2,4} \lor \neg e_{2,4$$

$$3015. \ \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor t_{e_{1,5},\, e_{1,6}} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{e_{1,4},\,$$

$$3016. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg e_{2,4} \lor t_{e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor \neg$$

$$3017. \ \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4} \lor$$

$$3018. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4} \lor e_{2,4$$

$$3019. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4} \lor e_{2,4$$

$$3020. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4} \lor e_{2,4$$

$$3021. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$3022. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$3023. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$3024. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$3025. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash \neg t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$3026. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$3027. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, \, e_{1,3}} \vdash \neg t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{1,3}$$

$$3028. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$3029. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,5} \lor e_{1,3}$$

3030. 
$$\neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,6} \lor e_{1,3}$$

$$3031. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,2} \lor t_{e_{1,5},\, \neg e_{1,6}} \lor e_{1,3} \lor e_{1,4}$$

3032. 
$$\neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,5} \lor e_{1,3}$$

3033. 
$$\neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,6} \lor e_{1,3}$$

$$3034. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,3} \lor e_{1,4}$$

3035. 
$$\neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,5} \lor e_{1,3}$$

3036. 
$$\neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,6} \lor e_{1,3}$$

$$3037. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \vdash \neg e_{1,2} \lor \neg e_{1,4} \lor t_{e_{1,5},\, e_{1,6}} \lor e_{1,3}$$

3038. 
$$\neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,5} \lor e_{1,3}$$

3039. 
$$\neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,6} \lor e_{1,3}$$

$$3040. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,2} \lor \neg e_{1,4} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{1,3}$$

$$3041. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$3042. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$3043. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,$$

$$3044. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$3045. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,$$

$$3046. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$3047. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,$$

$$3048. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$3049. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$3050. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$3051. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$3052. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$3053. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$3054. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$3055. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$3056. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{1,3}$$

$$3057. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$3058. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$3059. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$3060. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$3061. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\,e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3062. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\,e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3063. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, \, e_{2,3}} \vdash \neg t_{e_{1,2}, \, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3064. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\,e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,2},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,3} \lor e_{2,3}$$

$$3065. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$3066. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{2,3} \lor \neg e_{2,4} \lor \neg$$

$$3067. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{2,3} \lor \neg e_{2,4} \lor \neg e_$$

$$3068. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{2,3} \lor \neg e_{2,4} \lor \neg$$

$$3069. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$3070. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$3071. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$3072. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,3}$$

$$3073. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$3074. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}}$$

$$3075. \ \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$3076. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$3077. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$3078. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$3079. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$3080. \ \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

3081. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$3082. \ e_{1,2} \lor t_{\lnot e_{1,2},\, e_{1,3}}, \lnot e_{1,2} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\lnot e_{1,2},\, e_{1,3}}$$

3083. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3084. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3085. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3086. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3087. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3088. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3089. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$3090. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$3091. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$3092. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \lor e_{1,3}$$

$$3093. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_$$

$$3094. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

$$3095. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

$$3096. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

$$3097. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}}$$

$$3098. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}}$$

$$3099. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, \neg e_{2,3}}$$

3100. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$3101. \ \ e_{1,2} \lor t_{\neg e_{1,2}, \, e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,3}$$

$$3102. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

$$3103. \ e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,3}$$

3104. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,3}$$

3105. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3106. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3107. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3108. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3109. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

3110. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

3111. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

3112. 
$$e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

3113. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2}$$

3114. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2}$$

$$3115. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,2},\, e_{1,3}} \lor e_{1,2}$$

3116. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2}$$

3117. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3118. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3119. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3120. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3121. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

3122. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

3123. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$3124. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

$$3125. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

3126. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3127. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3128. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3129. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3130. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3131. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

$$3132. \ \, \neg e_{1,3} \vee t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \vee t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \vee t_{\neg e_{1,2},\, e_{1,3}}$$

3133. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3134. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3135. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

3136. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$3137. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}}$$

$$3138. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}}$$

3139. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$3140. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, \neg e_{2,3}}$$

3141. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

$$3142. \ \, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, e_{2,3}} \lor e_{2,3}$$

3143. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

3144. 
$$\neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

$$3145. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \vee t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vee \neg t_{\neg e_{$$

$$3146. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{1,$$

$$3147. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,6} \lor \neg e_{1,5} \lor e_{1,4}$$

$$3148. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg$$

$$3149. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee t_{e_{1,2}, e_{1,3}} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee t_{e_{1,6}, e_{1,6}} \vee t_{e_{1,$$

$$3150. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$3151. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$3152. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}$$

$$3153. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vee t_{e_{1,2}, \neg e_{1,3}}$$

$$3154. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,6} \lor \neg t_{\neg e_{1,5$$

$$3155. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3156. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3157. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3158. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg e_{1,5} \lor \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3159. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e$$

$$3160. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_$$

$$3161. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}$$

$$3162. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{$$

$$3163. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{$$

$$3164. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg$$

$$3165. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \vee t_{\neg e_{1,2}, e_{1,3}} \vee t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg e_{1,5} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, e_{1,4}} \vee \neg e_{1,4} \vee \tau_{\neg e_{1,4}, e_{1,4}} \vee \neg e_{1,4} \vee \neg e_{1,4} \vee \tau_{\neg e_{1,4}, e_{1,4}} \vee \neg e_{1,4} \vee \neg e_{1,4} \vee \tau_{\neg e_{1,4}} \vee \neg e_{1,4} \vee \neg e_{1,4$$

$$3166. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{1,6}}, e_{1,6} \lor t_$$

$$3167. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{1,4}}, e_{1,6} \lor t_{\neg e_{1,4}, \neg e_{1,4}$$

$$3168. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,4}$$

$$3169. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e$$

$$3170. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{1,4}}, e_{1,6} \lor t_{\neg e_{1,4}, \neg e_{1,4}$$

$$3171. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,6} \lor \neg t_{\neg e_{1,5$$

$$3172. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{1,5} \lor$$

$$3173. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \vee t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \vee t_{\neg e_{1,5}, \neg e_{2,5}} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee t_{\neg e_{1,5}, \neg e_{2,5}} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \vee e_$$

$$3174. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{1,6}$$

$$3175. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \vee t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \vee t_{\neg e_{1,5}, \neg e_{2,5}} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee t_{\neg e_{1,5}, \neg e_{2,5}} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \vee e_$$

$$3176. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}$$

$$3177. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3178. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3179. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \vee t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vee t_{\neg e_{1,5}, e_{2,5}}$$

$$3180. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \vee t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vee t_{\neg e_{1,5}, e_{2,5}}$$

$$3181. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$3182. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,5} \lor \neg e_{2,$$

$$3183. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e$$

$$3184. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e$$

$$3185. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,5}}, e_{1,5} \lor e_{2,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,5}}, e_{2,5} \lor e$$

$$3186. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$3187. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor e_{2,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor e_{$$

$$3188. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,6}, \, \neg e_{1,6}}, e_{1,6} \lor \neg t$$

$$3189. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vee t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$3190. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$3191. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$3192. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$3193. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \vee \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee e$$

$$3194. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{1,6} \lor$$

$$3195. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{1,6} \lor$$

$$3196. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{1,6} \lor$$

$$3197. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$3198. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,6}$$

$$3199. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee \neg e_{2,6} \vee \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \vee \neg t_{e_{1,6}, \neg e_{2,6}} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vee \neg e_{2,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vee \neg e_{2,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vee \neg e_{2,6} \vee \neg e_{2$$

$$3200. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$3201. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,6} \vee e_{2,6} \vee \neg t_{e_{1,6}, \, e_{2,6}} \vdash \neg e_{1,5} \vee \neg t_{e_{1,6}, \, e_{2,6}} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6} \vee$$

$$3202. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{2,6}$$

$$3203. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,6} \vee e_{2,6} \vee \neg t_{e_{1,6}, \, e_{2,6}} \vdash \neg e_{1,5} \vee \neg t_{e_{1,6}, \, e_{2,6}} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6}$$

$$3204. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,6} \vee e_{2,6} \vee \neg t_{e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \vee \neg t_{e_{1,6},\, e_{2,6}} \vee \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vee e_{2,6} \vee e_{2,6$$

3205. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$3206. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}}$$

3207. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$3208. \ \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

3209. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3210. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

3211. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3212. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}}$$

3213. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

$$3214. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

3215. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

3216. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

3217. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$3218. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}}$$

3219. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3220. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

$$3221. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}}$$

3222. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$3223. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}}$$

3224. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

3225. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$3226. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$3227. \ e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

3228. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

3229. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3230. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3231. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$3232. \ e_{1,5} \lor t_{\lnot e_{1,2},\, e_{1,3}}, \lnot e_{1,5} \lor t_{e_{1,5},\, \lnot e_{2,5}} \vdash t_{e_{1,5},\, \lnot e_{2,5}} \lor t_{\lnot e_{1,2},\, e_{1,3}}$$

3233. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

3234. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

3235. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

3236. 
$$e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

3237. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$3238. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}}$$

$$3239. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{1,6}}$$

$$3240. \ e_{1,6} \lor t_{\lnot e_{1,2},\, e_{1,3}}, \lnot e_{1,6} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\lnot e_{1,2},\, e_{1,3}}$$

$$3241. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{1,6}}$$

3242. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3243. \ e_{1,6} \lor t_{\lnot e_{1,2},\, e_{1,3}}, \lnot e_{1,6} \lor t_{e_{1,2},\, \lnot e_{1,3}} \vdash t_{\lnot e_{1,2},\, e_{1,3}} \lor t_{e_{1,2},\, \lnot e_{1,3}}$$

$$3244. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}}$$

$$3245. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, \neg e_{1,6}}$$

3246. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

3247. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}}$$

$$3248. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}}$$

$$3249. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$3250. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}}$$

3251. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

3252. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3253. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6}$$

$$3254. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6}$$

3255. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6}$$

$$3256. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6}$$

$$3257. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}}$$

$$3258. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}}$$

$$3259. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}}$$

$$3260. \ e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}}$$

3261. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$3262. \ e_{1,6} \lor t_{\lnot e_{1,2},\, e_{1,3}}, \lnot e_{1,6} \lor t_{e_{1,6},\, \lnot e_{2,6}} \vdash t_{e_{1,6},\, \lnot e_{2,6}} \lor t_{\lnot e_{1,2},\, e_{1,3}}$$

