

Project
Math 5383 Applied Modern Algebra
Due Thursday May 13

1. Read sections 15.12 and sections 16.1 through 16.8
2. Complete the calculation of the example $F = \mathbb{Z}_2[X]/X^5 + X^2 + 1$, $\alpha = X$,

$$s(z) = \alpha^{15} + \alpha^{30}z + \alpha^{17}z^2 + \alpha^{29}z^3 + \alpha^{26}z^4 + \alpha^3z^5.$$

3. Do exercises 16.1 and 16.4