

4.3.3.10 Example 8

$$Q: p=29 \quad g=2$$

$$a=5 \quad b=13$$

$$y = g^x \bmod p$$

Solution

$$2^5 \bmod 29 = 3$$

$$2^{13} \bmod 29 = 27$$

$$27^5 \bmod 29 = 26$$

$$3^{13} \bmod 29 = 26$$