3263. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3264. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3265. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3266. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3267. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3268. 
$$e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$3269. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{e_{1,5},\, e_{1,6}} \lor t_{e_{1,$$

$$3270. \ \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$3271. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{e_{1,2},\, \neg e_{1,3}}, e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,3},\, \neg e_{1,4}} \lor t_{\neg e_{1,4},\, \neg e_{1,4}} \lor$$

$$3272. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,4},\, e_{1,4}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{$$

$$3273. \ \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$3274. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5},$$

$$3275. \ \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,5}, e_{1,$$

$$3276. \ \neg e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,5}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}}$$

$$3277. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$3278. \ \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$3279. \ \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3280. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$3281. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3282. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3283. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3284. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3285. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \lor \neg e_{2,4} \lor$$

$$3286. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_$$

$$3287. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_$$

$$3288. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor \neg t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_$$

$$3289. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4} \lor e_{2,4}$$

$$3290. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_$$

$$3291. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_$$

$$3292. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_$$

$$3293. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2},\, \neg e_{1,3}}, e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,3} \vee \neg t_{\neg e_{1,2},\, \neg e_{1,3}} \vee \neg t_{e_{1,2},\, \neg e_{1,3}} \vee \neg t_{e_{1,2}$$

$$3294. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3295. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg$$

$$3296. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, \neg e_{1,3}}$$

$$3297. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg$$

$$3298. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3299. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg$$

$$3300. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3301. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg$$

$$3302. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,4} \lor \neg t_{\neg e_{1,2}, \neg$$

$$3303. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$3304. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3305. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$3306. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,4} \lor \neg t_{\neg e_{1,2}, \neg$$

$$3307. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg$$

$$3308. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3309. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee \neg e_{1,5}$$

$$3310. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor \neg e_{1,6}$$

$$3311. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,4} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,5}, e_{1,6}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee t_{e_{1,5}, e_{1,6}} \vee e_{1,4}$$

3312. 
$$\neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,5} \lor \neg e_{1,3}$$

$$3313. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2},\, \neg e_{1,3}}, e_{1,6} \vee t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee e_{1,6}$$

$$3314. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,4} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee t_{\neg e_{1,5}, \neg e_{1,6}} \vee e_{1,4}$$

3315. 
$$\neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor \neg e_{1,5}$$

$$3316. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee e_{1,6}$$

$$3317. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,4} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee t_{e_{1,5}, \neg e_{1,6}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \neg e_{1,4}} \vee \neg e_{1,4} \vee \tau_{\neg e_{1,4}, \neg e_{1,4}} \vee \neg e_{1,4} \vee \neg e_{1,4$$

3318. 
$$\neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,5} \lor \neg e_{1,3}$$

$$3319. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,6} \vee t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee \neg e_{1,6}$$

$$3320. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,4} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee t_{\neg e_{1,5}, e_{1,6}} \vee \neg e_{1,4} \vee e_{1,5}, \cdots e_{1,6} \vee \neg e_{1,4} \vee e_{1,5}, \cdots e_{1,6} \vee \neg e_{1,6} \vee \neg$$

$$3321. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$3322. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$3323. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$3324. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$3325. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$3326. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$3327. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,2}, e_{2,3}}$$

$$3328. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,2}, e_{2,3}}$$

$$3329. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee \neg e_{2,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,3}$$

$$3330. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee \neg e_{2,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}$$

$$3331. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee \neg e_{2,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}$$

$$3332. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee \neg e_{2,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,3} \vee \neg e_$$

$$3333. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee e_{2,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,3}$$

$$3334. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee e_{2,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,3}$$

$$3335. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee e_{2,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,3}$$

$$3336. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$3337. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3338. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg$$

$$3339. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg$$

$$3340. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor \neg t_{\neg e_{1,3}$$

$$3341. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$3342. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,3}, e_{2,3}}$$

$$3343. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$3344. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$3345. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee \neg e_$$

$$3346. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee \neg e_$$

$$3347. \ \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_{2,$$

$$3348. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_$$

$$3349. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{2,3}$$

$$3350. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{2,3}$$

$$3351. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{2,3}$$

$$3352. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{2,3}$$

$$3353. \ e_{1,2} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}$$

$$3354. \ e_{1,2} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}$$

3355. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3356. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3357. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3358. \ e_{1,2} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor t_{e_{1,2}, \lnot e_{1,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

3359. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3360. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3361. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$3362. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

3363. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$3364. \ e_{1,2} \vee t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,2} \vee e_{1,3} \vee \neg t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \vee \neg t_{\neg e_{1,2}, \, e_{1,3}} \vee e_{1,3}$$

$$3365. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg$$

$$3366. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3367. \ e_{1,2} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$3368. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3369. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3370. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3371. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3372. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3373. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

3374. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$3375. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$3376. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

3377. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3378. \ e_{1,2} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor t_{e_{1,2}, \lnot e_{2,3}} \vdash t_{e_{1,2}, \lnot e_{2,3}} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}$$

3379. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3380. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3381. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

3382. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

3383. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

3384. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

3385. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3386. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3387. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3388. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3389. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

3390. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

3391. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$3392. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

3393. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$3394. \ e_{1,3} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor t_{\lnot e_{1,2}, e_{1,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,2}, e_{1,3}}$$

$$3395. \ e_{1,3} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor t_{\lnot e_{1,2}, e_{1,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,2}, e_{1,3}}$$

$$3396. \ e_{1,3} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor t_{\lnot e_{1,2}, e_{1,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,2}, e_{1,3}}$$

$$3397. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3398. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3399. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg$$

3400. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3401. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3402. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3403. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3404. \ e_{1,3} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$3405. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$3406. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$3407. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$3408. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

3409. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3410. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3411. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3412. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3413. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

3414. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

3415. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

3416. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

3417. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

3418. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}}$$

$$3419. \ \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, \, e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \vdash e_{1,5} \lor t_{e_{1,2}, \, e_{1,3}} \lor e_{1,6} \lor e_{1,4}$$

$$3420. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,5},\,\neg e_{1,6}}$$

3421. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2},\,e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

$$3422. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

3423. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}}$$

$$3424. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \lor \neg t_{e_{1,5},\,\neg e_$$

3425. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3426. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor e$$

$$3427. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$3428. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

3429. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$3430. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash e_{1,5} \lor e_{1,6} \lor \neg e_{1,4} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$3431. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,5},\,\neg e_{1,6}}$$

3432. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

$$3433. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

3434. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}}$$

3435. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

$$3436. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,e_{1,6}}$$

$$3437. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash e_{1,5} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor e_{1,6} \lor \neg e_{1,4}$$

3438. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3439. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

$$3440. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash e_{1,5} \lor e_{1,6} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor e_{1,4}$$

$$3441. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \lor \neg t_{e_{1,5},\,\neg e_$$

$$3442. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

$$3443. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

3444. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3445. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{\neg$$

$$3446. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}}$$

$$3447. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{\neg$$

$$3448. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{\neg$$

$$3449. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$3450. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$3451. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$3452. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$3453. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

$$3454. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$3455. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

$$3456. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{1,6}$$

$$3457. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,5},\,e_{2,5}} \lor e_{1,6}$$

3458. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,5},\,e_{2,5}} \lor e_{1,6}$$

3459. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,5}, e_{2,5}} \lor e_{1,6}$$

3460. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,5}, e_{2,5}} \lor e_{1,6}$$

$$3461. \ \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, \, e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \, e_{1,6}} \lor \neg t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{$$

$$3462. \ \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,6}$$

$$3463. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$3464. \ \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \lor \neg e_{2,6} \lor \neg$$

$$3465. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}}$$

$$3466. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \lor \neg t_{\neg e$$

$$3467. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}}$$

$$3468. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\,e_{2,6}} \lor \neg t_{\neg e$$

$$3469. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,6},\,\neg e_{2,6}}$$

$$3470. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,6},\,\neg e_{2,6}}$$

3471. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

3472. 
$$e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

$$3473. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,6},\,e_{2,6}}$$

$$3474. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,6},\,e_{2,6}}$$

$$3475. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,6},\,e_{2,6}}$$

$$3476. \ e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,6},\,e_{2,6}}$$

3477. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3478. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3479. \ \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3480. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3481. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$3482. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$3483. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3484. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3485. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

3486. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3487. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3488. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3489. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3490. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}}$$

3491. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3492. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}}$$

3493. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3494. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3495. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$3496. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3497. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3498. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3499. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3500. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3501. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

3502. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3503. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$3504. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$3505. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \vdash \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$3506. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \vdash \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3507. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \vdash \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$3508. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \vdash \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$3509. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3510. \ \, \neg e_{1,6} \vee t_{\neg e_{1,2},\, \neg e_{1,3}}, e_{1,6} \vee t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \vee t_{\neg e_{1,2},\, \neg e_{1,3}}$$

3511. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3512. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

3513. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3514. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

3515. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3516. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

3517. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$3518. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3519. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$3520. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{1,3}}$$

$$3521. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

3522. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}}$$

3523. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3524. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3525. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$3526. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

3527. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

3528. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

3529. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3530. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3531. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3532. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3533. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6}$$

$$3534. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6}$$

$$3535. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6}$$

$$3536. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg e_{2,6}$$

$$3537. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}$$

$$3538. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, \, e_{2,6}} \vdash \neg t_{e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}$$

3539. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}$$

$$3540. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}$$

$$3541. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,4}$$

$$3542. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,5}, e_$$

$$3543. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor t_$$

$$3544. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,4}$$

$$3545. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3546. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,5}, e_{1,$$

$$3547. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,4}$$

$$3548. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}$$

$$3549. \ \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor$$

$$3550. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,4}$$

$$3551. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_$$

$$3552. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}$$

$$3553. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg$$

$$3554. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg$$

$$3555. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg$$

$$3556. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg$$

$$3557. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4},$$

$$3558. \ \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor e_{2,4}$$

$$3559. \ \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \lor e_{2,4} \lor \neg e_{$$

$$3560. \ \ e_{1,4} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \lor e_{2,4} \lor e_{2,4}$$

$$3561. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}$$

$$3562. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}$$

$$3563. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}$$

$$3564. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}$$

$$3565. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}$$

$$3566. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}$$

$$3567. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}$$

$$3568. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}$$

$$3569. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg$$

$$3570. \ \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3571. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg$$

$$3572. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3573. \ \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_$$

$$3574. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3575. \ \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_$$

$$3576. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3577. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg$$

$$3578. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3579. \ \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$3580. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,4} \lor \neg t_{\neg e_{1,2}, \neg$$

$$3581. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$3582. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3583. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg$$

$$3584. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}$$

3585. 
$$\neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor \neg e_{1,5}$$

$$3586. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee \neg e_{1,6}$$

$$3587. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor t_{e_{1,5}, e_{1,6}} \lor e_{1,4}$$

3588. 
$$\neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,5} \lor \neg e_{1,3}$$

$$3589. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,6} \vee t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee e_{1,6}$$

$$3590. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{1,4} \lor e_{1,4} \lor e_{1,5}, \neg e_{1,6} \lor e_{1,4} \lor e_{1,5}, \neg e_{1,6} \lor e_{1,5}, \neg e_{1,6} \lor e_{1,5}, \neg e_{1,6} \lor e_$$

$$3591. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor \neg e_{1,5}$$

$$3592. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee e_{1,6}$$

$$3593. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,4} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee t_{e_{1,5}, \neg e_{1,6}} \vee \neg e_{1,4} \vee e_{1,5}, \neg e_{1,6} \vee \neg e_{1,4} \vee e_{1,5}, \neg e_{1,6} \vee \neg$$

