

Homework 13: Linear Programming, RSA**Problems**

1. (20 pts) Exercise 29.1-5.
2. (20 pts) Exercise 29.1-6.
3. (20 pts) Exercise 29.1-9.
4. (20 pts) Exercise 29.2-6.
5. (20 pts) Exercise 29.3-6 by hand (on paper).
6. (30 pts) Implement the Extended form of Euclid GCD algorithm : for two input integers a, b , return integers m, n such that $GCD(a, b) = m * a + n * b$. Submit the code to Dropbox, no need for demo with TAs.
7. (20 pts) Exercise 31.7-1.
8. (20 pts Extra Credit) Exercise 31.7-2.
9. (50 pts Extra Credit) Implement the Simplex algorithm.