# Polynomials

M = 31

ƒ(θ) = X^3 + 15\*X^2 + 29\*X + 8

ƒ'(θ) = 3\*X^2 + 30\*X + 29

ƒ'(θ)² = 9\*X^4 + 180\*X^3 + 1074\*X^2 + 1740\*X + 841

ƒ'(θ)² ∈ ℤ[θ] = 138\*X^2 + 363\*X + 481

ƒ'(m) = 3842

ƒ'(m)² = 14760964

MonicPolynomial: X^3 + 15\*X^2 + 29\*X + 8

MonicPolynomialDerivative: 3\*X^2 + 30\*X + 29

MonicPolynomialDerivativeSquared: 9\*X^4 + 180\*X^3 + 1074\*X^2 + 1740\*X + 841

MonicPolynomialDerivativeSquaredInField: 138\*X^2 + 363\*X + 481