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DATE :

1 teks: Saya mahasiswa Unpad, misal nilai $a=7$ dan $b=10$
18 0 24 0 12 0 7 0 18 8 18 22 0 20 13 15 0 3
 $E(x) = (ax+b) \bmod 26$
 $S = (7(18)+10) \bmod 26 = 6$
 $a = (7(0)+10) \bmod 26 = 10$
 $y = (7(24)+10) \bmod 26 = 22$
 $a = (7(0)+10) \bmod 26 = 10$
 $m = (7(12)+10) \bmod 26 = 16$
 $a = (7(0)+10) \bmod 26 = 10$
 $h = (7(7)+10) \bmod 26 = 7$
 $a = (7(0)+10) \bmod 26 = 10$
 $s = (7(18)+10) \bmod 26 = 6$
 $i = (7(8)+10) \bmod 26 = 14$
 $s = (7(18)+10) \bmod 26 = 6$
 $w = (7(22)+10) \bmod 26 = 8$
 $a = (7(0)+10) \bmod 26 = 10$
 $u = 7(20)+10 \bmod 26 = 20$
 $n = 7(13)+10 \bmod 26 = 23$
 $p = 7(15)+10 \bmod 26 = 11$
 $a = 7(0)+10 \bmod 26 = 10$
 $d = 7(3)+10 \bmod 26 = 5$

chipper text = GKWK QKHKGOGIK UXLKF

$GCD(7,26)$

$$26 = 7 \cdot 3 + 5$$

$$7 = 5 \cdot 1 + 2$$

$$5 = 2 \cdot 2 + 1$$

$$2 = 2 \cdot 1 + 0$$

$$t_0 = 0 \quad t_1 = 1 \quad q_1 = 3, q_2 = 1, q_3 = 2$$

$$t_2 = (t_0 - (q_1 \cdot t_1)) \bmod 26$$

$$(0 - (3 \cdot 1)) \bmod 26 = 23$$

$$t_3 = (t_1 - (q_2 \cdot t_2)) \bmod 26$$

$$(1 - (1 \cdot 23)) \bmod 26 = 4$$

$$t_4 = (t_2 - (q_3 \cdot t_3)) \bmod 26$$

$$(23 - (2 \cdot 4)) \bmod 26 = 15$$

$$a^{-1} = 15$$

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Notes :

$$D(y) = a^{-1} (y - b) \bmod 26$$

$$G = 15 (6 - 10) \bmod 26 = 18$$

$$K = 15 (10 - 10) \bmod 26 = 0$$

$$W = 15 (22 - 10) \bmod 26 = 24$$

$$K = 15 (10 - 10) \bmod 26 = 0$$

$$Q = 15 (16 - 10) \bmod 26 = 12$$

$$K = 15 (10 - 10) \bmod 26 = 0$$

$$H = 15 (7 - 10) \bmod 26 = 7$$

$$K = 15 (10 - 10) \bmod 26 = 0$$

$$G = 15 (6 - 10) \bmod 26 = 18$$

$$O = 15 (14 - 10) \bmod 26 = 8$$

$$G = 15 (6 - 10) \bmod 26 = 18$$

$$I = 15 (8 - 10) \bmod 26 = 22$$

$$K = 15 (10 - 10) \bmod 26 = 0$$

$$U = 15 (20 - 10) \bmod 26 = 20$$

$$X = 15 (23 - 10) \bmod 26 = 13$$

$$L = 15 (11 - 10) \bmod 26 = 15$$

$$K = 15 (10 - 10) \bmod 26 = 0$$

$$F = 15 (5 - 10) \bmod 26 = 3$$

Plain text : Saya mahasiswa Unpad