

Домашнее задание по Математической логике №5

Приложение 2. Метод резолюций

Часть 8. 40001 – 45000

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1. $t_{e_{1,5}, e_{2,5}, e_{1,5}} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee \neg e_{2,6} \vdash e_{1,5} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee \neg e_{2,6}$
2. $t_{e_{1,5}, e_{2,5}, e_{1,5}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee \neg t_{\neg e_{2,5}, e_{2,6}} \vee e_{2,6} \vdash e_{1,5} \vee \neg t_{\neg e_{2,5}, e_{2,6}} \vee e_{2,6}$
3. $t_{e_{1,5}, e_{2,5}, e_{1,5}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee \neg t_{\neg e_{2,5}, e_{2,6}} \vee e_{2,6} \vdash e_{1,5} \vee \neg t_{\neg e_{2,5}, e_{2,6}} \vee e_{2,6}$
4. $t_{e_{1,5}, e_{2,5}, e_{1,5}} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee \neg e_{2,6} \vdash e_{1,5} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee \neg e_{2,6}$
5. $t_{e_{1,5}, e_{2,5}, e_{1,5}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee \neg t_{\neg e_{2,5}, e_{2,6}} \vee e_{2,6} \vdash e_{1,5} \vee \neg t_{\neg e_{2,5}, e_{2,6}} \vee e_{2,6}$
6. $t_{e_{1,5}, e_{2,5}, e_{1,5}} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee \neg e_{2,6} \vdash e_{1,5} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee \neg e_{2,6}$
7. $t_{e_{1,5}, e_{2,5}, e_{1,5}} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee \neg e_{2,6} \vdash e_{1,5} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee \neg e_{2,6}$
8. $t_{e_{1,5}, e_{2,5}, e_{1,5}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee \neg t_{\neg e_{2,5}, e_{2,6}} \vee e_{2,6} \vdash e_{1,5} \vee \neg t_{\neg e_{2,5}, e_{2,6}} \vee e_{2,6}$
9. $t_{e_{1,5}, e_{2,5}, \neg e_{1,6}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \vee e_{2,5} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}$
10. $t_{e_{1,5}, e_{2,5}, \neg e_{1,6}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \vee e_{2,5} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}$
11. $t_{e_{1,5}, e_{2,5}, \neg e_{1,6}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \vee e_{2,5} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}$
12. $t_{e_{1,5}, e_{2,5}, \neg e_{1,6}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \vee e_{2,5} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}$
13. $t_{e_{1,5}, e_{2,5}, \neg t_{\neg e_{1,5}, e_{1,6}}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vee e_{1,6} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \vee e_{1,6} \vee e_{2,5}$
14. $t_{e_{1,5}, e_{2,5}, \neg t_{\neg e_{1,5}, e_{1,6}}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vee e_{1,6} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \vee e_{1,6} \vee e_{2,5}$
15. $t_{e_{1,5}, e_{2,5}, \neg t_{\neg e_{1,5}, e_{1,6}}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vee e_{1,6} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \vee e_{1,6} \vee e_{2,5}$
16. $t_{e_{1,5}, e_{2,5}, \neg t_{\neg e_{1,5}, e_{1,6}}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vee e_{1,6} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \vee e_{1,6} \vee e_{2,5}$
17. $t_{e_{1,5}, e_{2,5}, \neg t_{\neg e_{1,5}, e_{1,6}}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vee e_{1,6} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \vee e_{1,6} \vee e_{2,5}$
18. $t_{e_{1,5}, e_{2,5}, \neg t_{\neg e_{1,5}, e_{1,6}}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vee e_{1,6} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \vee e_{1,6} \vee e_{2,5}$

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2314. $t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \vee e_{2,3} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash e_{2,3} \vee t_{e_{1,2}, \neg e_{1,3}}$
2315. $t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,2}$
2316. $t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}} \vee e_{1,2} \vdash t_{\neg e_{1,2}, e_{2,3}} \vee e_{1,2}$
2317. $t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \vee t_{\neg e_{1,3}, e_{2,3}} \vee e_{1,2} \vdash e_{1,2} \vee t_{\neg e_{1,3}, e_{2,3}}$
2318. $t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{2,3} \vdash e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}$
2319. $t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \vee t_{e_{1,3}, e_{2,3}} \vee e_{1,2} \vdash t_{e_{1,3}, e_{2,3}} \vee e_{1,2}$
2320. $t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \vee t_{e_{1,2}, e_{1,3}} \vee e_{2,3} \vdash e_{2,3} \vee t_{e_{1,2}, e_{1,3}}$
2321. $t_{e_{1,2}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, e_{2,3}} \vee e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{2,3}$
2322. $t_{e_{1,5}, e_{2,5}}, e_{1,5} \vee \neg t_{e_{1,5}, e_{2,5}} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}}$
2323. $t_{e_{1,5}, e_{2,5}}, \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,5}$
2324. $t_{e_{1,5}, e_{2,5}}, \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash e_{2,5} \vee t_{e_{1,2}, \neg e_{1,3}}$
2325. $t_{e_{1,5}, e_{2,5}}, e_{1,5} \vee t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \vee t_{e_{1,2}, \neg e_{2,3}}$
2326. $t_{e_{1,5}, e_{2,5}}, e_{1,5} \vee \neg t_{e_{1,5}, e_{2,5}} \vee t_{\neg e_{1,5}, e_{2,5}} \vdash e_{1,5} \vee t_{\neg e_{1,5}, e_{2,5}}$
2327. $t_{e_{1,5}, e_{2,5}}, t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vdash e_{2,5} \vee t_{\neg e_{1,2}, e_{1,3}}$
2328. $t_{e_{1,5}, e_{2,5}}, e_{1,5} \vee \neg t_{e_{1,5}, e_{2,5}} \vee \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,5}$
2329. $t_{e_{1,5}, e_{2,5}}, t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{2,5}$
2330. $t_{e_{1,5}, e_{2,5}}, e_{1,5} \vee \neg t_{e_{1,5}, e_{2,5}} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \vee t_{\neg e_{1,2}, e_{2,3}}$
2331. $t_{e_{1,5}, e_{2,5}}, t_{e_{1,5}, \neg e_{2,5}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee e_{2,5}$
2332. $t_{e_{1,5}, e_{2,5}}, \neg t_{\neg e_{1,5}, e_{2,5}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \vee e_{2,5}$
2333. $t_{e_{1,5}, e_{2,5}}, e_{1,5} \vee t_{e_{1,2}, e_{2,3}} \vee \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \vee t_{e_{1,2}, e_{2,3}}$
2334. $t_{e_{1,4}, e_{2,4}}, \neg t_{\neg e_{1,4}, e_{2,4}} \vee \neg t_{e_{1,4}, e_{2,4}} \vee e_{2,4} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \vee e_{2,4}$
2335. $t_{e_{1,4}, e_{2,4}}, t_{e_{1,4}, \neg e_{2,4}} \vee \neg t_{e_{1,4}, e_{2,4}} \vee e_{2,4} \vdash t_{e_{1,4}, \neg e_{2,4}} \vee e_{2,4}$
2336. $t_{e_{1,4}, e_{2,4}}, e_{1,4} \vee t_{\neg e_{1,4}, e_{2,4}} \vee \neg t_{e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \vee e_{1,4}$
2337. $t_{e_{1,4}, e_{2,4}}, e_{1,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}} \vee \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}}$
2338. $t_{e_{1,3}, e_{2,3}}, t_{\neg e_{1,3}, e_{2,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{1,3} \vdash e_{1,3} \vee t_{\neg e_{1,3}, e_{2,3}}$
2339. $t_{e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{2,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{1,3} \vdash e_{1,3} \vee t_{e_{1,2}, e_{2,3}}$
2340. $t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,3}, e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}} \vee e_{1,3} \vdash t_{\neg e_{1,2}, e_{2,3}} \vee e_{1,3}$

2341. $t_{e_{1,3}, e_{2,3}}, \neg t_{\neg e_{1,3}, e_{2,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{2,3} \vdash e_{2,3} \vee \neg t_{\neg e_{1,3}, e_{2,3}}$
2342. $t_{e_{1,3}, e_{2,3}}, t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{2,3} \vdash e_{2,3} \vee t_{e_{1,3}, \neg e_{2,3}}$
2343. $t_{e_{1,3}, e_{2,3}}, \neg t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{1,3} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \vee e_{1,3}$
2344. $t_{e_{1,3}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{2,3}$
2345. $t_{e_{1,3}, e_{2,3}}, t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,3}, e_{2,3}} \vee e_{2,3} \vdash e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}$
2346. $t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee e_{1,2} \vdash e_{1,2} \vee \neg t_{e_{1,2}, \neg e_{1,3}}$
2347. $t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,3}$
2348. $t_{e_{1,2}, e_{1,3}}, t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, e_{1,3}} \vee e_{1,2} \vdash e_{1,2} \vee t_{\neg e_{1,2}, e_{1,3}}$
2349. $t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,2}, e_{2,3}} \vee e_{1,3} \vdash t_{e_{1,2}, e_{2,3}} \vee e_{1,3}$
2350. $t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, e_{1,3}} \vee e_{1,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \vee e_{1,3}$
2351. $t_{e_{1,2}, e_{1,3}}, t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{e_{1,2}, e_{1,3}} \vee e_{1,2} \vdash t_{e_{1,3}, \neg e_{2,3}} \vee e_{1,2}$
2352. $t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \vee e_{1,3} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \vee t_{e_{1,2}, \neg e_{1,3}}$
2353. $t_{e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,3}, e_{2,3}} \vee e_{1,2} \vdash t_{e_{1,3}, e_{2,3}} \vee e_{1,2}$
2354. $t_{e_{1,6}, e_{2,6}}, t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,6}, e_{2,6}} \vee e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{2,6}$
2355. $t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \vee e_{2,6} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash e_{2,6} \vee t_{e_{1,2}, \neg e_{1,3}}$
2356. $t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \vee e_{1,6} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,6} \vee t_{\neg e_{1,2}, e_{2,3}}$
2357. $t_{e_{1,6}, e_{2,6}}, t_{\neg e_{1,6}, e_{2,6}} \vee \neg t_{e_{1,6}, e_{2,6}} \vee e_{1,6} \vdash t_{\neg e_{1,6}, e_{2,6}} \vee e_{1,6}$
2358. $t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,6} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,6}$
2359. $t_{e_{1,6}, e_{2,6}}, t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,6}, e_{2,6}} \vee e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \vee e_{2,6}$
2360. $t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \vee t_{e_{1,6}, \neg e_{2,6}} \vee e_{2,6} \vdash t_{e_{1,6}, \neg e_{2,6}} \vee e_{2,6}$
2361. $t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,6}, e_{2,6}} \vdash e_{2,6} \vee \neg t_{\neg e_{1,6}, e_{2,6}}$
2362. $t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee e_{1,6} \vdash e_{1,6} \vee t_{\neg e_{1,2}, \neg e_{2,3}}$
2363. $t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,6} \vdash e_{1,6} \vee t_{e_{1,2}, \neg e_{2,3}}$
2364. $t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \vee \neg t_{e_{1,6}, \neg e_{2,6}} \vee e_{1,6} \vdash e_{1,6} \vee \neg t_{e_{1,6}, \neg e_{2,6}}$
2365. $t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \vee t_{e_{1,2}, e_{2,3}} \vee e_{1,6} \vdash e_{1,6} \vee t_{e_{1,2}, e_{2,3}}$
2366. $\neg t_{\neg e_{1,4}, e_{2,4}} \vee e_{2,4}, \neg e_{2,4} \vee \neg e_{4,5} \vee e_{1,4} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \vee \neg e_{4,5} \vee e_{1,4}$
2367. $\neg t_{\neg e_{1,4}, e_{2,4}} \vee e_{2,4}, t_{\neg e_{1,5}, \neg e_{1,6}} \vee t_{\neg e_{1,4}, e_{2,4}} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,5}, \neg e_{1,6}} \vee e_{2,4} \vee t_{e_{1,2}, \neg e_{1,3}}$

