Consider the recurrence relation:

$$x_{n+2} = c_0 x_n + c_1 x_{n+1} \mod 3$$

Let's write the equations using the given values in the following table:

n	x_n	x_{n+1}	x_{n+2}	Equation
0	1	1	0	$0 = c_0(1) + c_1(1) \pmod 3$
1	1	0	2	$2 = c_0(1) + c_1(0) \pmod 3$

From the table, we obtain the system of congruences:

$$\begin{cases} c_0 + c_1 \equiv 0 \pmod 3 \\ c_0 \equiv 2 \pmod 3 \end{cases}$$

Step 2: Solve the system

From the second congruence:

$$c_0 = 2$$

Substitute $c_0 = 2$ into the first congruence:

$$2 + c_1 \equiv 0 \pmod 3 \quad \Rightarrow \quad c_1 \equiv -2 \equiv 1 \pmod 3$$

Final Answer:

$$c_0 = 2, \quad c_1 = 1 \pmod 3$$