3594. 
$$\neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor e_{1,5} \lor \neg e_{1,3}$$

$$3595. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor \neg e_{1,6}$$

$$3596. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,5}, e_{1,6}} \lor \neg e_{1,4}$$

$$3597. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$3598. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$3599. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$3600. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$3601. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,2}, e_{2,3}}$$

$$3602. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$3603. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$3604. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,2}, e_{2,3}}$$

$$3605. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee \neg e_{2,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}$$

$$3606. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3} \lor \neg e_$$

$$3607. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3}$$

$$3608. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee \neg e_{2,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,3} \vee$$

$$3609. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee e_{2,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,3}$$

$$3610. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee e_{2,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,3} \vee e_$$

$$3611. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee e_{2,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,3}$$

$$3612. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee e_{2,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,3}$$

$$3613. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{1$$

$$3614. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{1$$

$$3615. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg$$

$$3616. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg$$

$$3617. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$3618. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$3619. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,3}, e_{2,3}}$$

$$3620. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,3}, e_{2,3}}$$

$$3621. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee \neg e_$$

$$3622. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_$$

$$3623. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee \neg e_$$

$$3624. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_$$

$$3625. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{2,3}$$

$$3626. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{2,3}$$

$$3627. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{2,3}$$

$$3628. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{2,3}$$

3629. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3630. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3631. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3632. \ e_{1,2} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}$$

$$3633. \ e_{1,2} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor t_{e_{1,2}, \lnot e_{1,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$3634. \ e_{1,2} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor t_{e_{1,2}, \lnot e_{1,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

3635. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3636. \ \ e_{1,2} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor t_{e_{1,2}, \lnot e_{1,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$3637. \ e_{1,2} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{1,3}$$

$$3638. \ \ e_{1,2} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{1,3}$$

$$3639. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$3640. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$3641. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg$$

$$3642. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3643. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3644. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3645. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3646. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3647. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3648. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3649. \ e_{1,2} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

$$3650. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$3651. \ e_{1,2} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

$$3652. \ e_{1,2} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

3653. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3654. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3655. \ e_{1,2} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor t_{e_{1,2}, \lnot e_{2,3}} \vdash t_{e_{1,2}, \lnot e_{2,3}} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}$$

3656. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3657. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

3658. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

3659. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

3660. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

3661. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3662. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3663. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3664. \ e_{1,3} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}$$

$$3665. \ e_{1,3} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{1,2}$$

$$3666. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$3667. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$3668. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$3669. \ e_{1,3} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,2},\, e_{1,3}}$$

3670. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3671. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3672. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$3673. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3674. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3675. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3676. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3677. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3678. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3679. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3680. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3681. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$3682. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$3683. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

3684. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$3685. \ e_{1,3} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

3686. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3687. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3688. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3689. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

3690. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

3691. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

3692. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$3693. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,6}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,6$$

$$3694. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$3695. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{1,6} \lor \neg e_{1,5} \lor e_{1,4}$$

$$3696. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e$$

$$3697. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$3698. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,6} \lor \neg t_{\neg e_{1,5$$

$$3699. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1$$

$$3700. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}$$

$$3701. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,6} \vee t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vee t_{e_{1,2}, \, \neg e_{1,3}}$$

$$3702. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,6} \lor \neg t_{\neg e_{1,6}, \neg e_{1,6}}, \neg e_{1,6} \lor \neg t_{\neg e_{1,6$$

$$3703. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3704. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3705. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3706. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg e_{1,5} \lor \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg e_{1,5} \lor \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg$$

$$3707. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e$$

$$3708. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg$$

$$3709. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,6} \lor \neg t_{\neg e_{1,6}, \neg e_{1,6}}, \neg e_{1,6} \lor \neg t_{\neg e_{1,6$$

$$3710. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{$$

$$3711. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5$$

$$3712. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg$$

$$3713. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg e_{1,4}$$

$$3714. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{1,6}}, e_{1,6} \lor t_$$

$$3715. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,4}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,4}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,4}}, e_{1,6} \lor t_{\neg e_{1,4}, \neg e_{$$

$$3716. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,4}$$

$$3717. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1$$

$$3718. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,4}, \neg e_{1,4}}, e_{1,6} \lor t_{\neg e_{1,4}, \neg$$

$$3719. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5},\, \neg e_{1,6}}, \neg e_{1,5} \vee e_{1,6} \vee \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg e_{1,5} \vee \neg t_{\neg e_{1,5},\, e_{1,6}} \vee \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vee$$

$$3720. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{1,6}}, e_{1,6} \lor t_$$

$$3721. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{1,$$

$$3722. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{1,6}$$

$$3723. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{1,6}$$

$$3724. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{1,6}$$

$$3725. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3726. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3727. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3728. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \vee t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vee t_{\neg e_{1,5}, e_{2,5}}$$

$$3729. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \vee \neg e_{2,5} \vee \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \vee \neg t_{e_{1,5}, \neg e_{2,5}} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vee \neg t_{\neg e_{1,5},$$

$$3730. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{$$

$$3731. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg e_{$$

$$3732. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,$$

$$3733. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$3734. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,5}}, e_{2,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,5}}, e_{2,5} \lor e_{2,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,5}}, e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,5}}, e_{2,5} \lor e$$

$$3735. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$3736. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,5}}, e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,5}}, e_{2,5} \lor \neg t$$

$$3737. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$3738. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$3739. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vee t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$3740. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$3741. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{1,6} \lor$$

$$3742. \ \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{1,6} \lor \neg$$

$$3743. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{1,6}, e_{1,6} \lor \neg e_{$$

$$3744. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{1,6} \lor$$

$$3745. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$3746. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$3747. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$3748. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$3749. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee e_{2,6} \vee \neg t_{e_{1,6}, e_{2,6}} \vdash \neg e_{1,5} \vee \neg t_{e_{1,6}, e_{2,6}} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vee e_{2,6} \vee e_{2$$

$$3750. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee e_{2,6} \vee \neg t_{e_{1,6}, e_{2,6}} \vdash \neg e_{1,5} \vee \neg t_{e_{1,6}, e_{2,6}} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vee e_{2,6} \vee e_{2$$

$$3751. \ \, \neg e_{1,5} \vee \neg e_{1,6} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}, e_{1,6} \vee e_{2,6} \vee \neg t_{e_{1,6}, e_{2,6}} \vdash \neg e_{1,5} \vee \neg t_{e_{1,6}, e_{2,6}} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vee e_{2,6} \vee e_{2$$

$$3752. \ \, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, \, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{1,6}, \, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor e_{2,6}$$

3753. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3754. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$3755. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3756. \ e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

3757. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3758. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3759. \ e_{1,5} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$3760. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

3761. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3762. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3763. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$3764. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

3765. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3766. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

3767. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3768. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3769. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$3770. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$3771. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$3772. \ e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$3773. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3774. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3775. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3776. \ e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$3777. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3778. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3779. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3780. \ e_{1,5} \lor t_{\lnot e_{1,2},\,\lnot e_{1,3}}, \lnot e_{1,5} \lor t_{e_{1,5},\,\lnot e_{2,5}} \vdash t_{e_{1,5},\,\lnot e_{2,5}} \lor t_{\lnot e_{1,2},\,\lnot e_{1,3}}$$

$$3781. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{2,5}}$$

3782. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

3783. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

3784. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

3785. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3786. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

3787. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3788. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3789. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3790. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3791. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3792. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$3793. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3794. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3795. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3796. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

3797. 
$$e_{1,6} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,6} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{1,3}}$$

$$3798. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$3799. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3800. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3801. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6}$$

$$3802. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6}$$

$$3803. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6}$$

3804. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6}$$

$$3805. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

$$3806. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

$$3807. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

$$3808. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}}$$

$$3809. \ e_{1,6} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,6} \lor t_{e_{1,6}, \lnot e_{2,6}} \vdash t_{e_{1,6}, \lnot e_{2,6}} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}$$

$$3810. \ \ e_{1,6} \lor t_{\lnot e_{1,2}, \, \lnot e_{1,3}}, \lnot e_{1,6} \lor t_{e_{1,6}, \, \lnot e_{2,6}} \vdash t_{e_{1,6}, \, \lnot e_{2,6}} \lor t_{\lnot e_{1,2}, \, \lnot e_{1,3}}$$

3811. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3812. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3813. 
$$e_{1,6} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,6} \lor t_{e_{1,6}, \, e_{2,6}} \vdash t_{e_{1,6}, \, e_{2,6}} \lor t_{\lnot e_{1,2}, \, \lnot e_{1,3}}$$

3814. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3815. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3816. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3817. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_$$

$$3818. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3819. \ \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2$$

$$3820. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_$$

$$3821. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,5}, e_{1,6}} \lor$$

$$3822. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3823. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3824. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3825. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, \neg e_{1,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1$$

$$3826. \ \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_$$

$$3827. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1$$

$$3828. \ \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \tau_{\neg e_{1,5$$

$$3829. \ \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,4} \lor \neg e_{2,$$

$$3830. \ \ e_{1,4} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,4} \lor \neg e_{2,$$

$$3831. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,4} \lor \neg e_{2,4}$$

$$3832. \ \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,4} \lor \neg e_{2,$$

$$3833. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3834. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3835. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3836. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3837. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3838. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3839. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3840. \ e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3841. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg$$

$$3842. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3843. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg$$

$$3844. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3845. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg$$

$$3846. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3847. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg$$

$$3848. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, \neg e_{1,3}}$$

$$3849. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \vee e_{1,3} \vee \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{\neg e_{1,2}, e_{1,3}} \vee \neg$$

$$3850. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,4} \lor \neg t_{\neg e_{1,2}, \neg$$

$$3851. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$3852. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3853. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg$$

$$3854. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3855. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg$$

$$3856. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,4} \lor \neg t_{\neg e_{1,2}, \neg$$

$$3857. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,5} \vee t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee \neg e_{1,5}$$

$$3858. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor \neg e_{1,6}$$

$$3859. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,4} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,5}, e_{1,6}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee t_{e_{1,5}, e_{1,6}} \vee e_{1,4}$$

$$3860. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \vee e_{1,5} \vee \neg e_{1,3}$$

3861. 
$$\neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor e_{1,6}$$

$$3862. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor e_{1,4}$$

$$3863. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2},\, \neg e_{1,3}}, \neg e_{1,5} \vee t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee \neg e_{1,5}$$