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2422. $\neg t_{\neg e_{1,4}, e_{2,4}} \vee e_{2,4}, e_{5,6} \vee t_{\neg e_{1,4}, e_{2,4}} \vee \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \vee e_{2,4} \vee \neg t_{e_{4,6}, e_{5,6}}$
2423. $\neg t_{\neg e_{1,4}, e_{2,4}} \vee e_{2,4}, \neg e_{2,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}} \vee \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \vee \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vee \neg t_{e_{1,4}, \neg e_{2,4}}$
2424. $\neg t_{\neg e_{1,4}, e_{2,4}} \vee e_{2,4}, t_{e_{1,4}, e_{2,4}} \vee t_{\neg e_{4,5}, \neg e_{4,6}} \vee t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \vee t_{\neg e_{4,5}, \neg e_{4,6}} \vee e_{2,4}$
2425. $\neg t_{\neg e_{1,4}, e_{2,4}} \vee e_{2,4}, t_{e_{1,5}, \neg e_{1,6}} \vee t_{e_{1,2}, e_{1,3}} \vee t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \neg e_{1,6}} \vee t_{e_{1,2}, e_{1,3}} \vee e_{2,4}$
2426. $\neg t_{\neg e_{1,4}, e_{2,4}} \vee e_{2,4}, t_{e_{2,5}, e_{2,6}} \vee t_{\neg e_{1,4}, e_{2,4}} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{2,5}, e_{2,6}} \vee t_{\neg e_{1,2}, e_{2,3}} \vee e_{2,4}$
2427. $\neg t_{\neg e_{1,4}, e_{2,4}} \vee e_{2,4}, e_{4,6} \vee \neg e_{2,4} \vee \neg e_{1,4} \vdash e_{4,6} \vee \neg t_{\neg e_{1,4}, e_{2,4}} \vee \neg e_{1,4}$
2428. $\neg t_{\neg e_{1,4}, e_{2,4}} \vee e_{2,4}, \neg e_{2,4} \vee \neg e_{4,6} \vee \neg e_{1,4} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \vee \neg e_{4,6} \vee \neg e_{1,4}$
2429. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,6}, e_{2,6}}, t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,6}, e_{2,6}} \vee e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{2,6}$
2430. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \vee e_{2,6} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee e_{2,6} \vee t_{e_{1,2}, \neg e_{1,3}}$
2431. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \vee e_{1,6} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,6} \vee t_{\neg e_{1,2}, e_{2,3}}$
2432. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,6}, e_{2,6}}, t_{\neg e_{1,6}, e_{2,6}} \vee \neg t_{e_{1,6}, e_{2,6}} \vee e_{1,6} \vdash t_{\neg e_{1,6}, e_{2,6}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,6}$
2433. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,6}$
2434. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,6}, e_{2,6}}, t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,6}, e_{2,6}} \vee e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{2,6}$
2435. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \vee t_{e_{1,6}, \neg e_{2,6}} \vee e_{2,6} \vdash t_{e_{1,6}, \neg e_{2,6}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{2,6}$
2436. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \vee e_{2,6} \vee \neg t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee e_{2,6} \vee \neg t_{\neg e_{1,6}, e_{2,6}}$
2437. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee e_{1,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,6} \vee t_{\neg e_{1,2}, \neg e_{2,3}}$
2438. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,6}$
2439. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \vee \neg t_{e_{1,6}, \neg e_{2,6}} \vee e_{1,6} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,6}$
2440. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,6}, e_{2,6}}, \neg t_{e_{1,6}, e_{2,6}} \vee t_{e_{1,2}, e_{2,3}} \vee e_{1,6} \vdash t_{e_{1,2}, e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,6}$
2441. $t_{e_{1,4}, e_{2,4}} \vee t_{\neg e_{1,6}, \neg e_{2,6}}, \neg t_{\neg e_{1,4}, e_{2,4}} \vee \neg t_{e_{1,4}, e_{2,4}} \vee e_{2,4} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \vee t_{\neg e_{1,6}, \neg e_{2,6}} \vee e_{2,4}$
2442. $t_{e_{1,4}, e_{2,4}} \vee t_{\neg e_{1,6}, \neg e_{2,6}}, t_{e_{1,4}, \neg e_{2,4}} \vee \neg t_{e_{1,4}, e_{2,4}} \vee e_{2,4} \vdash t_{e_{1,4}, \neg e_{2,4}} \vee t_{\neg e_{1,6}, \neg e_{2,6}} \vee e_{2,4}$
2443. $t_{e_{1,4}, e_{2,4}} \vee t_{\neg e_{1,6}, \neg e_{2,6}}, e_{1,4} \vee t_{\neg e_{1,4}, e_{2,4}} \vee \neg t_{e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \vee e_{1,4} \vee t_{\neg e_{1,6}, \neg e_{2,6}}$
2444. $t_{e_{1,4}, e_{2,4}} \vee t_{\neg e_{1,6}, \neg e_{2,6}}, e_{1,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}} \vee \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}} \vee t_{\neg e_{1,6}, \neg e_{2,6}}$
2445. $t_{e_{1,4}, e_{2,4}} \vee t_{\neg e_{1,6}, \neg e_{2,6}}, e_{1,4} \vee \neg t_{e_{1,4}, e_{2,4}} \vee e_{2,4} \vdash e_{1,4} \vee t_{\neg e_{1,6}, \neg e_{2,6}} \vee e_{2,4}$
2446. $t_{e_{1,4}, e_{2,4}} \vee t_{e_{1,5}, e_{2,5}}, \neg t_{\neg e_{1,4}, e_{2,4}} \vee \neg t_{e_{1,4}, e_{2,4}} \vee e_{2,4} \vdash t_{e_{1,5}, e_{2,5}} \vee \neg t_{\neg e_{1,4}, e_{2,4}} \vee e_{2,4}$
2447. $t_{e_{1,4}, e_{2,4}} \vee t_{e_{1,5}, e_{2,5}}, e_{1,5} \vee \neg t_{e_{1,5}, e_{2,5}} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \vee t_{e_{1,4}, e_{2,4}} \vee t_{\neg e_{1,2}, \neg e_{2,3}}$
2448. $t_{e_{1,4}, e_{2,4}} \vee t_{e_{1,5}, e_{2,5}}, \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,4}, e_{2,4}} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,5}$

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[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

2692. $e_{1,5} \vee t_{\neg e_{1,2}, e_{2,3}}, \neg e_{1,5} \vee e_{2,5} \vee \neg e_{4,5} \vdash e_{2,5} \vee t_{\neg e_{1,2}, e_{2,3}} \vee \neg e_{4,5}$
2693. $e_{1,5} \vee t_{\neg e_{1,2}, e_{2,3}}, \neg e_{1,5} \vee e_{4,5} \vee \neg e_{2,5} \vdash e_{4,5} \vee \neg e_{2,5} \vee t_{\neg e_{1,2}, e_{2,3}}$
2694. $e_{1,5} \vee t_{\neg e_{1,2}, e_{2,3}}, \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vee t_{\neg e_{1,2}, e_{2,3}} \vee t_{e_{1,2}, \neg e_{1,3}}$
2695. $e_{1,5} \vee t_{\neg e_{1,2}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \vee \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,5}, e_{1,6}} \vee t_{\neg e_{1,2}, e_{2,3}}$
2696. $e_{1,5} \vee t_{\neg e_{1,2}, e_{2,3}}, t_{\neg e_{1,6}, e_{2,6}} \vee \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vee t_{\neg e_{1,2}, e_{2,3}}$
2697. $e_{1,5} \vee t_{\neg e_{1,2}, e_{2,3}}, \neg e_{1,5} \vee t_{e_{1,2}, e_{2,3}} \vee \neg t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,2}, e_{2,3}} \vee \neg t_{\neg e_{1,5}, e_{2,5}} \vee t_{\neg e_{1,2}, e_{2,3}}$
2698. $e_{1,5} \vee t_{\neg e_{1,2}, e_{2,3}}, \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, e_{1,6}} \vee t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \vee \neg t_{\neg e_{1,5}, e_{1,6}} \vee t_{\neg e_{1,2}, e_{2,3}}$
2699. $e_{1,5} \vee t_{\neg e_{1,2}, e_{2,3}}, t_{e_{1,5}, \neg e_{2,5}} \vee \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vee t_{\neg e_{1,2}, e_{2,3}}$
2700. $e_{1,5} \vee t_{\neg e_{1,2}, e_{2,3}}, t_{\neg e_{1,5}, \neg e_{2,5}} \vee \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vee t_{\neg e_{1,2}, e_{2,3}}$
2701. $e_{1,5} \vee t_{\neg e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{1,5} \vdash \neg e_{1,3} \vee t_{e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}}$
2702. $e_{1,5} \vee t_{\neg e_{1,2}, e_{2,3}}, t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{1,5} \vee e_{1,3} \vdash t_{e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}} \vee e_{1,3}$
2703. $t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,6}, \neg e_{2,6}}, \neg t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee e_{1,2} \vdash t_{e_{1,6}, \neg e_{2,6}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee e_{1,2}$
2704. $t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,6}, \neg e_{2,6}}, \neg t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,3} \vdash t_{e_{1,6}, \neg e_{2,6}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,3}$
2705. $t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,6}, \neg e_{2,6}}, t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, e_{1,3}} \vee e_{1,2} \vdash t_{\neg e_{1,2}, e_{1,3}} \vee t_{e_{1,6}, \neg e_{2,6}} \vee e_{1,2}$
2706. $t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,6}, \neg e_{2,6}}, \neg t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,2}, e_{2,3}} \vee e_{1,3} \vdash t_{e_{1,6}, \neg e_{2,6}} \vee t_{e_{1,2}, e_{2,3}} \vee e_{1,3}$
2707. $t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,6}, \neg e_{2,6}}, \neg t_{e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, e_{1,3}} \vee e_{1,3} \vdash t_{e_{1,6}, \neg e_{2,6}} \vee \neg t_{\neg e_{1,2}, e_{1,3}} \vee e_{1,3}$
2708. $t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,6}, \neg e_{2,6}}, t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{e_{1,2}, e_{1,3}} \vee e_{1,2} \vdash t_{e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,6}, \neg e_{2,6}} \vee e_{1,2}$
2709. $t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,6}, \neg e_{2,6}}, \neg t_{e_{1,2}, e_{1,3}} \vee e_{1,3} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,6}, \neg e_{2,6}} \vee e_{1,3} \vee t_{e_{1,2}, \neg e_{1,3}}$
2710. $t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,6}, \neg e_{2,6}}, \neg t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,3}, e_{2,3}} \vee e_{1,2} \vdash t_{e_{1,6}, \neg e_{2,6}} \vee t_{e_{1,3}, e_{2,3}} \vee e_{1,2}$
2711. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg e_{1,5} \vee e_{1,2} \vdash \neg e_{1,5} \vee t_{e_{1,2}, e_{2,3}} \vee e_{1,2}$
2712. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \vee \neg t_{\neg e_{1,2}, e_{2,3}} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \vee e_{1,3} \vee e_{2,3}$
2713. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg e_{1,5} \vdash \neg e_{1,2} \vee \neg e_{1,5} \vee t_{e_{1,2}, e_{2,3}}$
2714. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg e_{2,3} \vee \neg e_{3,5} \vdash \neg e_{2,3} \vee t_{e_{1,2}, e_{2,3}} \vee \neg e_{3,5}$
2715. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg t_{\neg e_{1,3}, e_{2,3}} \vee t_{e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \vee t_{e_{1,2}, e_{2,3}} \vee t_{e_{1,3}, e_{2,3}}$
2716. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}}$
2717. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee e_{1,6} \vee e_{1,2} \vdash t_{e_{1,2}, e_{2,3}} \vee e_{1,6} \vee e_{1,2}$
2718. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,2}, e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,2}, e_{1,3}} \vee t_{e_{1,2}, e_{2,3}}$

