

Problem Set 2 – revised version

1. Book, 2.32 . [proving non-CFL]
(Note that the result of this problem demonstrates that the class of CFLs isn't closed under either complement or intersection. Check that you understand why.)
2. Book, 3.12 . [left reset TM] NOTE: Changed from earlier version.
3. Book, 3.18 . [decidable iff enumerable in lex order]
4. Book, 4.17 . [projection of decidable iff T-recognizable]
5. Book, 4.22 . [useless states in a PDA]
6. Book, 4.25 . [decidable DFA problem]
- 7* Book, 2.22 . [tricky CFL]

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18.404J / 18.4041J / 6.840J Theory of Computation
Fall 2020

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