3864. 
$$\neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor e_{1,6}$$

$$3865. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,4} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee t_{e_{1,5}, \neg e_{1,6}} \vee \neg e_{1,4} \vee e_{1,5}, \neg e_{1,6} \vee \neg e_{1,6} \vee$$

$$3866. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \vee e_{1,5} \vee \neg e_{1,3}$$

$$3867. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee \neg e_{1,6}$$

$$3868. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,4} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee t_{\neg e_{1,5}, e_{1,6}} \vee \neg e_{1,4} \vee e_{1,5}, \cdots \vee e_{1,4} \vee e_{1,5}, \cdots \vee e_{1,4} \vee e_{1,5}, \cdots \vee e_{1,5} \vee e_{$$

$$3869. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$3870. \ \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$3871. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$3872. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$3873. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$3874. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,2}, e_{2,3}}$$

$$3875. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,2}, e_{2,3}}$$

$$3876. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,2}, e_{2,3}}$$

$$3877. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3}$$

$$3878. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee \neg e_{2,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,3} \vee \neg e_$$

$$3879. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee \neg e_{2,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}$$

$$3880. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3} \lor \neg e_$$

$$3881. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee e_{2,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,3}$$

$$3882. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee e_{2,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,3}$$

$$3883. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee e_{2,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,3}$$

$$3884. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$3885. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,$$

$$3886. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3887. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3888. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{1$$

$$3889. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,3}, \, e_{2,3}}$$

$$3890. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,3}, e_{2,3}}$$

$$3891. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$3892. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$3893. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_$$

$$3894. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_$$

$$3895. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee \neg e_$$

$$3896. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_$$

$$3897. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

$$3898. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{2,3}$$

$$3899. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{2,3}$$

$$3900. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

3901. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3902. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3903. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3904. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3905. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3906. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3907. \ e_{1,2} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor t_{e_{1,2}, \lnot e_{1,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

3908. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3909. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$3910. \ \ e_{1,2} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor e_{1,3} \lor \lnot t_{\lnot e_{1,2}, e_{1,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor \lnot t_{\lnot e_{1,2}, e_{1,3}} \lor e_{1,3}$$

3911. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

3912. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$3913. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3914. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3915. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3916. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3917. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3918. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3919. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3920. \ \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3921. \ e_{1,2} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

$$3922. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$3923. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

3924. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

3925. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3926. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3927. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3928. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3929. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

3930. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

3931. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

3932. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

3933. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3934. \ e_{1,3} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}$$

$$3935. \ e_{1,3} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}$$

3936. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3937. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

3938. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$3939. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$3940. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

3941. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3942. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$3943. \ e_{1,3} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor t_{\lnot e_{1,2}, e_{1,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,2}, e_{1,3}}$$

$$3944. \ e_{1,3} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \, e_{1,3}}$$

$$3945. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3946. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3947. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3948. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg$$

$$3949. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3950. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3951. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3952. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3953. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$3954. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$3955. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$3956. \ \ e_{1,3} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor e_{2,3} \lor \lnot t_{\lnot e_{1,3}, e_{2,3}} \vdash \lnot t_{\lnot e_{1,3}, e_{2,3}} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor e_{2,3}$$

3957. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3958. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3959. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3960. \ e_{1,3} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor t_{e_{1,3}, \lnot e_{2,3}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}$$

3961. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$3962. \ e_{1,3} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

3963. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$3964. \ e_{1,3} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor t_{e_{1,3}, \, e_{2,3}} \vdash t_{\lnot e_{1,2}, \, \lnot e_{1,3}} \lor t_{e_{1,3}, \, e_{2,3}}$$

$$3965. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{e_{1$$

3966. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$3967. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1$$

$$3968. \ e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5},\, \neg e_{1,6}}, e_{1,6} \vee t_{e_{1,2},\, e_{1,3}} \vdash e_{1,5} \vee t_{e_{1,2},\, e_{1,3}} \vee \neg t_{e_{1,5},\, \neg e_{1,6}}$$

$$3969. \ e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,5} \vee t_{e_{1,2},\, e_{1,3}} \vdash \neg e_{1,6} \vee t_{e_{1,2},\, e_{1,3}} \vee \neg t_{e_{1,5},\, \neg e_{1,6}}$$

$$3970. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,5}, \neg e_{1,6}}, e$$

$$3971. \ e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5},\, \neg e_{1,6}}, \neg e_{1,4} \vee t_{e_{1,2},\, e_{1,3}} \vee t_{e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \vee e_{1,5} \vee \neg e_{1,6} \vee \neg e_{1,$$

$$3972. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3973. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3974. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg e_{1,6} \lor e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3975. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_$$

$$3976. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3977. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1$$

$$3978. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3979. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,6}, \neg e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{1,6}$$

3980. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$3981. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,4}$$

$$3982. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_$$

3983. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}}, \neg e_{1,6}, \neg e_{1,5} \lor t_{\neg e_{1,2}}, e_{1,3} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}}, e_{1,3} \lor \neg t_{e_{1,5}}, \neg e_{1,6}$$

$$3984. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1$$

$$3985. \ e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5},\, \neg e_{1,6}}, e_{1,6} \vee t_{\neg e_{1,2},\, e_{1,3}} \vdash e_{1,5} \vee t_{\neg e_{1,2},\, e_{1,3}} \vee \neg t_{e_{1,5},\, \neg e_{1,6}}$$

$$3986. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_$$

$$3987. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3988. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1$$

$$3989. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3990. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3991. 
$$e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3992. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{1,4}$$

$$3993. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$3994. \ \ e_{1,5} \lor \lnot e_{1,6} \lor \lnot t_{e_{1,5}, \lnot e_{1,6}}, \lnot e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash \lnot e_{1,6} \lor \lnot t_{e_{1,5}, \lnot e_{1,6}} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$3995. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$3996. \ \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$3997. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$3998. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$3999. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$4000. \ \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$4001. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$4002. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$4003. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$4004. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$4005. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$4006. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$4007. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$4008. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$4009. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4010. \ e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5}, \, \neg e_{1,6}}, e_{1,6} \vee t_{\neg e_{1,6}, \, \neg e_{2,6}} \vdash e_{1,5} \vee \neg t_{e_{1,5}, \, \neg e_{1,6}} \vee t_{\neg e_{1,6}, \, \neg e_{2,6}}$$

$$4011. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4012. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4013. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{$$

$$4014. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$4015. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$4016. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{2,6} \lor \neg t_{e_{1,$$

$$4017. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$4018. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$4019. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$4020. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$4021. \ e_{1,5} \vee \neg e_{1,6} \vee \neg t_{e_{1,5}, \, \neg e_{1,6}}, e_{1,6} \vee e_{2,6} \vee \neg t_{e_{1,6}, \, e_{2,6}} \vdash e_{1,5} \vee \neg t_{e_{1,6}, \, e_{2,6}} \vee \neg t_{e_{1,5}, \, \neg e_{1,6}} \vee e_{2,6}$$

$$4022. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor e_{2,6}$$

$$4023. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor e_{2,6}$$

$$4024. \ e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor e_{2,6}$$

$$4025. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

4026. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4027. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$4028. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}, e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$4029. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4030. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4031. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4032. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4033. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

4034. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4035. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4036. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$4037. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, \, e_{1,6}} \vdash \neg t_{e_{1,5}, \, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

4038. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4039. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4040. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4041. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$4042. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$4043. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

4044. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

4045. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4046. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4047. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4048. 
$$\neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4049. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$4050. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$4051. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$4052. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4053. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4054. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \vdash \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$4055. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \vdash \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$4056. \ \, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \vdash \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

4057. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4058. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$4059. \ e_{1,6} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

4060. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4061. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4062. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4063. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4064. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

4065. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4066. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4067. \ e_{1,6} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,6} \lor t_{\lnot e_{1,2}, e_{1,3}} \vdash t_{\lnot e_{1,2}, e_{1,3}} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}$$

$$4068. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

4069. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4070. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$4071. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4072. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4073. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6}$$

$$4074. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6}$$

$$4075. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6}$$

$$4076. \ \ e_{1,6} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,6} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{1,6}, \lnot e_{2,6}} \vdash \lnot t_{\lnot e_{1,6}, \lnot e_{2,6}} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor \lnot e_{2,6}$$

$$4077. \ e_{1,6} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, \, e_{2,6}}$$

$$4078. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

$$4079. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

$$4080. \ e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

4081. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4082. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4083. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4084. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4085. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4086. \ e_{1,6} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,6} \lor t_{e_{1,6}, \, e_{2,6}} \vdash t_{e_{1,6}, \, e_{2,6}} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}$$

4087. 
$$e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4088. \ e_{1,6} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,6} \lor t_{e_{1,6}, \, e_{2,6}} \vdash t_{e_{1,6}, \, e_{2,6}} \lor t_{\lnot e_{1,2}, \, \lnot e_{1,3}}$$

$$4089. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor$$

$$4090. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor$$

$$4091. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4092. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,$$

$$4093. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4094. \ \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4095. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}$$

$$4096. \ \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4097. \ \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4098. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4099. \ \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4100. \ \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4101. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4102. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4103. 
$$\neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4104. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4105. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,$$

$$4106. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor \neg e_{2,4} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, \neg e_$$

$$4107. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,$$

$$4108. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor \neg e_{2,4} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \lor \neg e_{2,4} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{$$

$$4109. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4} \lor e_{2,4$$

$$4110. \ \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4} \lor e$$

$$4111. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4} \lor e_{2,4}$$

$$4112. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4} \lor e_{2,4}$$

$$4113. \ \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,2}} \lor \neg t_$$

$$4114. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4115. \ \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,2}} \lor \neg t_$$

$$4116. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4117. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg$$

$$4118. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4119. \ \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg e_{1,2}} \lor \neg t_$$

$$4120. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4121. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg$$

$$4122. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4123. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$4124. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee \neg t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{\neg e$$

$$4125. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg$$

$$4126. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,4} \lor \neg t_{\neg e_{1,2}, \neg$$

$$4127. \ \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_$$

$$4128. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,3} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4129. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor \neg e_{1,5}$$

$$4130. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee \neg e_{1,6}$$

$$4131. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor t_{e_{1,5}, e_{1,6}} \lor e_{1,4}$$

$$4132. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \vee e_{1,5} \vee \neg e_{1,3}$$

4133. 
$$\neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor e_{1,6}$$

$$4134. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,4} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee t_{\neg e_{1,5}, \neg e_{1,6}} \vee e_{1,4}$$

$$4135. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor \neg e_{1,5}$$

$$4136. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee e_{1,6}$$

$$4137. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,4} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee t_{e_{1,5}, \neg e_{1,6}} \vee \neg e_{1,4} \vee t_{\neg e_{1,4}, \neg e_{1,5}, \neg e_{1,6}} \vee \neg e_{1,4} \vee t_{\neg e_{1,5}, \neg e_{1,6}} \vee \neg e_{1,5} \vee \neg e$$

$$4138. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2},\, \neg e_{1,3}}, e_{1,5} \vee t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,2} \vee e_{1,5} \vee \neg e_{1,3}$$