2719. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \vee e_{2,3} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \vee e_{2,3} \vee t_{e_{1,2}, \neg e_{1,3}}$
2720. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, e_{2,3}}$
2721. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}}$
2722. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg t_{\neg e_{1,3}, e_{2,3}} \vee t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \vee \neg t_{\neg e_{1,3}, e_{2,3}} \vee t_{e_{1,2}, e_{2,3}}$
2723. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,3} \vee e_{1,2}$
2724. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,3}, e_{2,3}} \vee t_{e_{1,2}, e_{2,3}}$
2725. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg e_{3,6} \vee \neg e_{2,3} \vdash \neg e_{3,6} \vee \neg e_{2,3} \vee t_{e_{1,2}, e_{2,3}}$
2726. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}} \vee e_{1,2} \vdash t_{\neg e_{1,2}, e_{2,3}} \vee e_{1,3} \vee e_{1,2}$
2727. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee e_{1,5} \vee e_{1,2} \vdash e_{1,5} \vee t_{e_{1,2}, e_{2,3}} \vee e_{1,2}$
2728. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,2}, e_{1,3}} \vee t_{e_{1,2}, e_{2,3}}$
2729. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg e_{1,6} \vee e_{1,2} \vdash \neg e_{1,6} \vee t_{e_{1,2}, e_{2,3}} \vee e_{1,2}$
2730. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{2,3}}$
2731. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg t_{\neg e_{1,3}, e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, e_{2,3}} \vee t_{e_{1,2}, e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}}$
2732. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg e_{3,6} \vee e_{2,3} \vdash \neg e_{3,6} \vee t_{e_{1,2}, e_{2,3}} \vee e_{2,3}$
2733. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \vee t_{\neg e_{1,3}, e_{2,3}} \vee e_{1,2} \vdash t_{\neg e_{1,3}, e_{2,3}} \vee e_{1,3} \vee e_{1,2}$
2734. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{2,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,3} \vee e_{2,3}$
2735. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee e_{3,5} \vee \neg e_{2,3} \vdash e_{3,5} \vee \neg e_{2,3} \vee t_{e_{1,2}, e_{2,3}}$
2736. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \vee t_{e_{1,3}, e_{2,3}} \vee e_{1,2} \vdash t_{e_{1,3}, e_{2,3}} \vee e_{1,3} \vee e_{1,2}$
2737. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg e_{3,5} \vee e_{2,3} \vdash t_{e_{1,2}, e_{2,3}} \vee \neg e_{3,5} \vee e_{2,3}$
2738. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, e_{2,3}} \vee e_{1,2}$
2739. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \vee t_{e_{1,2}, e_{1,3}} \vee e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{1,3} \vee e_{2,3}$
2740. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg t_{\neg e_{1,3}, e_{2,3}} \vee t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \vee \neg t_{\neg e_{1,3}, e_{2,3}}$
2741. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,2} \vee e_{1,5} \vee \neg e_{1,3} \vdash \neg e_{1,2} \vee e_{1,5} \vee t_{e_{1,2}, e_{2,3}}$
2742. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, e_{2,3}} \vee t_{e_{1,2}, \neg e_{1,3}}$
2743. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, e_{2,3}} \vee e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{1,3} \vee e_{2,3}$
2744. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, e_{2,3}}$
2745. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg e_{2,3} \vee e_{3,6} \vdash \neg e_{2,3} \vee t_{e_{1,2}, e_{2,3}} \vee e_{3,6}$

2746. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{1,3}}$
2747. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, e_{2,3}}$
2748. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{2,3}}$
2749. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee e_{3,6} \vee e_{2,3} \vdash t_{e_{1,2}, e_{2,3}} \vee e_{3,6} \vee e_{2,3}$
2750. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,3} \vdash \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, e_{2,3}} \vee e_{2,3}$
2751. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee e_{3,5} \vee e_{2,3} \vdash e_{3,5} \vee t_{e_{1,2}, e_{2,3}} \vee e_{2,3}$
2752. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, e_{2,3}}$
2753. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg e_{1,6} \vdash \neg e_{1,2} \vee \neg e_{1,6} \vee t_{e_{1,2}, e_{2,3}}$
2754. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, e_{2,3}}$
2755. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,2} \vee \neg e_{1,3} \vee e_{1,6} \vdash \neg e_{1,2} \vee t_{e_{1,2}, e_{2,3}} \vee e_{1,6}$
2756. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}}$
2757. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, t_{e_{1,2}, e_{1,3}} \vee \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, e_{2,3}}$
2758. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{1,5} \vdash t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{1,5} \vee t_{e_{1,2}, e_{2,3}}$
2759. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, e_{1,5} \vee \neg e_{1,3} \vee t_{e_{1,3}, \neg e_{2,3}} \vdash e_{1,5} \vee t_{e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, e_{2,3}}$
2760. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg e_{1,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, e_{2,3}}$
2761. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee t_{e_{1,3}, \neg e_{2,3}} \vee e_{1,6} \vdash t_{e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, e_{2,3}} \vee e_{1,6}$
2762. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee t_{\neg e_{1,2}, e_{2,3}} \vee e_{1,2} \vdash t_{e_{1,2}, e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}} \vee e_{1,2}$
2763. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,2} \vee \neg e_{1,3} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \vee t_{e_{1,2}, e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}}$
2764. $e_{1,3} \vee t_{e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee t_{e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}}$
2765. $e_{1,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vee t_{\neg e_{1,2}, \neg e_{2,3}}$
2766. $e_{1,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \vee \neg e_{1,5} \vee e_{1,2} \vdash \neg e_{1,3} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee e_{1,2}$
2767. $e_{1,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, e_{2,5}} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}}$
2768. $e_{1,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}}, e_{4,5} \vee \neg e_{1,5} \vee e_{2,5} \vdash e_{4,5} \vee e_{2,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}}$
2769. $e_{1,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, e_{1,6}} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}}$
2770. $e_{1,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg e_{1,5} \vdash \neg e_{1,2} \vee \neg e_{1,3} \vee t_{\neg e_{1,2}, \neg e_{2,3}}$
2771. $e_{1,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, e_{1,6}} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{1,3}}$
2772. $e_{1,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}}, \neg e_{1,5} \vee e_{1,3} \vee e_{1,2} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \vee e_{1,3} \vee e_{1,2}$

2881. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, t_{e_{1,2}, e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,3}, \neg e_{2,3}}$
2882. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{1,3}}$
2883. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, e_{3,5} \vee \neg e_{2,3} \vee e_{1,3} \vdash e_{3,5} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,3}$
2884. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \vee \neg e_{3,6} \vee \neg e_{2,3} \vdash \neg e_{1,3} \vee \neg e_{3,6} \vee t_{e_{1,2}, \neg e_{2,3}}$
2885. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \vee e_{1,2} \vee e_{2,6} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,2} \vee e_{2,6}$
2886. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,2}, \neg e_{2,3}}$
2887. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}}$
2888. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}}$
2889. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \vee \neg e_{3,5} \vee e_{1,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{3,5} \vee e_{1,3}$
2890. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}}$
2891. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \vee e_{2,5} \vee e_{1,2} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee e_{2,5} \vee e_{1,2}$
2892. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,2}$
2893. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \vee e_{3,5} \vee \neg e_{2,3} \vdash \neg e_{1,3} \vee e_{3,5} \vee t_{e_{1,2}, \neg e_{2,3}}$
2894. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \vee \neg e_{2,6} \vee e_{1,2} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,6} \vee e_{1,2}$
2895. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \vee e_{3,6} \vee e_{1,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee e_{3,6} \vee e_{1,3}$
2896. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{1,3}}$
2897. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg e_{1,3} \vee \neg e_{2,3} \vee e_{3,6} \vdash \neg e_{1,3} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{3,6}$
2898. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \vee t_{e_{1,3}, e_{2,3}} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,3}, \neg e_{2,3}}$
2899. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee e_{1,3} \vdash \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,3}$
2900. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg e_{2,5} \vdash \neg e_{1,2} \vee t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,5}$
2901. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{1,3}}$
2902. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}}$
2903. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \vee \neg e_{2,3} \vee e_{2,5} \vdash \neg e_{1,2} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{2,5}$
2904. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg e_{3,6} \vee \neg e_{2,3} \vee e_{1,3} \vdash \neg e_{3,6} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,3}$
2905. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,3}, e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}}$
2906. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}}$
2907. $e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}}, \neg e_{1,2} \vee \neg e_{2,3} \vee e_{2,6} \vdash \neg e_{1,2} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{2,6}$

- [illegible]

2935. $t_{\neg e_{1,6}, e_{2,6}} \vee t_{e_{1,5}, e_{2,5}}, \neg t_{\neg e_{1,5}, e_{2,5}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vdash t_{\neg e_{1,6}, e_{2,6}} \vee \neg t_{\neg e_{1,5}, e_{2,5}} \vee e_{2,5}$
2936. $t_{\neg e_{1,6}, e_{2,6}} \vee t_{e_{1,5}, e_{2,5}}, e_{1,5} \vee t_{e_{1,2}, e_{2,3}} \vee \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \vee t_{\neg e_{1,6}, e_{2,6}} \vee t_{e_{1,2}, e_{2,3}}$
2937. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{1,3}}$
2938. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,3}, \neg e_{2,3}}$
2939. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{2,3}}$
2940. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, e_{1,3}} \vee t_{\neg e_{1,3}, \neg e_{2,3}}$
2941. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg e_{2,6} \vdash \neg e_{1,2} \vee t_{e_{1,2}, e_{1,3}} \vee \neg e_{2,6}$
2942. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee e_{1,2} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \vee e_{2,3} \vee e_{1,2}$
2943. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{1,3} \vee \neg e_{2,3} \vee \neg e_{3,5} \vdash \neg e_{1,3} \vee t_{e_{1,2}, e_{1,3}} \vee \neg e_{3,5}$
2944. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, t_{e_{1,2}, e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, e_{1,3}}$
2945. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{1,3}}$
2946. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,3} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,3} \vee e_{2,3}$
2947. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, e_{3,5} \vee \neg e_{2,3} \vee e_{1,3} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{3,5} \vee e_{1,3}$
2948. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{1,3} \vee \neg e_{3,6} \vee \neg e_{2,3} \vdash \neg e_{1,3} \vee t_{e_{1,2}, e_{1,3}} \vee \neg e_{3,6}$
2949. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{2,3} \vee e_{1,2} \vee e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{1,2} \vee e_{2,6}$
2950. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}}$
2951. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}}$
2952. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}$
2953. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{2,3} \vee \neg e_{3,5} \vee e_{1,3} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg e_{3,5} \vee e_{1,3}$
2954. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{e_{1,3}, \neg e_{2,3}}$
2955. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{2,3} \vee e_{2,5} \vee e_{1,2} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{2,5} \vee e_{1,2}$
2956. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, e_{1,3}} \vee e_{1,2}$
2957. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{1,3} \vee e_{3,5} \vee \neg e_{2,3} \vdash \neg e_{1,3} \vee t_{e_{1,2}, e_{1,3}} \vee e_{3,5}$
2958. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{2,3} \vee \neg e_{2,6} \vee e_{1,2} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg e_{2,6} \vee e_{1,2}$
2959. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{2,3} \vee e_{3,6} \vee e_{1,3} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{3,6} \vee e_{1,3}$
2960. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,2}, \neg e_{1,3}}$
2961. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{1,3} \vee \neg e_{2,3} \vee e_{3,6} \vdash \neg e_{1,3} \vee t_{e_{1,2}, e_{1,3}} \vee e_{3,6}$

