17 é primo $\rightarrow 2^{16} \equiv 1 \pmod{17}$ (pelo TF)   18.2.4182 Moema Moura

$(2^{16})^{261} = 1^{261} \pmod{17}$

$2^{4176} \equiv 1 \pmod{17}$

$(2^{4176} \cdot 2^{6}) \equiv (1 \cdot 2^{6}) \pmod{17}$

$2^{4182} \equiv 2^{6} \pmod{17}$

$2^{4182} \bmod 17 = 2^{6} \pmod{17}$

$2^{4182} \bmod 17 = 64 \pmod{17}$

$2^{4182} \bmod 17 = 13$