4139. 
$$\neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor \neg e_{1,6}$$

$$4140. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor t_{\neg e_{1,5}, e_{1,6}} \lor \neg e_{1,4} \lor \neg e_{1,4} \lor \neg e_{1,5}, \neg e_{1,6} \lor \neg e_{1,5}, \neg e_{1,6} \lor \neg e_{1,6}$$

$$4141. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4142. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4143. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4144. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4145. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,2}, e_{2,3}}$$

$$4146. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4147. \ \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4148. \ \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4149. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee \neg e_{2,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2$$

$$4150. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee \neg e_{2,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}$$

$$4151. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee \neg e_{2,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}$$

$$4152. \ \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3}$$

$$4153. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee e_{2,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,3}$$

$$4154. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$4155. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee e_{2,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,3}$$

$$4156. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \vee e_{2,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,3}$$

$$4157. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4158. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,$$

$$4159. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg$$

$$4160. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg$$

$$4161. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,3}, e_{2,3}}$$

$$4162. \ \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$4163. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$4164. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$4165. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee \neg e_$$

$$4166. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_$$

$$4167. \ \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_$$

$$4168. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee \neg e_$$

$$4169. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{2,3}$$

$$4170. \ \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

$$4171. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{2,3}$$

$$4172. \ \, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{2,3}$$

4173. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4174. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4175. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4176. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4177. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4178. \ e_{1,2} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

4179. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4180. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4181. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

4182. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$4183. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$4184. \ e_{1,2} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{1,3}$$

$$4185. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4186. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4187. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4188. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4189. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4190. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4191. \ \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4192. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4193. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

4194. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$4195. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$4196. \ \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

4197. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4198. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4199. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4200. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4201. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4202. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4203. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$4204. \ e_{1,2} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4205. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4206. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4207. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4208. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4209. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$4210. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$4211. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$4212. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{1,2}$$

$$4213. \ e_{1,3} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor t_{\lnot e_{1,2}, e_{1,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,2}, e_{1,3}}$$

$$4214. \ e_{1,3} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor t_{\lnot e_{1,2}, e_{1,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,2}, e_{1,3}}$$

4215. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4216. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$4217. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4218. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4219. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4220. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4221. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4222. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{2,3} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{2,3} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{2,3} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{2,3} \lor \neg$$

4223. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4224. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4225. \ e_{1,3} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,3}$$

$$4226. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

4227. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

$$4228. \ e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,3}$$

4229. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4230. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4231. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4232. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4233. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$4234. \ e_{1,3} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

4235. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

4236. 
$$e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$4237. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor e_{1$$

4238. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}}$$

$$4239. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor$$

$$4240. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

4241. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

$$4242. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$4243. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor e_{1,6} \lor \neg e_{1,4} \lor e_{1,6} \lor \neg e_{1,4} \lor e_{1,6} \lor \neg e_{1,6$$

4244. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4245. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$4246. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg e_{1,5} \lor e_{1,6} \lor e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$4247. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$4248. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$4249. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor$$

$$4250. \ \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}}, e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$4251. \ \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6}$$

$$4252. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$4253. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor e_{1,6} \lor e_{1,4}$$

$$4254. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor e_{1$$

$$4255. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$4256. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor$$

$$4257. \ \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$4258. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor e_{1$$

$$4259. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$4260. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg$$

$$4261. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$4262. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$4263. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$4264. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg e_{1,5} \lor e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor \neg e_{1,4} \lor e_{1,4} \lor e_{1,5} \lor e_{1,6} \lor e_{1,6$$

$$4265. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$4266. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$4267. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$4268. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

$$4269. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$4270. \ \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4271. \ \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$4272. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$4273. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}}$$

$$4274. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{$$

$$4275. \ \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$4276. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{$$

$$4277. \ \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$4278. \ \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$4279. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$4280. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$4281. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \lor$$

$$4282. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \lor$$

$$4283. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \lor$$

$$4284. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{2,6} \lor$$

$$4285. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,6$$

$$4286. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e$$

$$4287. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e$$

$$4288. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{2,6} \lor \neg t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e$$

$$4289. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

4290. 
$$\neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, e_{1,6}}$$

$$4291. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$4292. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}$$

$$4293. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,6},\, e_{2,6}}$$

$$4294. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,6},\, e_{2,6}}$$

$$4295. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,6},\, e_{2,6}}$$

$$4296. \ \, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}}, \neg e_{1,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \lor t_{e_{1,6},\, e_{2,6}}$$

4297. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4298. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$4299. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4300. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4301. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4302. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4303. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4304. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

4305. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$4306. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4307. \ e_{1,5} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor t_{\lnot e_{1,2}, e_{1,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,2}, e_{1,3}}$$

$$4308. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

4309. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4310. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

4311. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4312. \ \ e_{1,5} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}, \lnot e_{1,5} \lor e_{1,6} \lor \lnot t_{\lnot e_{1,5}, \, e_{1,6}} \vdash \lnot t_{\lnot e_{1,5}, \, e_{1,6}} \lor e_{1,6} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}}$$

$$4313. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$4314. \ \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$4315. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$4316. \ \ e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

4317. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4318. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4319. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4320. \ e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4321. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4322. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4323. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4324. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4325. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

4326. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

4327. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

4328. 
$$e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4329. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$4330. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}, e_{1,6} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

4331. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4332. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4333. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4334. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4335. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4336. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4337. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$4338. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4339. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4340. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

4341. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4342. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}}$$

4343. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4344. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4345. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

4346. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4347. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}}$$

4348. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4349. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$4350. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \, e_{2,6}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4351. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, \, e_{2,6}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

4352. 
$$\neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4353. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6}$$

$$4354. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6}$$

$$4355. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6}$$

$$4356. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,6}$$

$$4357. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, \, e_{2,6}} \vdash \neg t_{e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}$$

$$4358. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, \, e_{2,6}} \vdash \neg t_{e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}$$

$$4359. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor e_{2,6}$$

$$4360. \ \, \neg e_{1,6} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, \, e_{2,6}} \vdash \neg t_{e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor e_{2,6}$$

$$4361. \ \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,5}, e_{1,$$

$$4362. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor$$

$$4363. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,$$

$$4364. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,$$

$$4365. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4366. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4367. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}$$

$$4368. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4369. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4370. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4371. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4372. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4373. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4374. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4375. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4376. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4377. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,$$

$$4378. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,$$

$$4379. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, \neg e_$$

$$4380. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, \neg e_$$

$$4381. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}} \vdash t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4} \lor e_{2,4}$$

$$4382. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}} \vdash t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4} \lor e_{2,4}$$

$$4383. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}} \vdash t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4} \lor e_{2,4}$$

$$4384. \ \, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}} \vdash t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4} \lor e_{2,4}$$

$$4385. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \vee e_{1,3} \vee \neg t_{e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,2}, e_{1,3}} \vee e_{1,3}$$

$$4386. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$4387. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \vee e_{1,3} \vee \neg t_{e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,2}, e_{1,3}} \vee e_{1,3}$$

$$4388. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\, \neg e_{2,3}}, e_{1,2} \vee e_{1,3} \vee \neg t_{e_{1,2},\, e_{1,3}} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vee \neg t_{e_{1,2},\, e_{1,3}} \vee e_{1,3}$$

$$4389. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}}$$

$$4390. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg$$

$$4391. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,2}, \neg$$

$$4392. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg$$

$$4393. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4394. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4395. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \vee t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4396. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4397. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4398. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4399. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4400. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4401. 
$$\neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor e_{2,5}$$

$$4402. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\, \neg e_{2,3}}, e_{2,6} \vee t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg e_{2,3} \vee e_{2,6}$$

$$4403. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,4} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{2,5}, \neg e_{2,6}} \vdash \neg e_{1,2} \vee \neg e_{2,3} \vee \neg e_{2,4} \vee t_{\neg e_{2,5}, \neg e_{2,6}}$$

$$4404. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\, \neg e_{2,3}}, \neg e_{2,5} \vee t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg e_{2,3} \vee \neg e_{2,5}$$

$$4405. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor \neg e_{2,6}$$

$$4406. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor \neg e_{2,4} \lor t_{e_{2,5}, e_{2,6}} \lor \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,5} \lor \neg e_{2,4} \lor \neg e_{2,5} \lor \neg e_{2,5}$$

$$4407. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \, \neg e_{2,3}}, e_{2,5} \vee t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg e_{2,3} \vee e_{2,5}$$

$$4408. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,6} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg e_{2,3} \vee \neg e_{2,6}$$

$$4409. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,4}$$

$$4410. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor \neg e_{2,5}$$

$$4411. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,6} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg e_{2,3} \vee e_{2,6}$$

$$4412. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash \neg e_{1,2} \lor t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,3} \lor e_{2,4}$$

$$4413. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg$$

$$4414. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4415. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \vee e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, e_{2,3}} \vee \neg$$

$$4416. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4417. \ \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_$$

$$4418. \ \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4419. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg$$

$$4420. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4421. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e$$

$$4422. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_$$

$$4423. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e$$

$$4424. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_$$

$$4425. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e$$

$$4426. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$4427. \ \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1$$

$$4428. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_$$

$$4429. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_$$

$$4430. \ \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4431. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4432. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_$$

$$4433. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}$$

$$4434. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{1,4} \lor \neg e_{$$

$$4435. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \vee e_{2,3} \vee \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,3}, e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}$$

$$4436. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor \neg e_{$$

$$4437. \ \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4438. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}},$$

$$4439. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4440. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3},$$

$$4441. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$4442. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{1,3}$$

$$4443. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$4444. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$4445. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4446. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4447. \ e_{1,2} \vee t_{\neg e_{1,2}, \, \neg e_{2,3}}, \neg e_{1,2} \vee t_{e_{1,2}, \, e_{1,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \vee t_{\neg e_{1,2}, \, \neg e_{2,3}}$$

4448. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4449. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4450. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4451. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4452. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4453. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$4454. \ \ e_{1,2} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{1,3}$$

$$4455. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$4456. \ \ e_{1,2} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{1,3}$$

$$4457. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4458. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4459. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4460. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4461. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg$$

$$4462. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg$$

$$4463. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg$$

$$4464. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4465. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

$$4466. \ \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

$$4467. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

$$4468. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

4469. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4470. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4471. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4472. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4473. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$4474. \ e_{1,2} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}}, \lnot e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4475. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4476. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$4477. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg$$

$$4478. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg$$

$$4479. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4480. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg$$

4481. 
$$e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4482. \ e_{2,3} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}}, \lnot e_{2,3} \lor t_{\lnot e_{1,2}, e_{2,3}} \vdash t_{\lnot e_{1,2}, e_{2,3}} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}}$$

