

Домашнее задание по Математической логике №5

Приложение 2. Метод резолюций

Часть 5. 25001 – 30000

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

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4987. $e_{5,6} \vee t_{e_{1,6}, e_{2,6}}, \neg e_{4,6} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash \neg e_{4,6} \vee \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vee t_{e_{1,6}, e_{2,6}}$
4988. $e_{5,6} \vee t_{e_{1,6}, e_{2,6}}, \neg e_{5,6} \vee t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \vee t_{e_{1,6}, \neg e_{2,6}}$
4989. $e_{5,6} \vee t_{e_{1,6}, e_{2,6}}, e_{1,6} \vee e_{2,6} \vee \neg t_{e_{1,6}, e_{2,6}} \vdash e_{5,6} \vee e_{1,6} \vee e_{2,6}$
4990. $e_{5,6} \vee t_{e_{1,6}, e_{2,6}}, \neg e_{4,6} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash \neg e_{4,6} \vee \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vee t_{e_{1,6}, e_{2,6}}$
4991. $e_{5,6} \vee t_{e_{1,6}, e_{2,6}}, e_{1,6} \vee e_{2,6} \vee \neg t_{e_{1,6}, e_{2,6}} \vdash e_{5,6} \vee e_{1,6} \vee e_{2,6}$
4992. $e_{5,6} \vee t_{e_{1,6}, e_{2,6}}, \neg e_{5,6} \vee t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}}$
4993. $e_{5,6} \vee t_{e_{1,6}, e_{2,6}}, e_{1,6} \vee e_{2,6} \vee \neg t_{e_{1,6}, e_{2,6}} \vdash e_{5,6} \vee e_{1,6} \vee e_{2,6}$
4994. $e_{5,6} \vee t_{e_{1,6}, e_{2,6}}, \neg e_{5,6} \vee t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}}$
4995. $e_{5,6} \vee t_{e_{1,6}, e_{2,6}}, e_{1,6} \vee e_{2,6} \vee \neg t_{e_{1,6}, e_{2,6}} \vdash e_{5,6} \vee e_{1,6} \vee e_{2,6}$
4996. $e_{5,6} \vee t_{e_{1,6}, e_{2,6}}, e_{4,6} \vee \neg e_{5,6} \vee \neg t_{e_{4,6}, \neg e_{5,6}} \vdash e_{4,6} \vee \neg t_{e_{4,6}, \neg e_{5,6}} \vee t_{e_{1,6}, e_{2,6}}$
4997. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,5} \vee \neg e_{3,6} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vee t_{e_{4,6}, \neg e_{5,6}} \vee \neg e_{3,5} \vee t_{e_{1,6}, e_{2,6}}$
4998. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,6} \vee t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{e_{4,6}, \neg e_{5,6}} \vee t_{e_{1,6}, e_{2,6}}$
4999. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,6} \vee t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \vee t_{e_{4,6}, \neg e_{5,6}} \vee t_{e_{1,6}, e_{2,6}}$
5000. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, e_{3,5} \vee \neg e_{3,6} \vee \neg t_{e_{3,5}, \neg e_{3,6}} \vdash e_{3,5} \vee t_{e_{4,6}, \neg e_{5,6}} \vee \neg t_{e_{3,5}, \neg e_{3,6}} \vee t_{e_{1,6}, e_{2,6}}$