Problem Set 2 – revised version

Please turn in each problem on a separate page with your name.

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.)


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]


7. Book, 2.22. [tricky CFL]