4483. 
$$e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4484. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4485. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

$$4486. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

$$4487. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

$$4488. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

4489. 
$$e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4490. 
$$e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4491. 
$$e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$4492. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$4493. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4494. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg$$

$$4495. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg$$

$$4496. \ \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2},$$

4497. 
$$e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4498. 
$$e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4499. 
$$e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4500. 
$$e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$4501. \ \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$4502. \ \ e_{2,3} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3}$$

$$4503. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$4504. \ \ e_{2,3} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{1,3}$$

$$4505. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4506. \ \ e_{2,3} \lor t_{\lnot e_{1,2},\,\lnot e_{2,3}}, \lnot e_{2,3} \lor t_{e_{1,3},\,e_{2,3}} \vdash t_{e_{1,3},\,e_{2,3}} \lor t_{\lnot e_{1,2},\,\lnot e_{2,3}}$$

$$4507. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4508. 
$$e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4509. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6}$$

$$4510. \ \, \neg e_{2,5} \vee \neg e_{2,6} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,6} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,5}$$

$$4511. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \lor \neg e_{2,6} \lor \neg e_$$

$$4512. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor \neg$$

$$4513. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6}$$

$$4514. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$4515. \ \, \neg e_{2,5} \vee \neg e_{2,6} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,6} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,5}$$

$$4516. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor \neg$$

$$4517. \ \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6}$$

$$4518. \ \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg t_$$

$$4519. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4520. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6}$$

$$4521. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4522. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,6} \lor e_{2,4}$$

$$4523. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor \neg$$

$$4524. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6}$$

$$4525. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg$$

$$4526. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,6} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5}$$

$$4527. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6}$$

$$4528. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,6} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5}$$

$$4529. \ \, \neg e_{2,5} \vee \neg e_{2,6} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,4} \vee t_{e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,5} \vee \neg e_{2,6} \vee e_{2,4}$$

$$4530. \ \, \neg e_{2,5} \vee \neg e_{2,6} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,5} \vee t_{e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee t_{e_{1,2}, e_{2,3}} \vee \neg e_{2,6}$$

$$4531. \ \, \neg e_{2,5} \vee \neg e_{2,6} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,6} \vee t_{e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee t_{e_{1,2}, e_{2,3}} \vee \neg e_{2,5}$$

$$4532. \ \, \neg e_{2,5} \vee \neg e_{2,6} \vee \neg t_{\neg e_{2,5}, \, \neg e_{2,6}}, \neg e_{2,4} \vee t_{e_{1,2}, \, e_{2,3}} \vee t_{\neg e_{2,5}, \, \neg e_{2,6}} \vdash \neg e_{2,4} \vee t_{e_{1,2}, \, e_{2,3}} \vee \neg e_{2,5} \vee \neg e_{2,6} \vee \neg e_$$

$$4533. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor \neg$$

$$4534. \ \, \neg e_{2,5} \vee \neg e_{2,6} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,5} \vee t_{e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee t_{e_{1,2}, e_{2,3}} \vee \neg e_{2,6}$$

$$4535. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg$$

$$4536. \ \, \neg e_{2,5} \vee \neg e_{2,6} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,6} \vee t_{e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee t_{e_{1,2}, e_{2,3}} \vee \neg e_{2,5}$$

$$4537. \ \, \neg e_{2,5} \vee \neg e_{2,6} \vee \neg t_{\neg e_{2,5}, \, \neg e_{2,6}}, e_{2,5} \vee t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \vee \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \vee \neg e_{2,6} \vee \neg e_{2,6$$

$$4538. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}}, e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,6$$

$$4539. \ \, \neg e_{2,5} \vee \neg e_{2,6} \vee \neg t_{\neg e_{2,5}, \, \neg e_{2,6}}, e_{2,5} \vee t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \vee \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \vee \neg e_{2,6} \vee \neg e_{2,6$$

$$4540. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6}$$

$$4541. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}$$

$$4542. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}$$

$$4543. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg e_{2,6}$$

$$4544. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg e_{2,6}$$

$$4545. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6}$$

$$4546. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,6$$

$$4547. \ \, \neg e_{2,5} \vee \neg e_{2,6} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,5} \vee t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee \neg e_{2,6} \vee \neg e_{2,6$$

$$4548. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6}$$

$$4549. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg t_{e_{2,5}, \neg e_{2,6}}$$

$$4550. \ \, \neg e_{2,5} \vee \neg e_{2,6} \vee \neg t_{\neg e_{2,5},\, \neg e_{2,6}}, e_{1,5} \vee e_{2,5} \vee \neg t_{e_{1,5},\, e_{2,5}} \vdash e_{1,5} \vee \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \vee \neg t_{e_{1,5},\, e_{2,5}} \vee \neg e_{2,6} \vee \neg$$

$$4551. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,6} \lor$$

$$4552. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,6} \lor$$

$$4553. \ \, \neg e_{2,5} \vee \neg e_{2,6} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,6} \vee t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee t_{\neg e_{1,6}, \neg e_{2,6}} \vee \neg e_{2,5}$$

$$4554. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,5}$$

$$4555. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,5}$$

$$4556. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor \neg e_{2,5}$$

$$4557. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$4558. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$4559. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$4560. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$4561. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,5}$$

$$4562. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,5}$$

$$4563. \ \, \neg e_{2,5} \vee \neg e_{2,6} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,6} \vee t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee \neg e_{2,5}$$

$$4564. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,5}$$

$$4565. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, \, e_{2,6}} \vdash \neg t_{e_{1,6}, \, e_{2,6}} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor e_{1,6} \lor \neg e_{2,5}$$

$$4566. \ \, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor e_{1,6} \lor \neg e_{2,5}$$

$$4567. \ \, \neg e_{2,5} \vee \neg e_{2,6} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{1,6} \vee e_{2,6} \vee \neg t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{1,6}, e_{2,6}} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee e_{1,6} \vee \neg e_{2,5}$$

$$4568. \ \, \neg e_{2,5} \vee \neg e_{2,6} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}}, e_{1,6} \vee e_{2,6} \vee \neg t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{1,6}, e_{2,6}} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee e_{1,6} \vee \neg e_{2,5}$$

$$4569. \ e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6}$$

4570. 
$$e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4571. \ e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,6}$$

4572. 
$$e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4573. \ e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,6}$$

4574. 
$$e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4575. \ e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6}$$

$$4576. \ e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, e_{2,3}}$$

$$4577. \ e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,6}$$

4578. 
$$e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$4579. \ e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6}$$

4580. 
$$e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$4581. \ e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6}$$

4582. 
$$e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$4583. \ \ e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, \, e_{2,6}} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{2,5}, \, e_{2,6}} \lor e_{2,6}$$

4584. 
$$e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$4585. \ e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,$$

$$4586. \ e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$4587. \ e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$4588. \ e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

4589. 
$$e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4590. 
$$e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4591. 
$$e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4592. 
$$e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4593. \ e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4594. \ e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4595. \ e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4596. \ e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

4597. 
$$e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,5}, e_{2,5}}$$

4598. 
$$e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4599. \ \ e_{2,5} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}}, \lnot e_{2,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash t_{\lnot e_{1,2}, \, \lnot e_{2,3}} \lor t_{e_{1,5}, \, e_{2,5}}$$

4600. 
$$e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4601. \ \ e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5}$$

4602. 
$$e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}}$$

4603. 
$$e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4604. \ \ e_{2,6} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \vdash e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}}$$

4605. 
$$e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4606. \ \ e_{2,6} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}}, e_{2,5} \lor \lnot e_{2,6} \lor \lnot t_{e_{2,5}, \lnot e_{2,6}} \vdash e_{2,5} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor \lnot t_{e_{2,5}, \lnot e_{2,6}}$$

$$4607. \ e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5}$$

$$4608. \ e_{2,6} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}}, \lnot e_{2,6} \lor t_{\lnot e_{1,2}, e_{2,3}} \vdash t_{\lnot e_{1,2}, e_{2,3}} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}}$$

4609. 
$$e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$4610. \ \ e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{2,5}, \neg e_{2,6}}$$

$$4611. \ e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5}$$

4612. 
$$e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$4613. \ e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vdash \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5}$$

4614. 
$$e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,6} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4615. 
$$e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,6} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$4616. \ \ e_{2,6} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \vdash e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}}$$

$$4617. \ e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4618. \ e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4619. 
$$e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4620. \ e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4621. 
$$e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4622. 
$$e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4623. 
$$e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4624. \ e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4625. \ e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4626. \ e_{2,6} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}$$

$$4627. \ e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4628. \ e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \lor e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4629. 
$$e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,6}, e_{2,6}}$$

4630. 
$$e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,6}, e_{2,6}}$$

4631. 
$$e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,6}, e_{2,6}}$$

4632. 
$$e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,6}, e_{2,6}}$$

$$4633. \ \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}$$

$$4634. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{2,5}, \neg e_$$

$$4635. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_$$

$$4636. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{$$

$$4637. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{2,5}, \neg e_$$

$$4638. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,6} \lor t_{e_{2,5}, \neg e_{2,6}} \lor$$

$$4639. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor$$

$$4640. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor$$

$$4641. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4642. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4643. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4644. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4645. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \, \neg e_{2,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor \neg e_{2,5}, \neg e_{2,6} \lor \neg e_{2,5}, \neg e_{2,6} \lor \neg e_{2,5}, \neg e_{2,6} \lor \neg e_{2,$$

$$4646. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor \neg e_$$

$$4647. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \, \neg e_{2,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor \neg e_{2,5}, \neg e_{2,6} \lor \neg e_{2,5}, \neg e_{2,6} \lor \neg e_{2,5}, \neg e_{2,6} \lor \neg e_{2,6} \lor \neg e_{2,6} \lor \neg e_{2,6}, \neg e_{2,6}, \neg e_{2,6} \lor \neg$$

$$4648. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor \neg e_$$

$$4649. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1$$

$$4650. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1$$

$$4651. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1$$

$$4652. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{2,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1$$

$$4653. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{1,4}$$

$$4654. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{1,4} \lor e_{1,4} \lor e_{2,4} \lor e_{2$$

$$4655. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{1,4}$$

$$4656. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{1,4}$$

$$4657. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \vee e_{1,3} \vee \neg t_{e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,2}, e_{1,3}} \vee e_{1,3}$$

$$4658. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \vee e_{1,3} \vee \neg t_{e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,2}, e_{1,3}} \vee e_{1,3}$$

$$4659. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$4660. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$4661. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3} \lor \neg e_$$

$$4662. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3} \lor \neg e_{2,4} \lor \neg e_$$

$$4663. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3} \lor \neg e_$$

$$4664. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3} \lor \neg e_$$

$$4665. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor$$

$$4666. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4667. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4668. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4669. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4670. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4671. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4672. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4673. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\, \neg e_{2,3}}, e_{2,5} \vee t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg e_{2,3} \vee e_{2,5}$$

$$4674. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \, \neg e_{2,3}}, e_{2,6} \vee t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg e_{2,3} \vee e_{2,6}$$

$$4675. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor \neg e_{2,4} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,$$

$$4676. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg e_{2,3} \vee \neg e_{2,5}$$

$$4677. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,6} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg e_{2,3} \vee \neg e_{2,6}$$

$$4678. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,4} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{e_{2,5}, e_{2,6}} \vdash \neg e_{1,2} \vee \neg e_{2,3} \vee \neg e_{2,4} \vee t_{e_{2,5}, e_{2,6}} \vee r_{2,4} \vee t_{e_{2,5}, e_{2,6}} \vee r_{2,4} \vee r_{2,5} \vee r_{2,6} \vee r_{2,6}$$

$$4679. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg e_{2,3} \vee e_{2,5}$$

$$4680. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor \neg e_{2,6}$$

$$4681. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,4}$$

$$4682. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor \neg e_{2,5}$$

$$4683. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor e_{2,6}$$

$$4684. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash \neg e_{1,2} \lor t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,3} \lor e_{2,4} \lor e_{2,4} \lor e_{2,5}, \neg e_{2,6} \lor \neg e_{$$

$$4685. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg$$

$$4686. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4687. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg$$

$$4688. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg$$

$$4689. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg$$

$$4690. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4691. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg$$

$$4692. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,3} \lor \neg e_{2,3$$

$$4693. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e$$

$$4694. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_$$

$$4695. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e$$

$$4696. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$4697. \ \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1$$

$$4698. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_$$

$$4699. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e$$

$$4700. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$4701. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4702. \ \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,$$

$$4703. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3$$

$$4704. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2$$

$$4705. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4706. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4707. \ \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4708. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4709. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \vee t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4710. \ \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4711. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}},$$

$$4712. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4713. \ \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$4714. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$4715. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{1,3}$$

$$4716. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{1,3}$$

4717. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4718. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4719. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4720. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4721. \ e_{1,2} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}}, \lnot e_{1,2} \lor t_{e_{1,2}, \lnot e_{1,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

