4.3.4.6 Example 3 PSA

Q
$$p^2 J^3 = 9^2 49$$

Solution O $n = p \cdot 9 = 3127$

Q $\phi(n) = (p-1)(9-1) = 12 \times 18 = 3016$

@ calculate d as private key

$$e \cdot d \mod p(n) = 1$$
 $d = \frac{k \cdot p(n) + 1}{e}$
 $= \frac{3016k + 1}{e}$

H I