$G = \{x^i | 0 \leq i \leq 342, x^{342} = 1\}$
$\gcd(11, 343) = 1, x^{11} generates the Group.$

$p := 7; e := 3; g := x^{11}; h := x^{41};$

$$p := 7$$
$$e := 3$$
$$g := x^{11}$$
$$h := x^{41} \tag{1}$$

Step1:

$x0 := 0;$

$$x0 := 0 \tag{2}$$

$s := x^{11 \cdot 49 \mod 343}$; $h0 := x^{41 \cdot 49 \mod 343}$;

$$s := x^{196}$$
$$h0 := x^{294} \tag{3}$$

$Searching \boldsymbol{for} d0; d0 = 5 satisfies s^{d0} = h0$

$d0 := 5;$

$$d0 := 5 \tag{4}$$

$x^{196 \cdot 5 \mod 343}$;

$$x^{294} \tag{5}$$

$x1 := x0 + p^0 \cdot d0;$

$$x1 := 5 \tag{6}$$

Step 2:

$h1 := x^{(-55+41) \cdot 7 \mod 343}$;

$$h1 := x^{245} \tag{7}$$

$Searching \boldsymbol{for} d1; d1 = 3 satisfies s^{d1} = h1$

$d1 := 3;$

$$d1 := 3 \tag{8}$$

$x^{196\cdot 3 \mod 343}$;

$$x^{245} \tag{9}$$

$x2 \coloneqq x1 + p^1 \cdot d1$;

$$x2 \coloneqq 26 \tag{10}$$

Step 3:

$h2 \coloneqq x^{-286+41 \mod 343}$;

$$h2 \coloneqq x^{98} \tag{11}$$

$Searching\,\boldsymbol{for}\,d2; d2 = 4 satisfiess^{d2} = h2$

$d2 \coloneqq 4$;

$$d2 \coloneqq 4 \tag{12}$$

$x^{196\cdot 4 \mod 343}$;

$$x^{98} \tag{13}$$

$x3 \coloneqq x2 + p^2 \cdot d2$;

$$x3 \coloneqq 222 \tag{14}$$

$x3\,is\,our\,logarithm$