2962. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, e_{1,3}} \vee e_{1,2} \vdash t_{\neg e_{1,2}, e_{1,3}} \vee e_{2,3} \vee e_{1,2}$
2963. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,2}, e_{2,3}} \vee e_{1,3} \vdash t_{e_{1,2}, e_{2,3}} \vee e_{1,3} \vee e_{2,3}$
2964. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{2,3} \vee t_{e_{1,3}, e_{2,3}} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,3}, e_{2,3}} \vee \neg t_{e_{1,3}, \neg e_{2,3}}$
2965. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee e_{1,3} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee e_{1,3}$
2966. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg e_{2,5} \vdash \neg e_{1,2} \vee t_{e_{1,2}, e_{1,3}} \vee \neg e_{2,5}$
2967. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, e_{1,3}} \vee t_{\neg e_{1,2}, \neg e_{1,3}}$
2968. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{2,3}}$
2969. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{1,2} \vee \neg e_{2,3} \vee e_{2,5} \vdash \neg e_{1,2} \vee t_{e_{1,2}, e_{1,3}} \vee e_{2,5}$
2970. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{3,6} \vee \neg e_{2,3} \vee e_{1,3} \vdash \neg e_{3,6} \vee t_{e_{1,2}, e_{1,3}} \vee e_{1,3}$
2971. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg t_{e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, e_{1,3}} \vee e_{1,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \vee e_{1,3} \vee e_{2,3}$
2972. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, e_{1,3}} \vee t_{\neg e_{1,3}, e_{2,3}}$
2973. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}}$
2974. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{1,2} \vee \neg e_{2,3} \vee e_{2,6} \vdash \neg e_{1,2} \vee t_{e_{1,2}, e_{1,3}} \vee e_{2,6}$
2975. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{e_{1,2}, e_{1,3}} \vee e_{1,2} \vdash t_{e_{1,3}, \neg e_{2,3}} \vee e_{2,3} \vee e_{1,2}$
2976. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,2}, e_{2,3}}$
2977. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg t_{e_{1,2}, e_{1,3}} \vee e_{1,3} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,3} \vee e_{2,3} \vee t_{e_{1,2}, \neg e_{1,3}}$
2978. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,3}, e_{2,3}} \vee e_{1,2} \vdash t_{e_{1,3}, e_{2,3}} \vee e_{2,3} \vee e_{1,2}$
2979. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{2,3} \vee \neg e_{2,5} \vee e_{1,2} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg e_{2,5} \vee e_{1,2}$
2980. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,3}, \neg e_{2,3}}$
2981. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee \neg e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,6}$
2982. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,5}$
2983. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,3}, \neg e_{2,3}} \vee e_{2,5}$
2984. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee e_{2,6} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,3}, \neg e_{2,3}} \vee e_{2,6}$
2985. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{1,2} \vee \neg e_{2,3} \vee t_{e_{1,6}, \neg e_{2,6}} \vdash \neg e_{1,2} \vee t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,6}, \neg e_{2,6}}$
2986. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{2,3} \vee t_{e_{1,6}, \neg e_{2,6}} \vee e_{1,2} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,6}, \neg e_{2,6}} \vee e_{1,2}$
2987. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,6}, \neg e_{2,6}}$
2988. $t_{e_{1,2}, e_{1,3}} \vee e_{2,3}, \neg e_{1,2} \vee \neg e_{2,3} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \vee t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,2}, \neg e_{1,3}}$

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3232. $t_{e1,3,e2,3} \vee t_{e1,3,\neg e2,3}, \neg t_{\neg e1,3,e2,3} \vee \neg t_{e1,3,e2,3} \vee e2,3 \vdash t_{e1,3,\neg e2,3} \vee \neg t_{\neg e1,3,e2,3} \vee e2,3$

3233. $t_{e1,3,e2,3} \vee t_{e1,3,\neg e2,3}, t_{e1,3,\neg e2,3} \vee \neg t_{e1,3,e2,3} \vee e2,3 \vdash e2,3 \vee t_{e1,3,\neg e2,3}$

3234. $t_{e1,3,e2,3} \vee t_{e1,3,\neg e2,3}, \neg t_{e1,3,\neg e2,3} \vee \neg t_{e1,3,e2,3} \vee e1,3 \vdash t_{e1,3,\neg e2,3} \vee \neg t_{e1,3,\neg e2,3} \vee e1,3$

3235. $t_{e1,3,e2,3} \vee t_{e1,3,\neg e2,3}, t_{e1,2,e1,3} \vee \neg t_{e1,3,e2,3} \vee e2,3 \vdash t_{e1,2,e1,3} \vee t_{e1,3,\neg e2,3} \vee e2,3$

3236. $t_{e1,3,e2,3} \vee t_{e1,3,\neg e2,3}, t_{\neg e1,2,e1,3} \vee \neg t_{e1,3,e2,3} \vee e2,3 \vdash t_{e1,3,\neg e2,3} \vee t_{\neg e1,2,e1,3} \vee e2,3$

3237. $t_{e1,5,e2,5} \vee t_{\neg e1,5,\neg e2,5}, e1,5 \vee \neg t_{e1,5,e2,5} \vee t_{\neg e1,2,\neg e2,3} \vdash e1,5 \vee t_{\neg e1,5,\neg e2,5} \vee t_{\neg e1,2,\neg e2,3}$

3238. $t_{e1,5,e2,5} \vee t_{\neg e1,5,\neg e2,5}, \neg t_{e1,5,e2,5} \vee e2,5 \vee t_{\neg e1,2,\neg e1,3} \vdash t_{\neg e1,5,\neg e2,5} \vee t_{\neg e1,2,\neg e1,3} \vee e2,5$

3239. $t_{e1,5,e2,5} \vee t_{\neg e1,5,\neg e2,5}, \neg t_{e1,5,e2,5} \vee e2,5 \vee t_{e1,2,\neg e1,3} \vdash t_{\neg e1,5,\neg e2,5} \vee e2,5 \vee t_{e1,2,\neg e1,3}$

3240. $t_{e1,5,e2,5} \vee t_{\neg e1,5,\neg e2,5}, e1,5 \vee t_{e1,2,\neg e2,3} \vee \neg t_{e1,5,e2,5} \vdash e1,5 \vee t_{\neg e1,5,\neg e2,5} \vee t_{e1,2,\neg e2,3}$

3241. $t_{e1,5,e2,5} \vee t_{\neg e1,5,\neg e2,5}, e1,5 \vee \neg t_{e1,5,e2,5} \vee t_{\neg e1,5,e2,5} \vdash e1,5 \vee t_{\neg e1,5,\neg e2,5} \vee t_{\neg e1,5,e2,5}$

3242. $t_{e1,5,e2,5} \vee t_{\neg e1,5,\neg e2,5}, t_{\neg e1,2,e1,3} \vee \neg t_{e1,5,e2,5} \vee e2,5 \vdash t_{\neg e1,2,e1,3} \vee t_{\neg e1,5,\neg e2,5} \vee e2,5$

3243. $t_{e1,5,e2,5} \vee t_{\neg e1,5,\neg e2,5}, e1,5 \vee \neg t_{e1,5,e2,5} \vee \neg t_{e1,5,\neg e2,5} \vdash e1,5 \vee t_{\neg e1,5,\neg e2,5} \vee \neg t_{e1,5,\neg e2,5}$

3244. $t_{e1,5,e2,5} \vee t_{\neg e1,5,\neg e2,5}, t_{e1,2,e1,3} \vee \neg t_{e1,5,e2,5} \vee e2,5 \vdash t_{e1,2,e1,3} \vee t_{\neg e1,5,\neg e2,5} \vee e2,5$

3245. $t_{e1,5,e2,5} \vee t_{\neg e1,5,\neg e2,5}, e1,5 \vee \neg t_{e1,5,e2,5} \vee t_{\neg e1,2,e2,3} \vdash e1,5 \vee t_{\neg e1,5,\neg e2,5} \vee t_{\neg e1,2,e2,3}$

3246. $t_{e1,5,e2,5} \vee t_{\neg e1,5,\neg e2,5}, t_{e1,5,\neg e2,5} \vee \neg t_{e1,5,e2,5} \vee e2,5 \vdash t_{e1,5,\neg e2,5} \vee t_{\neg e1,5,\neg e2,5} \vee e2,5$

3247. $t_{e1,5,e2,5} \vee t_{\neg e1,5,\neg e2,5}, \neg t_{\neg e1,5,e2,5} \vee \neg t_{e1,5,e2,5} \vee e2,5 \vdash t_{\neg e1,5,\neg e2,5} \vee \neg t_{\neg e1,5,e2,5} \vee e2,5$

3248. $t_{e1,5,e2,5} \vee t_{\neg e1,5,\neg e2,5}, e1,5 \vee t_{e1,2,e2,3} \vee \neg t_{e1,5,e2,5} \vdash e1,5 \vee t_{\neg e1,5,\neg e2,5} \vee t_{e1,2,e2,3}$

3249. $t_{\neg e1,5,e2,5} \vee t_{e1,5,e2,5}, e1,5 \vee \neg t_{e1,5,e2,5} \vee t_{\neg e1,2,\neg e2,3} \vdash e1,5 \vee t_{\neg e1,2,\neg e2,3} \vee t_{\neg e1,5,e2,5}$

3250. $t_{\neg e1,5,e2,5} \vee t_{e1,5,e2,5}, \neg t_{e1,5,e2,5} \vee e2,5 \vee t_{\neg e1,2,\neg e1,3} \vdash t_{\neg e1,2,\neg e1,3} \vee e2,5 \vee t_{\neg e1,5,e2,5}$

3251. $t_{\neg e1,5,e2,5} \vee t_{e1,5,e2,5}, \neg t_{e1,5,e2,5} \vee e2,5 \vee t_{e1,2,\neg e1,3} \vdash e2,5 \vee t_{\neg e1,5,e2,5} \vee t_{e1,2,\neg e1,3}$

3252. $t_{\neg e1,5,e2,5} \vee t_{e1,5,e2,5}, e1,5 \vee t_{e1,2,\neg e2,3} \vee \neg t_{e1,5,e2,5} \vdash e1,5 \vee t_{e1,2,\neg e2,3} \vee t_{\neg e1,5,e2,5}$

3253. $t_{\neg e1,5,e2,5} \vee t_{e1,5,e2,5}, e1,5 \vee \neg t_{e1,5,e2,5} \vee t_{\neg e1,5,e2,5} \vdash e1,5 \vee t_{\neg e1,5,e2,5}$

3254. $t_{\neg e1,5,e2,5} \vee t_{e1,5,e2,5}, t_{\neg e1,2,e1,3} \vee \neg t_{e1,5,e2,5} \vee e2,5 \vdash t_{\neg e1,2,e1,3} \vee e2,5 \vee t_{\neg e1,5,e2,5}$

3255. $t_{\neg e1,5,e2,5} \vee t_{e1,5,e2,5}, e1,5 \vee \neg t_{e1,5,e2,5} \vee \neg t_{e1,5,\neg e2,5} \vdash e1,5 \vee \neg t_{e1,5,\neg e2,5} \vee t_{\neg e1,5,e2,5}$

3256. $t_{\neg e1,5,e2,5} \vee t_{e1,5,e2,5}, t_{e1,2,e1,3} \vee \neg t_{e1,5,e2,5} \vee e2,5 \vdash t_{e1,2,e1,3} \vee e2,5 \vee t_{\neg e1,5,e2,5}$

3257. $t_{\neg e1,5,e2,5} \vee t_{e1,5,e2,5}, e1,5 \vee \neg t_{e1,5,e2,5} \vee t_{\neg e1,2,e2,3} \vdash e1,5 \vee t_{\neg e1,2,e2,3} \vee t_{\neg e1,5,e2,5}$

3258. $t_{\neg e1,5,e2,5} \vee t_{e1,5,e2,5}, t_{e1,5,\neg e2,5} \vee \neg t_{e1,5,e2,5} \vee e2,5 \vdash t_{e1,5,\neg e2,5} \vee e2,5 \vee t_{\neg e1,5,e2,5}$

