

$$-1 \text{ mod } 31 = 30$$

$$7 \cdot 3 \text{ mod } 11$$

$$21 \text{ mod } 11$$

- 11

$$\boxed{10}$$

$$7 \cdot 30 \text{ mod } 31$$

$$210 \text{ mod } 31 = \boxed{24}$$

$$210/31 \quad 21 \cdot 6$$

$$210 - 186 = 24$$

$$9 \cdot 56 \text{ mod } 59$$

$$504 \text{ mod } 59 = \boxed{32}$$

$$504/59 = 8$$

$$8 \cdot 59$$

$$504 - 472 = 32$$

$$3^6 \text{ mod } 11 = \boxed{3}$$

$$72 \cdot 27 \text{ mod } 11$$

$$5 \cdot 5$$

$$25 \text{ mod } 11 = \boxed{3}$$

$$10^3 \text{ mod } 59 = 56$$

$$10 \cdot 10 \cdot 10$$

$$100 \cdot 10$$

$$1,000 / 59$$

$$1000$$

$$- 944$$

$$\boxed{56}$$

$$26^9 \text{ mod } 31 = 30$$

$$676 \cdot 676 \cdot 676 \cdot 676 \cdot 26$$

$$651$$

$$25 \cdot 25 \cdot 25 \cdot 25 \cdot 26$$

$$425$$

$$5 \cdot 5$$

$$25 \cdot 26$$

$$650$$

$$620$$

$$\boxed{30}$$