RSA – Key generation

- Choose two large prime numbers P and Q. P=7, Q=17

- Calculate N=P*Q. N=119

- Select the public key E such that it is not a factor of (P-1)(Q-1). (P-1)(Q-1)=6*16. Let’s choose E=5

- Select the private key D such that the following is true:

  - (D*E) mod (P-1)(Q-1) = 1

- Let’s choose D=77, because 77*5 mod 96 = 1