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3367. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vee e_{2,3}$
3368. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, e_{3,5} \vee \neg e_{2,3} \vee e_{1,3} \vdash e_{3,5} \vee \neg t_{\neg e_{1,2}, e_{2,3}} \vee e_{1,3}$
3369. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg e_{3,6} \vee \neg e_{2,3} \vdash \neg e_{1,3} \vee \neg e_{3,6} \vee \neg t_{\neg e_{1,2}, e_{2,3}}$
3370. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}} \vee e_{1,2} \vdash \neg t_{e_{1,2}, e_{2,3}} \vee e_{2,3} \vee e_{1,2}$
3371. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, \neg e_{2,3} \vee e_{1,2} \vee e_{2,6} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \vee e_{1,2} \vee e_{2,6}$
3372. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, \neg t_{\neg e_{1,2}, e_{1,3}} \vee t_{\neg e_{1,2}, e_{2,3}} \vee e_{1,3} \vdash \neg t_{\neg e_{1,2}, e_{1,3}} \vee e_{1,3} \vee e_{2,3}$
3373. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}}$
3374. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, t_{e_{2,5}, \neg e_{2,6}} \vee t_{e_{2,5}, e_{2,6}} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{2,5}, \neg e_{2,6}} \vee t_{e_{2,5}, e_{2,6}} \vee e_{2,3}$
3375. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee \neg t_{\neg e_{1,3}, e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,3} \vee \neg t_{\neg e_{1,3}, e_{2,3}} \vee e_{2,3}$
3376. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{2,5}, \neg e_{2,6}} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{2,5}, \neg e_{2,6}} \vee e_{2,3}$
3377. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, t_{\neg e_{1,2}, e_{2,3}} \vee \neg e_{2,6} \vee \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{2,3} \vee \neg e_{2,6} \vee \neg t_{e_{2,5}, \neg e_{2,6}}$
3378. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, \neg e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, e_{2,3}}$
3379. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, \neg e_{2,3} \vee \neg e_{3,5} \vee e_{1,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \vee \neg e_{3,5} \vee e_{1,3}$
3380. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, e_{2,3}} \vee \neg t_{e_{1,3}, \neg e_{2,3}}$
3381. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, \neg e_{2,3} \vee e_{2,5} \vee e_{1,2} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \vee e_{2,5} \vee e_{1,2}$
3382. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, e_{2,3}} \vee e_{1,2}$
3383. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, t_{e_{2,5}, \neg e_{2,6}} \vee e_{1,4} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{2,5}, \neg e_{2,6}} \vee e_{2,3} \vee e_{1,4}$
3384. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, \neg e_{1,3} \vee e_{3,5} \vee \neg e_{2,3} \vdash \neg e_{1,3} \vee e_{3,5} \vee \neg t_{\neg e_{1,2}, e_{2,3}}$
3385. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, \neg e_{2,3} \vee \neg e_{2,6} \vee e_{1,2} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \vee \neg e_{2,6} \vee e_{1,2}$
3386. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, \neg t_{e_{1,6}, \neg e_{2,6}} \vee e_{1,6} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \vee e_{1,6} \vee e_{2,3}$
3387. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, e_{1,5} \vee \neg t_{e_{1,5}, e_{2,5}} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,3}$
3388. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, t_{\neg e_{2,5}, e_{2,6}} \vee e_{1,4} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{2,5}, e_{2,6}} \vee e_{2,3} \vee e_{1,4}$
3389. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, \neg e_{2,3} \vee e_{3,6} \vee e_{1,3} \vdash \neg t_{\neg e_{1,2}, e_{2,3}} \vee e_{3,6} \vee e_{1,3}$
3390. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, t_{e_{2,5}, \neg e_{2,6}} \vee t_{\neg e_{1,4}, \neg e_{2,4}} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{2,5}, \neg e_{2,6}} \vee t_{\neg e_{1,4}, \neg e_{2,4}} \vee e_{2,3}$
3391. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, \neg e_{2,5} \vee t_{\neg e_{1,2}, e_{2,3}} \vee \neg t_{\neg e_{2,5}, e_{2,6}} \vdash \neg e_{2,5} \vee e_{2,3} \vee \neg t_{\neg e_{2,5}, e_{2,6}}$
3392. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, t_{\neg e_{1,2}, e_{2,3}} \vee \neg t_{\neg e_{2,5}, e_{2,6}} \vee e_{2,6} \vdash e_{2,3} \vee \neg t_{\neg e_{2,5}, e_{2,6}} \vee e_{2,6}$
3393. $e_{2,3} \vee \neg t_{\neg e_{1,2}, e_{2,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, e_{2,3}} \vee t_{e_{1,2}, \neg e_{1,3}}$

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3610. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{1,3}}$
3611. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg e_{2,6} \vdash \neg e_{1,2} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg e_{2,6}$
3612. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,3} \vee \neg e_{2,3} \vee \neg e_{3,5} \vdash \neg e_{1,3} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg e_{3,5}$
3613. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, t_{e_{1,2}, e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,3}, \neg e_{2,3}}$
3614. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{1,3}}$
3615. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, e_{3,5} \vee \neg e_{2,3} \vee e_{1,3} \vdash e_{3,5} \vee t_{\neg e_{1,2}, e_{1,3}} \vee e_{1,3}$
3616. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,3} \vee \neg e_{3,6} \vee \neg e_{2,3} \vdash \neg e_{1,3} \vee \neg e_{3,6} \vee t_{\neg e_{1,2}, e_{1,3}}$
3617. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg e_{2,3} \vee e_{1,2} \vee e_{2,6} \vdash t_{\neg e_{1,2}, e_{1,3}} \vee e_{1,2} \vee e_{2,6}$
3618. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{1,3}} \vee t_{e_{1,2}, \neg e_{2,3}}$
3619. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}}$
3620. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{1,3}}$
3621. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg e_{2,3} \vee \neg e_{3,5} \vee e_{1,3} \vdash t_{\neg e_{1,2}, e_{1,3}} \vee \neg e_{3,5} \vee e_{1,3}$
3622. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,3}, \neg e_{2,3}}$
3623. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg e_{2,3} \vee e_{2,5} \vee e_{1,2} \vdash t_{\neg e_{1,2}, e_{1,3}} \vee e_{2,5} \vee e_{1,2}$
3624. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee e_{1,2} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{1,3}} \vee e_{1,2}$
3625. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,3} \vee e_{3,5} \vee \neg e_{2,3} \vdash \neg e_{1,3} \vee e_{3,5} \vee t_{\neg e_{1,2}, e_{1,3}}$
3626. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg e_{2,3} \vee \neg e_{2,6} \vee e_{1,2} \vdash t_{\neg e_{1,2}, e_{1,3}} \vee \neg e_{2,6} \vee e_{1,2}$
3627. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg e_{2,3} \vee e_{3,6} \vee e_{1,3} \vdash t_{\neg e_{1,2}, e_{1,3}} \vee e_{3,6} \vee e_{1,3}$
3628. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{1,3}} \vee t_{e_{1,2}, \neg e_{1,3}}$
3629. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,3} \vee \neg e_{2,3} \vee e_{3,6} \vdash \neg e_{1,3} \vee t_{\neg e_{1,2}, e_{1,3}} \vee e_{3,6}$
3630. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg e_{2,3} \vee t_{e_{1,3}, e_{2,3}} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \vee t_{e_{1,3}, e_{2,3}} \vee \neg t_{e_{1,3}, \neg e_{2,3}}$
3631. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee e_{1,3} \vdash t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vee e_{1,3}$
3632. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg e_{2,5} \vdash \neg e_{1,2} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg e_{2,5}$
3633. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{1,3}} \vee t_{\neg e_{1,2}, \neg e_{1,3}}$
3634. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{1,3}}$
3635. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg e_{1,2} \vee \neg e_{2,3} \vee e_{2,5} \vdash \neg e_{1,2} \vee t_{\neg e_{1,2}, e_{1,3}} \vee e_{2,5}$
3636. $e_{2,3} \vee t_{\neg e_{1,2}, e_{1,3}}, \neg e_{3,6} \vee \neg e_{2,3} \vee e_{1,3} \vdash \neg e_{3,6} \vee t_{\neg e_{1,2}, e_{1,3}} \vee e_{1,3}$

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3691. $t_{e_{1,6}, e_{2,6}} \vee t_{e_{1,2}, \neg e_{1,3}}, \neg t_{e_{1,6}, e_{2,6}} \vee t_{e_{1,2}, e_{2,3}} \vee e_{1,6} \vdash t_{e_{1,2}, e_{2,3}} \vee e_{1,6} \vee t_{e_{1,2}, \neg e_{1,3}}$
3692. $t_{e_{1,6}, e_{2,6}} \vee t_{e_{1,2}, \neg e_{1,3}}, \neg t_{e_{1,6}, e_{2,6}} \vee e_{1,6} \vee e_{2,3} \vdash e_{1,6} \vee e_{2,3} \vee t_{e_{1,2}, \neg e_{1,3}}$
3693. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,5}, e_{2,5}}, e_{1,5} \vee \neg t_{e_{1,5}, e_{2,5}} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \vee t_{e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{2,3}}$
3694. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,5}, e_{2,5}}, \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,5}$
3695. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,5}, e_{2,5}}, \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee e_{2,5} \vee t_{e_{1,2}, \neg e_{1,3}}$
3696. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,5}, e_{2,5}}, e_{1,5} \vee t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,5}$
3697. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,5}, e_{2,5}}, e_{1,5} \vee \neg t_{e_{1,5}, e_{2,5}} \vee t_{\neg e_{1,5}, e_{2,5}} \vdash e_{1,5} \vee t_{e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,5}, e_{2,5}}$
3698. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,5}, e_{2,5}}, t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vdash t_{\neg e_{1,2}, e_{1,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{2,5}$
3699. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,5}, e_{2,5}}, e_{1,5} \vee \neg t_{e_{1,5}, e_{2,5}} \vee \neg t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \vee t_{e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,5}, \neg e_{2,5}}$
3700. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,5}, e_{2,5}}, t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{2,5}$
3701. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,5}, e_{2,5}}, e_{1,5} \vee \neg t_{e_{1,5}, e_{2,5}} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \vee t_{e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{2,3}}$
3702. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,5}, e_{2,5}}, t_{e_{1,5}, \neg e_{2,5}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{2,5}$
3703. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,5}, e_{2,5}}, \neg t_{\neg e_{1,5}, e_{2,5}} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,5} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{2,5}$
3704. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,5}, e_{2,5}}, e_{1,5} \vee t_{e_{1,2}, e_{2,3}} \vee \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \vee t_{e_{1,2}, e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}}$
3705. $t_{e_{1,2}, \neg e_{2,3}} \vee t_{e_{1,5}, e_{2,5}}, e_{1,5} \vee \neg t_{e_{1,5}, e_{2,5}} \vee e_{2,3} \vdash e_{1,5} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{2,3}$
3706. $e_{1,2} \vee \neg t_{e_{1,2}, \neg e_{1,3}}, \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,3} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,3} \vee e_{1,2}$
3707. $e_{1,2} \vee \neg t_{e_{1,2}, \neg e_{1,3}}, t_{e_{1,2}, e_{1,3}} \vee \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg t_{\neg e_{1,2}, e_{1,3}}$
3708. $e_{1,2} \vee \neg t_{e_{1,2}, \neg e_{1,3}}, t_{\neg e_{1,5}, \neg e_{1,6}} \vee t_{\neg e_{1,4}, e_{2,4}} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,5}, \neg e_{1,6}} \vee t_{\neg e_{1,4}, e_{2,4}} \vee e_{1,2}$
3709. $e_{1,2} \vee \neg t_{e_{1,2}, \neg e_{1,3}}, \neg t_{e_{1,5}, e_{1,6}} \vee e_{1,6} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,5}, e_{1,6}} \vee e_{1,6} \vee e_{1,2}$
3710. $e_{1,2} \vee \neg t_{e_{1,2}, \neg e_{1,3}}, t_{e_{1,5}, \neg e_{1,6}} \vee t_{e_{1,5}, e_{1,6}} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,5}, \neg e_{1,6}} \vee t_{e_{1,5}, e_{1,6}} \vee e_{1,2}$
3711. $e_{1,2} \vee \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \vee e_{1,5} \vee e_{1,3} \vdash e_{1,5} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee e_{1,3}$
3712. $e_{1,2} \vee \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg e_{2,6} \vdash \neg e_{2,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,6}$
3713. $e_{1,2} \vee \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg e_{1,5} \vdash \neg e_{1,3} \vee \neg e_{1,5} \vee \neg t_{e_{1,2}, \neg e_{1,3}}$
3714. $e_{1,2} \vee \neg t_{e_{1,2}, \neg e_{1,3}}, t_{\neg e_{1,5}, \neg e_{1,6}} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,5}, \neg e_{1,6}} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{1,2}$
3715. $e_{1,2} \vee \neg t_{e_{1,2}, \neg e_{1,3}}, \neg e_{2,5} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,5} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vee e_{1,2}$
3716. $e_{1,2} \vee \neg t_{e_{1,2}, \neg e_{1,3}}, \neg t_{e_{1,6}, \neg e_{2,6}} \vee \neg e_{2,6} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,6}, \neg e_{2,6}} \vee \neg e_{2,6} \vee e_{1,2}$
3717. $e_{1,2} \vee \neg t_{e_{1,2}, \neg e_{1,3}}, \neg t_{e_{1,6}, e_{2,6}} \vee e_{2,6} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,6}, e_{2,6}} \vee e_{1,2} \vee e_{2,6}$

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4123. $t_{e_{1,5}, \neg e_{2,5}} \vee e_{2,5}, \neg e_{5,6} \vee \neg e_{2,5} \vee e_{2,3} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee \neg e_{5,6} \vee e_{2,3}$