4722. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4723. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4724. \ e_{1,2} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}}, \lnot e_{1,2} \lor t_{e_{1,2}, \lnot e_{1,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$4725. \ \ e_{1,2} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \lor e_{1,3}$$

$$4726. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$4727. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$4728. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \lor e_{1,3}$$

$$4729. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4730. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4731. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4732. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4733. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg$$

$$4734. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4735. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg$$

$$4736. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg$$

$$4737. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

$$4738. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

$$4739. \ e_{1,2} \vee t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \vee e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee e_{2,3}$$

4740. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,3}$$

$$4741. \ e_{1,2} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}$$

4742. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4743. \ e_{1,2} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}}, \lnot e_{1,2} \lor t_{e_{1,2}, \lnot e_{2,3}} \vdash t_{e_{1,2}, \lnot e_{2,3}} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}}$$

4744. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4745. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4746. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4747. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4748. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4749. 
$$e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4750. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg$$

$$4751. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg$$

$$4752. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg$$

4753. 
$$e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4754. \ e_{2,3} \lor t_{\neg e_{1,2},\, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}}$$

$$4755. \ e_{2,3} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}}, \lnot e_{2,3} \lor t_{\lnot e_{1,2}, e_{2,3}} \vdash t_{\lnot e_{1,2}, e_{2,3}} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}}$$

4756. 
$$e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4757. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

$$4758. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,2}$$

$$4759. \ \ e_{2,3} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{1,2}$$

$$4760. \ \ e_{2,3} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{1,2}$$

$$4761. \ e_{2,3} \lor t_{\neg e_{1,2},\, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}}$$

4762. 
$$e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4763. 
$$e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4764. 
$$e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$4765. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg$$

$$4766. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg$$

$$4767. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg$$

$$4768. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg$$

4769. 
$$e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$4770. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4771. 
$$e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

4772. 
$$e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$4773. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$4774. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$4775. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$4776. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$4777. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4778. \ e_{2,3} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}}, \lnot e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}}$$

$$4779. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4780. \ e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4781. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\,e_{2,6}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \vdash \neg t_{e_{2,5},\,e_{2,6}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{2,6}$$

$$4782. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, \neg e_{2,6} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{2,5},\, e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{2,5}$$

$$4783. \ \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\,e_{2,6}}, \neg e_{2,4} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor t_{e_{2,5},\,e_{2,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{2,5} \lor e_{2,6}$$

$$4784. \ \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg t_{e_{2,5},\, e_{2,6}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6} \lor e_{2,$$

$$4785. \ \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, \neg e_{2,6} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{2,5},\, e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{2,5}$$

$$4786. \ \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash \neg t_{e_{2,5},\, e_{2,6}} \lor e_{2,5} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \lor e_{2,5} \lor e_{2,6} \lor e_{2,5} \lor e_{2,5} \lor e_{2,5} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \lor e_{2,5} \lor e_{$$

$$4787. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\,e_{2,6}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \vdash \neg t_{e_{2,5},\,e_{2,6}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{2,6}$$

$$4788. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\,e_{2,6}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\,e_{2,6}} \vdash \neg t_{e_{2,5},\,e_{2,6}} \lor \neg t_{\neg e_{2,5},\,e_{2,6}} \lor e_{2,6} \lor e$$

$$4789. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, \neg e_{2,6} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{2,5},\, e_{2,6}} \lor e_{2,5} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$4790. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\,e_{2,6}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\,\neg e_{2,6}} \vdash \neg t_{e_{2,5},\,e_{2,6}} \lor e_{2,5} \lor \neg t_{e_{2,5},\,\neg e_{2,6}}$$

4791. 
$$e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{2,6}$$

$$4792. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{2,5},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor e_{2,6}$$

$$4793. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, \neg e_{2,6} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{2,5},\, e_{2,6}} \lor e_{2,5} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$4794. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, \, e_{2,6}}, e_{2,4} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{e_{2,5}, \, e_{2,6}} \vdash e_{2,5} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor e_{2,6} \lor e_{2,4}$$

$$4795. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\,e_{2,6}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\,e_{2,6}} \vdash \neg t_{e_{2,5},\,e_{2,6}} \lor \neg t_{\neg e_{2,5},\,e_{2,6}} \lor e_{2,6} \lor e$$

$$4796. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\,e_{2,6}}, \neg e_{2,6} \lor t_{e_{1,2},\,\neg e_{2,3}} \vdash \neg t_{e_{2,5},\,e_{2,6}} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor e_{2,5}$$

$$4797. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash \neg t_{e_{2,5},\, e_{2,6}} \lor e_{2,5} \lor \neg t_{e_{2,5},\, \neg e_{2,6}}$$

$$4798. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, \neg e_{2,5} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{2,5},\, e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor e_{2,6}$$

$$4799. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, \, e_{2,6}}, \neg e_{2,5} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{e_{2,5}, \, e_{2,6}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,6}$$

4800. 
$$e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}}, \neg e_{2,6} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{2,5}$$

$$4801. \ \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, \, e_{2,6}}, e_{2,4} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{2,5}, \, e_{2,6}} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,5} \lor e_{2,6} \lor e_{2,4}$$

$$4802. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, \neg e_{2,5} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{2,5},\, e_{2,6}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{2,6}$$

$$4803. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, \neg e_{2,6} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{2,5},\, e_{2,6}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{2,5}$$

$$4804. \ \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, \neg e_{2,4} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{2,5},\, e_{2,6}} \vdash \neg e_{2,4} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{2,5} \lor e_{2,6}$$

$$4805. \ \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg t_{e_{2,5},\, e_{2,6}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6} \lor e_{2,$$

$$4806. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, \neg e_{2,6} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{2,5},\, e_{2,6}} \lor t_{e_{1,2},\, e_{2,3}} \lor e_{2,5}$$

$$4807. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash \neg t_{e_{2,5},\, e_{2,6}} \lor e_{2,5} \lor \neg t_{e_{2,5},\, \neg e_{2,6}}$$

$$4808. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\,e_{2,6}}, \neg e_{2,5} \lor t_{e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{2,5},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}} \lor e_{2,6}$$

$$4809. \ \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, \, e_{2,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{e_{2,5}, \, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor e_{2,6}$$

$$4810. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\,e_{2,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{e_{2,5},\,e_{2,6}} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \lor e_{2,6}$$

$$4811. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\,e_{2,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{e_{2,5},\,e_{2,6}} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \lor e_{2,6}$$

$$4812. \ \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, \, e_{2,6}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{e_{2,5}, \, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor e_{2,6}$$

$$4813. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, e_{2,6}} \lor e_{2,6}$$

$$4814. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\,e_{2,6}}, \neg e_{2,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \vdash t_{\neg e_{1,5},\,e_{2,5}} \lor \neg t_{e_{2,5},\,e_{2,6}} \lor e_{2,6}$$

4815. 
$$e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\,e_{2,6}}, \neg e_{2,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \vdash t_{\neg e_{1,5},\,e_{2,5}} \lor \neg t_{e_{2,5},\,e_{2,6}} \lor e_{2,6}$$

$$4816. \ \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, \, e_{2,6}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{e_{2,5}, \, e_{2,6}} \lor e_{2,6}$$

$$4817. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\,e_{2,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{2,5},\,e_{2,6}} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \lor e_{2,6}$$

$$4818. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\,e_{2,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{2,5},\,e_{2,6}} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \lor e_{2,6}$$

$$4819. \ \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{2,5},\, e_{2,6}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{2,6}$$

$$4820. \ \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{2,5},\, e_{2,6}} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \lor e_{2,6}$$

4821. 
$$e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{2,5}, e_{2,6}} \lor e_{2,6}$$

4822. 
$$e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{2,5}, e_{2,6}} \lor e_{2,6}$$

$$4823. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, \neg e_{2,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, e_{2,6}} \lor e_{2,6}$$

$$4824. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{2,5}, e_{2,6}} \lor e_{2,6}$$

$$4825. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\,e_{2,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{2,5},\,e_{2,6}} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \lor e_{2,5}$$

$$4826. \ \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{2,5},\, e_{2,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{2,5}$$

$$4827. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\,e_{2,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{2,5},\,e_{2,6}} \lor \neg t_{\neg e_{1,6},\,\neg e_{2,6}} \lor e_{2,5}$$

$$4828. \ \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, \neg e_{1,6} \lor \neg e_{2,6} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{2,5},\, e_{2,6}} \lor \neg t_{\neg e_{1,6},\, \neg e_{2,6}} \lor e_{2,5}$$

$$4829. \ \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, \, e_{2,6}}, \neg e_{2,6} \lor t_{\neg e_{1,6}, \, e_{2,6}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor \neg t_{e_{2,5}, \, e_{2,6}} \lor e_{2,5}$$

$$4830. \ \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, \neg e_{2,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{e_{2,5},\, e_{2,6}} \lor e_{2,5}$$

$$4831. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, \neg e_{2,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{e_{2,5},\, e_{2,6}} \lor e_{2,5}$$

$$4832. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, \neg e_{2,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{e_{2,5},\, e_{2,6}} \lor e_{2,5}$$

$$4833. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\,e_{2,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \vdash \neg t_{e_{2,5},\,e_{2,6}} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \lor e_{1,6} \lor e_{2,5}$$

$$4834. \ \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{e_{2,5},\, e_{2,6}} \lor \neg t_{e_{1,6},\, \neg e_{2,6}} \lor e_{1,6} \lor e_{2,5}$$

$$4835. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\,e_{2,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \vdash \neg t_{e_{2,5},\,e_{2,6}} \lor \neg t_{e_{1,6},\,\neg e_{2,6}} \lor e_{1,6} \lor e_{2,5}$$

$$4836. \ \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, \, e_{2,6}}, e_{1,6} \lor \neg e_{2,6} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \vdash \neg t_{e_{2,5}, \, e_{2,6}} \lor \neg t_{e_{1,6}, \, \neg e_{2,6}} \lor e_{1,6} \lor e_{2,5}$$

