

**T-79.159 Cryptography and Data Security**

**Spring 2004**

**Tutorial 6**

**Thursday 11.3.2004 14.15, room T3.**

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1. How secure would you expect an Elliptic Curve ElGamal cryptosystem to be with a 192-bit key ?
2. Use Pollard's  $\rho$  to factor the 11-digit number 53524124153
3. What is the Discrete Logarithm of 123 modulo  $p=541$ , where the generator  $g=2$  ?