4124. $t_{e_{1,5}, \neg e_{2,5}} \vee e_{2,5}, e_{4,5} \vee \neg e_{2,5} \vee e_{2,3} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee e_{4,5} \vee e_{2,3}$

4125. $t_{e_{1,5}, \neg e_{2,5}} \vee e_{2,5}, \neg e_{1,2} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg e_{2,5} \vdash \neg e_{1,2} \vee t_{e_{1,5}, \neg e_{2,5}} \vee t_{\neg e_{1,2}, e_{1,3}}$

4126. $t_{e_{1,5}, \neg e_{2,5}} \vee e_{2,5}, t_{\neg e_{1,2}, e_{1,3}} \vee \neg e_{2,5} \vee e_{1,2} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee t_{\neg e_{1,2}, e_{1,3}} \vee e_{1,2}$

4127. $t_{e_{1,5}, \neg e_{2,5}} \vee e_{2,5}, t_{e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg e_{2,5} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee t_{e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{1,3}}$

4128. $t_{e_{1,5}, \neg e_{2,5}} \vee e_{2,5}, \neg e_{2,5} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vee e_{1,2} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vee e_{1,2}$

4129. $t_{e_{1,5}, \neg e_{2,5}} \vee e_{2,5} \vee \neg t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,2} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee \neg t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,2}$

4130. $t_{e_{1,5}, \neg e_{2,5}} \vee e_{2,5}, \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,5} \vee e_{2,3} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee e_{2,3}$

4131. $t_{e_{1,5}, \neg e_{2,5}} \vee e_{2,5}, \neg e_{2,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,5} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee \neg e_{2,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}}$

4132. $t_{e_{1,5}, \neg e_{2,5}} \vee e_{2,5}, \neg t_{e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,5} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, \neg e_{2,3}}$

4133. $t_{e_{1,5}, \neg e_{2,5}} \vee e_{2,5}, t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,5} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}}$

4134. $t_{e_{1,5}, \neg e_{2,5}} \vee e_{2,5}, \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg t_{\neg e_{1,2}, e_{2,3}} \vee \neg e_{2,5} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg t_{\neg e_{1,2}, e_{2,3}}$

4135. $t_{e_{1,5}, \neg e_{2,5}} \vee e_{2,5}, t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,5} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}}$

4136. $\neg t_{e_1,5}, \neg e_{2,5} \vee e_{1,5}, \neg e_{1,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg t_{e_{1,5}, \neg e_{2,5}}$

$$4137. \neg t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,5}, t_{e_{1,5}, \neg e_{2,5}} \vee t_{\neg e_{1,5}, \neg e_{2,5}} \vee t_{e_{4,5}, e_{5,6}} \vdash e_{1,5} \vee t_{\neg e_{1,5}, \neg e_{2,5}} \vee t_{e_{4,5}, e_{5,6}}$$

4138. $\neg t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,5}, t_{e_{1,5}, \neg e_{2,5}} \vee t_{e_{1,5}, e_{2,5}} \vee t_{e_{4,5}, e_{5,6}} \vdash e_{1,5} \vee t_{e_{1,5}, e_{2,5}} \vee t_{e_{4,5}, e_{5,6}}$

4139. $\neg t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,5}, t_{e_{1,5}, \neg e_{2,5}} \vee \neg t_{\neg e_{4,6}, e_{5,6}} \vee \neg e_{4,6} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \vee e_{1,5} \vee \neg e_{4,6}$

4140. $\neg t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,5}, \neg e_{1,3} \vee \neg e_{1,5} \vee e_{1,2} \vdash \neg e_{1,3} \vee \neg t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,2}$

4141. $\neg t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,5}, t_{e_{1,5}, \neg e_{2,5}} \vee t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{e_{4,5}, \neg e_{5,6}} \vdash e_{1,5} \vee t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{e_{4,5}, \neg e_{5,6}}$

$$4142. \neg t_{e1,5}, \neg e_{2,5} \vee e_{1,5}, t_{e1,5}, \neg e_{2,5} \vee t_{e4,5}, \neg e_{5,6} \vee t_{\neg e4,5}, \neg e_{5,6} \vdash e_{1,5} \vee t_{\neg e4,5}, \neg e_{5,6} \vee t_{e4,5}, \neg e_{5,6}$$

4143. $\neg t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,5}, \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, e_{2,5}} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \vee \neg t_{e_{1,5}, \neg e_{2,5}} \vee t_{\neg e_{1,2}, e_{2,3}}$

4144. $\neg t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,5}, e_{4,5} \vee \neg e_{1,5} \vee e_{2,5} \vdash e_{4,5} \vee e_{2,5} \vee \neg t_{e_{1,5}, \neg e_{2,5}}$

4145. $\neg t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,5}, \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, e_{1,6}} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \vee \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vee \neg t_{e_{1,5}, \neg e_{2,5}}$

4146. $\neg t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,5}, t_{e_{1,5}, \neg e_{2,5}} \vee e_{4,6} \vee \neg t_{e_{4,5}, e_{4,6}} \vdash e_{1,5} \vee e_{4,6} \vee \neg t_{e_{4,5}, e_{4,6}}$

$$4147. \neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee t_{\neg e1,5}, \neg e2,5 \vee t_{e4,5}, \neg e5,6 \vdash e1,5 \vee t_{\neg e1,5}, \neg e2,5 \vee t_{e4,5}, \neg e5,6$$

$$4148. \neg t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,5}, t_{e_{1,5}, \neg e_{2,5}} \vee t_{e_{1,3}, \neg e_{2,3}} \vee t_{e_{4,5}, \neg e_{5,6}} \vdash e_{1,5} \vee t_{e_{1,3}, \neg e_{2,3}} \vee t_{e_{4,5}, \neg e_{5,6}}$$

4149. $\neg t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,5}, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg e_{1,5} \vdash \neg e_{1,3} \vee \neg e_{1,2} \vee \neg t_{e_{1,5}, \neg e_{2,5}}$

4231. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee t_{e1,6}, \neg e2,6 \vee \neg t_{\neg e2,5}, \neg e2,6 \vdash e1,5 \vee t_{e1,6}, \neg e2,6 \vee \neg t_{\neg e2,5}, \neg e2,6$

4232. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee e2,5 \vee t_{\neg e1,2}, \neg e2,3 \vdash e1,5 \vee e2,5 \vee t_{\neg e1,2}, \neg e2,3$

4233. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee \neg t_{\neg e2,5}, \neg e2,6 \vee t_{e1,2}, \neg e1,3 \vdash e1,5 \vee \neg t_{\neg e2,5}, \neg e2,6 \vee t_{e1,2}, \neg e1,3$

4234. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee \neg t_{\neg e1,5}, \neg e2,5 \vee t_{\neg e1,2}, e2,3 \vdash e1,5 \vee \neg t_{\neg e1,5}, \neg e2,5 \vee t_{\neg e1,2}, e2,3$

4235. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, \neg e1,5 \vee t_{e1,2}, e2,3 \vee e1,2 \vdash t_{e1,2}, e2,3 \vee \neg t_{e1,5}, \neg e2,5 \vee e1,2$

4236. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, \neg e1,2 \vee \neg e1,5 \vee t_{e1,2}, e2,3 \vdash \neg e1,2 \vee t_{e1,2}, e2,3 \vee \neg t_{e1,5}, \neg e2,5$

4237. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,3}, \neg e2,3 \vee \neg e1,5 \vee t_{e1,2}, e2,3 \vdash t_{e1,3}, \neg e2,3 \vee t_{e1,2}, e2,3 \vee \neg t_{e1,5}, \neg e2,5$

4238. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee t_{\neg e1,2}, \neg e2,3 \vee \neg t_{\neg e1,5}, \neg e2,5 \vdash e1,5 \vee \neg t_{\neg e1,5}, \neg e2,5 \vee t_{\neg e1,2}, \neg e2,3$

4239. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee e2,5 \vee t_{e1,2}, \neg e1,3 \vdash e1,5 \vee e2,5 \vee t_{e1,2}, \neg e1,3$

4240. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee t_{\neg e1,6}, e2,6 \vee e2,5 \vdash e1,5 \vee t_{\neg e1,6}, e2,6 \vee e2,5$

4241. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee t_{\neg e1,2}, e1,3 \vee \neg t_{\neg e2,5}, \neg e2,6 \vdash e1,5 \vee t_{\neg e1,2}, e1,3 \vee \neg t_{\neg e2,5}, \neg e2,6$

4242. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee e2,5 \vee t_{\neg e1,5}, e2,5 \vdash e1,5 \vee e2,5 \vee t_{\neg e1,5}, e2,5$

4243. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee t_{\neg e1,2}, \neg e1,3 \vee \neg t_{e1,5}, \neg e2,5 \vdash e1,5 \vee t_{\neg e1,2}, \neg e1,3$

4244. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, \neg e1,5 \vee t_{\neg e1,2}, \neg e1,3 \vee \neg e4,5 \vdash t_{\neg e1,2}, \neg e1,3 \vee \neg t_{e1,5}, \neg e2,5 \vee \neg e4,5$

4245. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, e5,6 \vee \neg e1,5 \vee t_{\neg e1,2}, \neg e1,3 \vdash e5,6 \vee t_{\neg e1,2}, \neg e1,3 \vee \neg t_{e1,5}, \neg e2,5$

4246. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, \neg e5,6 \vee \neg e1,5 \vee t_{\neg e1,2}, \neg e1,3 \vdash \neg e5,6 \vee t_{\neg e1,2}, \neg e1,3 \vee \neg t_{e1,5}, \neg e2,5$

4247. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, e4,5 \vee \neg e1,5 \vee t_{\neg e1,2}, \neg e1,3 \vdash e4,5 \vee t_{\neg e1,2}, \neg e1,3 \vee \neg t_{e1,5}, \neg e2,5$

4248. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee e1,5 \vee t_{\neg e1,2}, \neg e2,3 \vdash e1,5 \vee t_{\neg e1,2}, \neg e2,3$

4249. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee t_{\neg e1,2}, \neg e1,3 \vee e2,5 \vdash e1,5 \vee e2,5 \vee t_{\neg e1,2}, \neg e1,3$

4250. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee e2,5 \vee t_{e1,2}, \neg e1,3 \vdash e1,5 \vee e2,5 \vee t_{e1,2}, \neg e1,3$

4251. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee e1,5 \vee t_{e1,2}, \neg e2,3 \vdash e1,5 \vee t_{e1,2}, \neg e2,3$

4252. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee e1,5 \vee t_{\neg e1,5}, e2,5 \vdash e1,5 \vee t_{\neg e1,5}, e2,5$

4253. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee t_{\neg e1,2}, e1,3 \vee e2,5 \vdash e1,5 \vee t_{\neg e1,2}, e1,3 \vee e2,5$

4254. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee e1,5 \vee \neg t_{e1,5}, \neg e2,5 \vdash e1,5$

4255. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee t_{e1,2}, e1,3 \vee e2,5 \vdash e1,5 \vee t_{e1,2}, e1,3 \vee e2,5$

4256. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee e1,5 \vee t_{\neg e1,2}, e2,3 \vdash e1,5 \vee t_{\neg e1,2}, e2,3$

4257. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee \neg t_{\neg e1,5}, e2,5 \vee e2,5 \vdash e1,5 \vee \neg t_{\neg e1,5}, e2,5 \vee e2,5$

4285. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee e2,6 \vee t_{e1,2}, \neg e1,3 \vdash e1,5 \vee e2,6 \vee t_{e1,2}, \neg e1,3$

4286. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee t_{\neg e1,2}, e2,3 \vee e1,6 \vdash e1,5 \vee e1,6 \vee t_{\neg e1,2}, e2,3$

4287. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee t_{\neg e1,6}, e2,6 \vee e1,6 \vdash e1,5 \vee t_{\neg e1,6}, e2,6 \vee e1,6$

4288. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee t_{\neg e1,2}, \neg e1,3 \vee e2,6 \vdash e1,5 \vee t_{\neg e1,2}, \neg e1,3 \vee e2,6$

4289. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee t_{\neg e1,2}, e1,3 \vee e2,6 \vdash e1,5 \vee t_{\neg e1,2}, e1,3 \vee e2,6$

