

4.3.3.6 Example 4

Q $q = 37$, $a = 13$
 $x_A = 10$ $x_B = 7$ $y = a^x \text{ MOD } q$

Solution

$$13^{10} \text{ mod } 37 = 4$$

$$13^7 \text{ mod } 37 = 32$$

$$32^{10} \text{ mod } 37 = 30$$

$$4^7 \text{ mod } 37 = 30$$

