

計算理論 Theory of Computation (705 30400)

Homework 2

Due 3:30 pm, March 31, 2010

1. Exercise 2, p. 43.
2. Exercise 2, p. 47.
3. Exercise 5, p. 47.
4. Exercise 6, p. 47.
5. Exercise 3, p. 54.
6. Exercise 6, p. 58.
7. Exercise 3, p. 62.
8. Exercise 3, p. 69.
9. Exercise 6, p. 70.
10. Take your student id number but remove the first letter (B, R, etc.), use the remaining 8 digits as a number x . Find program \mathcal{P} such that $\#(\mathcal{P}) = x$.

1 PLEASE NOTE, NO EXCEPTION

- Homework is due **before the class begins** on March 31, 2010.
- Homework must be **computer typeset or neatly written**. Hand in **hardcopy**.
- You are expected to do the homework by yourself. Discussion among peers is encouraged but **copying from others is a shame**.