4290. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee t_{e1,6}, \neg e2,6 \vee e2,6 \vdash e1,5 \vee t_{e1,6}, \neg e2,6 \vee e2,6$

4291. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee e2,6 \vee \neg t_{\neg e1,6}, e2,6 \vdash e1,5 \vee e2,6 \vee \neg t_{\neg e1,6}, e2,6$

4292. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee t_{\neg e1,2}, \neg e2,3 \vee e1,6 \vdash e1,5 \vee t_{\neg e1,2}, \neg e2,3 \vee e1,6$

4293. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee t_{e1,2}, \neg e2,3 \vee e1,6 \vdash e1,5 \vee t_{e1,2}, \neg e2,3 \vee e1,6$

4294. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee \neg t_{e1,6}, \neg e2,6 \vee e1,6 \vdash e1,5 \vee \neg t_{e1,6}, \neg e2,6 \vee e1,6$

4295. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee t_{e1,2}, e2,3 \vee e1,6 \vdash e1,5 \vee t_{e1,2}, e2,3 \vee e1,6$

4296. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee e1,6 \vee e2,3 \vdash e1,5 \vee e1,6 \vee e2,3$

4297. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee t_{e1,2}, \neg e2,3 \vee e2,5 \vdash e1,5 \vee t_{e1,2}, \neg e2,3 \vee e2,5$

4298. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, \neg e1,3 \vee \neg e1,5 \vee \neg t_{e1,2}, \neg e1,3 \vdash \neg e1,3 \vee \neg t_{e1,2}, \neg e1,3 \vee \neg t_{e1,5}, \neg e2,5$

4299. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, \neg e1,5 \vee \neg t_{e1,2}, \neg e1,3 \vee e1,3 \vdash \neg t_{e1,2}, \neg e1,3 \vee \neg t_{e1,5}, \neg e2,5 \vee e1,3$

4300. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, \neg e1,5 \vee \neg t_{\neg e1,5}, e1,6 \vee e1,2 \vdash \neg t_{\neg e1,5}, e1,6 \vee \neg t_{e1,5}, \neg e2,5 \vee e1,2$

4301. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, \neg e1,5 \vee \neg t_{\neg e1,5}, \neg e1,6 \vee e1,2 \vdash \neg t_{\neg e1,5}, \neg e1,6 \vee \neg t_{e1,5}, \neg e2,5 \vee e1,2$

4302. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee \neg t_{\neg e2,5}, \neg e2,6 \vee e1,2 \vdash e1,5 \vee \neg t_{\neg e2,5}, \neg e2,6 \vee e1,2$

4303. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, \neg e1,5 \vee \neg t_{e1,2}, \neg e1,3 \vee t_{e1,2}, e2,3 \vdash \neg t_{e1,2}, \neg e1,3 \vee t_{e1,2}, e2,3 \vee \neg t_{e1,5}, \neg e2,5$

4304. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee e2,5 \vee e1,2 \vdash e1,5 \vee e2,5 \vee e1,2$

4305. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee e2,5 \vee e1,2 \vdash e1,5 \vee e2,5 \vee e1,2$

4306. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee e2,5 \vee e1,2 \vdash e1,5 \vee e2,5 \vee e1,2$

4307. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee e1,2 \vee e2,6 \vdash e1,5 \vee e1,2 \vee e2,6$

4308. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{\neg e1,3}, e2,3 \vee \neg e1,5 \vee \neg t_{e1,2}, \neg e1,3 \vdash t_{\neg e1,3}, e2,3 \vee \neg t_{e1,2}, \neg e1,3 \vee \neg t_{e1,5}, \neg e2,5$

4309. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee e1,2 \vee e2,6 \vdash e1,5 \vee e1,2 \vee e2,6$

4310. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee \neg t_{\neg e2,5}, \neg e2,6 \vee \neg t_{\neg e2,5}, e2,6 \vdash e1,5 \vee \neg t_{\neg e2,5}, \neg e2,6 \vee \neg t_{\neg e2,5}, e2,6$

4311. $\neg t_{e1,5}, \neg e2,5 \vee e1,5, t_{e1,5}, \neg e2,5 \vee t_{\neg e1,6}, e2,6 \vee \neg t_{\neg e2,5}, e2,6 \vdash e1,5 \vee t_{\neg e1,6}, e2,6 \vee \neg t_{\neg e2,5}, e2,6$

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4393. $t_{e1,6}, e2,6 \vee t_{\neg e1,4}, \neg e2,4, \neg t_{e1,6}, e2,6 \vee e1,6 \vee e2,3 \vdash e1,6 \vee t_{\neg e1,4}, \neg e2,4 \vee e2,3$

4394. $t_{e1,6}, e2,6 \vee t_{\neg e1,4}, \neg e2,4, \neg t_{e1,6}, e2,6 \vee e1,2 \vee e2,6 \vdash t_{\neg e1,4}, \neg e2,4 \vee e1,2 \vee e2,6$

4395. $t_{e1,5}, e2,5 \vee t_{\neg e1,4}, e2,4, e1,5 \vee \neg t_{e1,5}, e2,5 \vee t_{\neg e1,2}, \neg e2,3 \vdash e1,5 \vee t_{\neg e1,2}, \neg e2,3 \vee t_{\neg e1,4}, e2,4$

4396. $t_{e1,5}, e2,5 \vee t_{\neg e1,4}, e2,4, \neg t_{e1,5}, e2,5 \vee e2,5 \vee t_{\neg e1,2}, \neg e1,3 \vdash t_{\neg e1,2}, \neg e1,3 \vee e2,5 \vee t_{\neg e1,4}, e2,4$

4397. $t_{e1,5}, e2,5 \vee t_{\neg e1,4}, e2,4, \neg t_{e1,5}, e2,5 \vee e2,5 \vee t_{e1,2}, \neg e1,3 \vdash e2,5 \vee t_{\neg e1,4}, e2,4 \vee t_{e1,2}, \neg e1,3$

4398. $t_{e1,5}, e2,5 \vee t_{\neg e1,4}, e2,4, e1,5 \vee t_{e1,2}, \neg e2,3 \vee \neg t_{e1,5}, e2,5 \vdash e1,5 \vee t_{e1,2}, \neg e2,3 \vee t_{\neg e1,4}, e2,4$

4399. $t_{e1,5}, e2,5 \vee t_{\neg e1,4}, e2,4, e1,5 \vee \neg t_{e1,5}, e2,5 \vee t_{\neg e1,5}, e2,5 \vdash e1,5 \vee t_{\neg e1,4}, e2,4 \vee t_{\neg e1,5}, e2,5$

4400. $t_{e1,5}, e2,5 \vee t_{\neg e1,4}, e2,4, t_{\neg e1,2}, e1,3 \vee \neg t_{e1,5}, e2,5 \vee e2,5 \vdash t_{\neg e1,2}, e1,3 \vee e2,5 \vee t_{\neg e1,4}, e2,4$

4401. $t_{e1,5}, e2,5 \vee t_{\neg e1,4}, e2,4, e1,5 \vee \neg t_{e1,5}, e2,5 \vee \neg t_{e1,5}, \neg e2,5 \vdash e1,5 \vee t_{\neg e1,4}, e2,4 \vee \neg t_{e1,5}, \neg e2,5$

4402. $t_{e1,5}, e2,5 \vee t_{\neg e1,4}, e2,4, t_{e1,2}, e1,3 \vee \neg t_{e1,5}, e2,5 \vee e2,5 \vdash t_{e1,2}, e1,3 \vee e2,5 \vee t_{\neg e1,4}, e2,4$

4403. $t_{e1,5}, e2,5 \vee t_{\neg e1,4}, e2,4, e1,5 \vee \neg t_{e1,5}, e2,5 \vee t_{\neg e1,2}, e2,3 \vdash e1,5 \vee t_{\neg e1,4}, e2,4 \vee t_{\neg e1,2}, e2,3$

4404. $t_{e1,5}, e2,5 \vee t_{\neg e1,4}, e2,4, t_{e1,5}, \neg e2,5 \vee \neg t_{e1,5}, e2,5 \vee e2,5 \vdash t_{e1,5}, \neg e2,5 \vee e2,5 \vee t_{\neg e1,4}, e2,4$

4405. $t_{e1,5}, e2,5 \vee t_{\neg e1,4}, e2,4, \neg t_{\neg e1,5}, e2,5 \vee \neg t_{e1,5}, e2,5 \vee e2,5 \vdash \neg t_{\neg e1,5}, e2,5 \vee e2,5 \vee t_{\neg e1,4}, e2,4$

4406. $t_{e1,5}, e2,5 \vee t_{\neg e1,4}, e2,4, e1,5 \vee t_{e1,2}, e2,3 \vee \neg t_{e1,5}, e2,5 \vdash e1,5 \vee t_{e1,2}, e2,3 \vee t_{\neg e1,4}, e2,4$

4407. $t_{e1,5}, e2,5 \vee t_{\neg e1,4}, e2,4, e1,5 \vee \neg t_{e1,5}, e2,5 \vee e2,3 \vdash e1,5 \vee t_{\neg e1,4}, e2,4 \vee e2,3$

4408. $t_{e1,5}, e2,5 \vee t_{\neg e1,4}, e2,4, \neg t_{e1,5}, e2,5 \vee e2,5 \vee e1,2 \vdash e2,5 \vee t_{\neg e1,4}, e2,4 \vee e1,2$

4409. $t_{e1,5}, e2,5 \vee t_{\neg e1,4}, e2,4, e1,5 \vee \neg t_{e1,5}, e2,5 \vee e2,5 \vdash e1,5 \vee e2,5 \vee t_{\neg e1,4}, e2,4$

4410. $t_{e1,4}, \neg e2,4 \vee t_{e1,5}, e2,5, e1,5 \vee \neg t_{e1,5}, e2,5 \vee t_{\neg e1,2}, \neg e2,3 \vdash e1,5 \vee t_{e1,4}, \neg e2,4 \vee t_{\neg e1,2}, \neg e2,3$

4411. $t_{e1,4}, \neg e2,4 \vee t_{e1,5}, e2,5, \neg t_{e1,5}, e2,5 \vee e2,5 \vee t_{\neg e1,2}, \neg e1,3 \vdash t_{e1,4}, \neg e2,4 \vee t_{\neg e1,2}, \neg e1,3 \vee e2,5$

4412. $t_{e1,4}, \neg e2,4 \vee t_{e1,5}, e2,5, \neg t_{e1,5}, e2,5 \vee e2,5 \vee t_{e1,2}, \neg e1,3 \vdash t_{e1,4}, \neg e2,4 \vee e2,5 \vee t_{e1,2}, \neg e1,3$

4413. $t_{e1,4}, \neg e2,4 \vee t_{e1,5}, e2,5, e1,5 \vee t_{e1,2}, \neg e2,3 \vee \neg t_{e1,5}, e2,5 \vdash e1,5 \vee t_{e1,4}, \neg e2,4 \vee t_{e1,2}, \neg e2,3$

4414. $t_{e1,4}, \neg e2,4 \vee t_{e1,5}, e2,5, e1,5 \vee \neg t_{e1,5}, e2,5 \vee t_{\neg e1,5}, e2,5 \vdash e1,5 \vee t_{e1,4}, \neg e2,4 \vee t_{\neg e1,5}, e2,5$

4415. $t_{e1,4}, \neg e2,4 \vee t_{e1,5}, e2,5, t_{\neg e1,2}, e1,3 \vee \neg t_{e1,5}, e2,5 \vee e2,5 \vdash t_{e1,4}, \neg e2,4 \vee t_{\neg e1,2}, e1,3 \vee e2,5$

4416. $t_{e1,4}, \neg e2,4 \vee t_{e1,5}, e2,5, e1,5 \vee \neg t_{e1,5}, e2,5 \vee \neg t_{e1,5}, \neg e2,5 \vdash e1,5 \vee t_{e1,4}, \neg e2,4 \vee \neg t_{e1,5}, \neg e2,5$

4417. $t_{e1,4}, \neg e2,4 \vee t_{e1,5}, e2,5, t_{e1,2}, e1,3 \vee \neg t_{e1,5}, e2,5 \vee e2,5 \vdash t_{e1,2}, e1,3 \vee t_{e1,4}, \neg e2,4 \vee e2,5$

