October 1 — Computability

1. the intuitive notion of computability
2. decidable and effectively enumerable languages
3. relationship between decidability and effective enumerability
4. effectively computable functions
5. number-theoretic sets and functions, codings
6. undecidable languages

Homework

• Read notes Section 1.4.
• Do problems 1.4.1,2,3,4,5. Due date is Friday, October 8.
• Important reminder - test is Tuesday, October 5.

Test Problems

The following three problems are take-home problems for the test and are to be grader by GradeGrinder. The problems must be submitted to GG by Thursday, October 7.

1. LPL 4.23. You should construct your own reference columns.
2. LPL 6.40. Don’t use TautCon. Use only the proof rules of $\mathcal{F}_T$.
3. LPL 7.16.