

Øving 8

MA1301 Talteori

Veke 42

From the book:

3.40, 3.45, 3.47 (p.79-80)

3.57 (p.82)

4.23 (p.124)

Solve the congruence:

$$x^{37} \equiv 12 \pmod{55}$$

(Hint: View 12 as an RSA-encrypted message, and find the decryption key.)