4418. $t_{e1,4}, \neg e2,4 \vee t_{e1,5}, e2,5, e1,5 \vee \neg t_{e1,5}, e2,5 \vee t_{\neg e1,2}, e2,3 \vdash e1,5 \vee t_{e1,4}, \neg e2,4 \vee t_{\neg e1,2}, e2,3$

4419. $t_{e1,4}, \neg e2,4 \vee t_{e1,5}, e2,5, t_{e1,5}, \neg e2,5 \vee \neg t_{e1,5}, e2,5 \vee e2,5 \vdash t_{e1,5}, \neg e2,5 \vee t_{e1,4}, \neg e2,4 \vee e2,5$

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4771. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, e_{1,5} \vee e_{4,5} \vee \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{1,5} \vee e_{4,5}$
4772. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, t_{\neg e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, e_{1,3}} \vee e_{1,2} \vdash t_{\neg e_{1,2}, e_{1,3}} \vee e_{2,5} \vee e_{1,2}$
4773. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg e_{1,2} \vee \neg e_{2,5} \vee e_{2,3} \vdash \neg e_{1,2} \vee t_{e_{1,2}, e_{1,3}} \vee e_{2,3}$
4774. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,2}, e_{2,3}} \vee e_{1,3} \vdash t_{e_{1,2}, e_{2,3}} \vee e_{2,5} \vee e_{1,3}$
4775. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, t_{e_{1,2}, e_{2,3}} \vee \neg e_{2,5} \vee \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,2}, e_{2,3}} \vee \neg t_{\neg e_{2,5}, e_{2,6}}$
4776. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee t_{e_{1,2}, e_{2,3}} \vee \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee t_{e_{1,2}, e_{2,3}}$
4777. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee e_{1,6} \vee \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee e_{1,6}$
4778. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee \neg e_{2,5} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee t_{\neg e_{1,2}, e_{2,3}}$
4779. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg e_{1,2} \vee \neg e_{2,3} \vee \neg e_{2,5} \vdash \neg e_{1,2} \vee t_{e_{1,2}, e_{1,3}} \vee \neg e_{2,3}$
4780. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, e_{5,6} \vee e_{1,5} \vee \neg e_{2,5} \vdash e_{5,6} \vee t_{e_{1,2}, e_{1,3}} \vee e_{1,5}$
4781. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg e_{1,5} \vee e_{4,5} \vee \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{4,5} \vee \neg e_{1,5}$
4782. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg t_{e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, e_{1,3}} \vee e_{1,3} \vdash e_{2,5} \vee \neg t_{\neg e_{1,2}, e_{1,3}} \vee e_{1,3}$
4783. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, t_{e_{1,5}, e_{2,5}} \vee \neg e_{2,5} \vee \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,5}, e_{2,5}} \vee \neg t_{e_{1,5}, \neg e_{2,5}}$
4784. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{e_{1,2}, e_{1,3}} \vee e_{1,2} \vdash t_{e_{1,3}, \neg e_{2,3}} \vee e_{2,5} \vee e_{1,2}$
4785. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg t_{e_{1,2}, e_{1,3}} \vee e_{1,3} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash e_{2,5} \vee e_{1,3} \vee t_{e_{1,2}, \neg e_{1,3}}$
4786. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,3}, e_{2,3}} \vee e_{1,2} \vdash t_{e_{1,3}, e_{2,3}} \vee e_{2,5} \vee e_{1,2}$
4787. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee t_{\neg e_{1,6}, \neg e_{2,6}} \vee \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee t_{\neg e_{1,6}, \neg e_{2,6}}$
4788. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg e_{2,3} \vee \neg e_{2,5} \vee e_{1,2} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg e_{2,3} \vee e_{1,2}$
4789. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,5} \vee e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,3}, \neg e_{2,3}} \vee e_{2,3}$
4790. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3} \vee \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,3}$
4791. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg e_{2,5} \vee t_{\neg e_{1,2}, e_{2,3}} \vee \neg e_{4,5} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{\neg e_{1,2}, e_{2,3}} \vee \neg e_{4,5}$
4792. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, e_{5,6} \vee \neg e_{2,5} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash e_{5,6} \vee t_{e_{1,2}, e_{1,3}} \vee t_{\neg e_{1,2}, e_{2,3}}$
4793. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg e_{5,6} \vee \neg e_{2,5} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg e_{5,6} \vee t_{\neg e_{1,2}, e_{2,3}}$
4794. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, e_{4,5} \vee \neg e_{2,5} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{4,5} \vee t_{\neg e_{1,2}, e_{2,3}}$
4795. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,5} \vee \neg e_{4,5} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg e_{4,5}$
4796. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, e_{5,6} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,5} \vdash e_{5,6} \vee t_{e_{1,2}, e_{1,3}} \vee t_{\neg e_{1,2}, \neg e_{2,3}}$
4797. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg e_{5,6} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg e_{5,6} \vee t_{\neg e_{1,2}, \neg e_{2,3}}$

4798. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, e_{4,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{4,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}}$
4799. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg e_{1,2} \vee t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,5} \vdash \neg e_{1,2} \vee t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,2}, \neg e_{2,3}}$
4800. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,5} \vee e_{1,2} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,2}$
4801. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, t_{e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}}$
4802. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg e_{1,2} \vee t_{e_{1,2}, e_{1,3}} \vee \neg e_{2,5} \vdash \neg e_{1,2} \vee t_{e_{1,2}, e_{1,3}}$
4803. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, t_{e_{1,2}, e_{1,3}} \vee \neg e_{2,5} \vee e_{1,2} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{1,2}$
4804. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,3}, \neg e_{2,3}}$
4805. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg e_{2,5} \vee e_{2,3} \vee \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{2,3} \vee \neg t_{\neg e_{2,5}, e_{2,6}}$
4806. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee \neg e_{2,5} \vee e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vee e_{2,3}$
4807. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg e_{1,2} \vee \neg t_{\neg e_{1,2}, e_{2,3}} \vee \neg e_{2,5} \vdash \neg e_{1,2} \vee t_{e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, e_{2,3}}$
4808. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg t_{\neg e_{1,2}, e_{2,3}} \vee \neg e_{2,5} \vee e_{1,2} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,2}, e_{2,3}} \vee e_{1,2}$
4809. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, e_{2,3}} \vee \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{1,2}, e_{2,3}}$
4810. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg e_{2,5} \vee \neg e_{4,5} \vee e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg e_{4,5} \vee e_{2,3}$
4811. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, e_{5,6} \vee \neg e_{2,5} \vee e_{2,3} \vdash e_{5,6} \vee t_{e_{1,2}, e_{1,3}} \vee e_{2,3}$
4812. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg e_{5,6} \vee \neg e_{2,5} \vee e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg e_{5,6} \vee e_{2,3}$
4813. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, e_{4,5} \vee \neg e_{2,5} \vee e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{4,5} \vee e_{2,3}$
4814. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg e_{1,2} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg e_{2,5} \vdash \neg e_{1,2} \vee t_{e_{1,2}, e_{1,3}} \vee t_{\neg e_{1,2}, e_{1,3}}$
4815. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, t_{\neg e_{1,2}, e_{1,3}} \vee \neg e_{2,5} \vee e_{1,2} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{\neg e_{1,2}, e_{1,3}} \vee e_{1,2}$
4816. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, t_{e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{1,3}} \vee \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, e_{1,3}}$
4817. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg e_{2,5} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vee e_{1,2} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vee e_{1,2}$
4818. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg e_{2,5} \vee \neg t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,2} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,2}$
4819. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,5} \vee e_{2,3} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee e_{2,3}$
4820. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg e_{2,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}}$
4821. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg t_{e_{1,2}, e_{1,3}} \vee e_{1,3} \vee e_{1,2} \vdash e_{2,5} \vee e_{1,3} \vee e_{1,2}$
4822. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg t_{e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee t_{e_{1,2}, \neg e_{2,3}}$
4823. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}}$
4824. $t_{e_{1,2}, e_{1,3}} \vee e_{2,5}, \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg t_{\neg e_{1,2}, e_{2,3}} \vee \neg e_{2,5} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg t_{\neg e_{1,2}, e_{2,3}}$

[illegible]

[illegible]

- [illegible]

4987. $\neg t_{\neg e_{1,5}, e_{2,5}} \vee e_{2,5}, t_{e_{1,5}, \neg e_{2,5}} \vee e_{2,5} \vee t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee e_{2,5}$
4988. $\neg t_{\neg e_{1,5}, e_{2,5}} \vee e_{2,5}, \neg t_{\neg e_{1,5}, e_{2,5}} \vee e_{2,5} \vee t_{\neg e_{1,5}, e_{2,5}} \vdash e_{2,5}$
4989. $\neg t_{\neg e_{1,5}, e_{2,5}} \vee e_{2,5}, e_{1,5} \vee t_{e_{1,2}, e_{2,3}} \vee t_{\neg e_{1,5}, e_{2,5}} \vdash e_{1,5} \vee t_{e_{1,2}, e_{2,3}} \vee e_{2,5}$
4990. $\neg t_{\neg e_{1,5}, e_{2,5}} \vee e_{2,5}, t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vee t_{\neg e_{1,5}, e_{2,5}} \vdash e_{2,5} \vee t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}}$
4991. $\neg t_{\neg e_{1,5}, e_{2,5}} \vee e_{2,5}, t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,5} \vee t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee e_{1,5} \vee e_{2,5}$
4992. $\neg t_{\neg e_{1,5}, e_{2,5}} \vee e_{2,5}, e_{1,5} \vee t_{e_{1,2}, e_{2,3}} \vee t_{\neg e_{1,5}, e_{2,5}} \vdash e_{1,5} \vee t_{e_{1,2}, e_{2,3}} \vee e_{2,5}$
4993. $\neg t_{\neg e_{1,5}, e_{2,5}} \vee e_{2,5}, e_{1,5} \vee t_{\neg e_{1,5}, e_{2,5}} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash e_{1,5} \vee e_{2,5} \vee t_{e_{1,2}, \neg e_{1,3}}$
4994. $\neg t_{\neg e_{1,5}, e_{2,5}} \vee e_{2,5}, t_{e_{1,2}, e_{1,3}} \vee e_{1,5} \vee t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,2}, e_{1,3}} \vee e_{1,5} \vee e_{2,5}$
4995. $\neg t_{\neg e_{1,5}, e_{2,5}} \vee e_{2,5}, e_{1,5} \vee t_{\neg e_{1,5}, \neg e_{2,5}} \vee t_{\neg e_{1,5}, e_{2,5}} \vdash e_{1,5} \vee t_{\neg e_{1,5}, \neg e_{2,5}} \vee e_{2,5}$
4996. $\neg t_{\neg e_{1,5}, e_{2,5}} \vee e_{2,5}, e_{1,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,5}, e_{2,5}} \vdash e_{1,5} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee e_{2,5}$
4997. $\neg t_{\neg e_{1,5}, e_{2,5}} \vee e_{2,5}, t_{\neg e_{1,2}, \neg e_{1,3}} \vee e_{2,5} \vee t_{\neg e_{1,5}, e_{2,5}} \vdash e_{2,5} \vee t_{\neg e_{1,2}, \neg e_{1,3}}$
4998. $\neg t_{\neg e_{1,5}, e_{2,5}} \vee e_{2,5}, e_{2,5} \vee t_{\neg e_{1,5}, e_{2,5}} \vee t_{e_{1,2}, \neg e_{1,3}} \vdash e_{2,5} \vee t_{e_{1,2}, \neg e_{1,3}}$
4999. $\neg t_{\neg e_{1,5}, e_{2,5}} \vee e_{2,5}, e_{1,5} \vee t_{e_{1,2}, \neg e_{2,3}} \vee t_{\neg e_{1,5}, e_{2,5}} \vdash e_{1,5} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{2,5}$
5000. $\neg t_{\neg e_{1,5}, e_{2,5}} \vee e_{2,5}, t_{\neg e_{1,2}, e_{1,3}} \vee e_{2,5} \vee t_{\neg e_{1,5}, e_{2,5}} \vdash e_{2,5} \vee t_{\neg e_{1,2}, e_{1,3}}$