4837. 
$$e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}}, \neg e_{2,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{2,5}, e_{2,6}} \lor e_{2,5} \lor t_{e_{1,6}, e_{2,6}}$$

4838. 
$$e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}}, \neg e_{2,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{2,5}, e_{2,6}} \lor e_{2,5} \lor t_{e_{1,6}, e_{2,6}}$$

$$4839. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, \neg e_{2,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg t_{e_{2,5},\, e_{2,6}} \lor e_{2,5} \lor t_{e_{1,6},\, e_{2,6}}$$

$$4840. \ e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}}, \neg e_{2,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg t_{e_{2,5},\, e_{2,6}} \lor e_{2,5} \lor t_{e_{1,6},\, e_{2,6}}$$

4841. 
$$\neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4842. \ \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash \neg t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,6}$$

$$4843. \ \, \neg e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}}$$

$$4844. \ \, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}}$$

4845. 
$$\neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4846. \ \, \neg e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \lor \neg t_{e_{2,5}, \,$$

$$4847. \ \, \neg e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, e_{2,5} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}$$

$$4848. \ \, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash \neg t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,6}$$

4849. 
$$\neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4850. \ \, \neg e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \lor \neg t_{e_{2,5}, \,$$

4851. 
$$\neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4852. \ \, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash \neg t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,6}$$

4853. 
$$\neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

4854. 
$$\neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash \neg t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,6}$$

$$4855. \ \, \neg e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{2,3}}, e_{2,5} \lor t_{e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{e_{1,2},\, e_{2,3}}$$

$$4856. \ \, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}}$$

4857. 
$$\neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

4858. 
$$\neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

4859. 
$$\neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$4860. \ \, \neg e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$4861. \ \, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4862. \ \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4863. \ \, \neg e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}$$

$$4864. \ \, \neg e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}$$

$$4865. \ \, \neg e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{2,3}}, e_{2,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}}$$

$$4866. \ \, \neg e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{2,3}}, e_{2,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}}$$

4867. 
$$\neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4868. 
$$\neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4869. \ \, \neg e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{2,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}}$$

$$4870. \ \, \neg e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}$$

$$4871. \ \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4872. 
$$\neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4873. 
$$\neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}}$$

4874. 
$$\neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash \neg t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,5}$$

$$4875. \ \neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{2,5}, e_{2,6}}$$

4876. 
$$\neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4877. \ \neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{2,5}, e_{2,6}}$$

$$4878. \ \, \neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

4879. 
$$\neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,6} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4880. \ \, \neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash \neg t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,5}$$

$$4881. \ \neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{2,5}, e_{2,6}}$$

4882. 
$$\neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,6} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

4883. 
$$\neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,6} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

484. 
$$\neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash \neg t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,5}$$

$$4885. \ \, \neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,6} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$4886. \ \, \neg e_{2,6} \lor t_{\neg e_{1,2},\, \neg e_{2,3}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}} \vdash \neg t_{e_{2,5},\, e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{2,5}$$

$$4887. \ \, \neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{2,5}, e_{2,6}}$$

4888. 
$$\neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,6} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$489. \ \, \neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

4890. 
$$\neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

4891. 
$$\neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

4892. 
$$\neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4893. \ \, \neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

$$4894. \ \, \neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

$$4895. \ \, \neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

$$4896. \ \, \neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,6}, e_{2,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,6}, e_{2,6}}$$

4897. 
$$\neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

4898. 
$$\neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

4899. 
$$\neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

$$4900. \ \, \neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

4901. 
$$\neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,6}$$

$$4902. \ \neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,6}$$

$$4903. \ \, \neg e_{2,6} \lor t_{\neg e_{1,2},\, \neg e_{2,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6},\, e_{2,6}} \vdash \neg t_{e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor e_{1,6}$$

$$4904. \ \, \neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,6} \lor e_{2,6} \lor \neg t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,6}$$

$$4905. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{2,5}, \, e_{2,6}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, \, e_{2,6}} \vdash \neg e_{2,4} \lor e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{2,6} \lor \neg e_{2,6} \lor$$

- $4906. \ \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{2,5}, e_{2,6}} \lor t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$
- $4907. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$
- $4908. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{2$
- $4909. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash \neg e_{2,4} \lor e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,6}$
- $4910. \ \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{$
- $4911. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor$
- $4912. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash \neg e_{2,4} \lor e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,6}$
- $4913. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{$
- $4914. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash \neg e_{2,4} \lor e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{2,6}$
- $4915. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{2,5}, \, e_{2,6}}, e_{2,4} \lor t_{e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{2,5}, \, e_{2,6}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor t_{e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{2,5}, \, e_$
- $4916. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{2,5}, \, e_{2,6}}, e_{2,4} \lor t_{e_{1,2}, \, e_{2,3}} \lor t_{e_{2,5}, \, \neg e_{2,6}} \vdash t_{e_{2,5}, \, \neg e_{2,6}} \lor t_{e_{1,2}, \, e_{2,3}} \lor t_{e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, e_{2,5}} \lor t_{e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, e_{2,5}} \lor t_{e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, e_{2,5}} \lor t_{e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, e_{2,5}} \lor t_{e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, e_{2,5}} \lor t_{e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, e_{2,5}} \lor t_{e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, e_{2,5}} \lor t_{e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{2,5}, \, e_{2,6}} \lor t_{\neg e_$
- $4917. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$
- $4918. \ \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$
- $4919. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$
- $4920. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$
- $4921. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{2,5}, \, e_{2,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{1,4} \lor e_{2,4} \lor \neg e_{2,4} \lor$
- $4922. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,4} \lor e_{2,4} \lor \neg e_{2,4} \lor$
- $4923. \ \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg e_{1,4} \lor e_{2,4} \lor \neg e_{1,4}, e_{2,4} \lor \neg e_{2,5}, e_{2,6} \lor e_{2,5}, e_{2,6} \lor e_{2,5}, e_{2,6} \lor e_{2,5}, e_{2,6} \lor \neg e_{2,4} \lor \neg e_{2,5}, e_{2,6} \lor e_{2,6} \lor$
- $4924. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{2,5}, \, e_{2,6}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg e_{1,4} \lor e_{2,4} \lor \neg e_{2,4} \lor$
- $4925. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$
- $4926. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$
- $4927. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$
- $4928. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$
- $4929. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{1,4}$
- $4930. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{1,4}$
- $4931. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{1,4}$
- $4932. \ \, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{1,4}$

$$4933. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \vee e_{1,3} \vee \neg t_{e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,2}, e_{1,3}} \vee e_{1,3}$$

$$4934. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \, \neg e_{2,3}}, e_{1,2} \vee e_{1,3} \vee \neg t_{e_{1,2}, \, e_{1,3}} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \vee \neg t_{e_{1,2}, \, e_{1,3}} \vee e_{1,3}$$

$$4935. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\, \neg e_{2,3}}, e_{1,2} \vee e_{1,3} \vee \neg t_{e_{1,2},\, e_{1,3}} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vee \neg t_{e_{1,2},\, e_{1,3}} \vee e_{1,3}$$

$$4936. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\, \neg e_{2,3}}, e_{1,2} \vee e_{1,3} \vee \neg t_{e_{1,2},\, e_{1,3}} \vdash \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vee \neg t_{e_{1,2},\, e_{1,3}} \vee e_{1,3}$$

$$4937. \ \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,3} \lor \neg e_{2,4} \lor \neg e_{2,$$

$$4938. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\, \neg e_{2,3}}, e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{1,3} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vee \neg t_{e_{1,2},\, \neg e_{1,3}} \vee$$

$$4939. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,2}, \neg$$

$$4940. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,2}, \neg$$

$$4941. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4942. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4943. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \vee t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4944. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4945. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4946. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4947. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4948. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4949. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg e_{2,3} \vee e_{2,5}$$

$$4950. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor e_{2,6}$$

$$4951. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,4} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{2,5}, \neg e_{2,6}} \vdash \neg e_{1,2} \vee \neg e_{2,3} \vee \neg e_{2,4} \vee t_{\neg e_{2,5}, \neg e_{2,6}}$$

$$4952. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg e_{2,3} \vee \neg e_{2,5}$$

$$4953. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,6} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor \neg e_{2,6}$$

$$4954. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor \neg e_{2,4} \lor t_{e_{2,5}, e_{2,6}} \lor \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,5} \lor \neg e_{2,6} \lor \neg e_{2,6$$

$$4955. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg e_{2,3} \vee e_{2,5}$$

$$4956. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,6} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg e_{2,3} \vee \neg e_{2,6}$$

$$4957. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,4}$$

$$4958. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{2,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg e_{2,3} \vee \neg e_{2,5}$$

$$4959. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,6} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg e_{2,3} \vee e_{2,6}$$

$$4960. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash \neg e_{1,2} \lor t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,3} \lor e_{2,4} \lor e_{2,4} \lor e_{2,5}, \neg e_{2,6} \lor \neg e_{$$

$$4961. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \vee e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, e_{2,3}} \vee \neg$$

$$4962. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4963. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \vee e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, e_{2,3}} \vee \neg$$

$$4964. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4965. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg$$

$$4966. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4967. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2},\, \neg e_{2,3}}, \neg e_{1,2} \vee e_{2,3} \vee \neg t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2},\, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2},\, e_{2,3}} \vee \neg t_{\neg e_{1,$$

$$4968. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{2,3} \lor \neg e_{2,3$$

$$4969. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e$$

$$4970. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}}$$

$$4971. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e$$

$$4972. \ \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$4973. \ \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1$$

$$4974. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_$$

$$4975. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e$$

$$4976. \ \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$4977. \ \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4978. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,$$

$$4979. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4980. \ \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4981. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4982. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4983. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4984. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4985. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \vee t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \vee \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg$$

$$4986. \ \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4987. \ \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4988. \ \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4989. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{1,3}$$

$$4990. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{1,3}$$

$$4991. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{1,3}$$

$$4992. \ \, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{1,3}$$

$$4993. \ e_{1,2} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}}, \lnot e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}}$$

4994. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4995. \ e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4996. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

4997. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4998. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4999. 
$$e_{1,2} \lor t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$5000. \ e_{1,2} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}, \neg e_{1,2} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$