

#### 4.3.3.4 Example 2

Q  $n=11$        $g=7$        $x=3$        $y=6$

$$y = g^x \text{ MOD } n$$

Solution Alice

$$7^3 \text{ mod } 11 = 2$$

$$4^3 \text{ mod } 11 = 9$$

Bob

$$7^6 \text{ mod } 11 = 4$$

$$2^6 \text{ mod } 11 = 9$$

