$$A = \begin{pmatrix} 2 \\ 1 \end{pmatrix} \Rightarrow \xi(2) = 1 + 102 \Rightarrow \xi = \frac{2}{5} + 1 - 102 \Rightarrow \xi = \frac{2}{5} + \frac{2}{5} \Rightarrow \xi = \frac{2}{5} + \frac{2}{5} = \frac{2}{5} \Rightarrow \xi = \frac{2}{5} + \frac{2}{5} \Rightarrow \xi = \frac{2}{5} \Rightarrow \xi = \frac{2}{5} + \frac{2}{5} \Rightarrow \xi = \frac{2}{5} \Rightarrow$$

$$\tau.e.: I_n(\lambda) = \int_0^1 x^{n-1} - \lambda \cdot I_{n-1} = \frac{1}{n} - \lambda I_{n-1}$$

N3

$$I_{n} = -I_{n-1} + 6I_{n-2}$$

$$I = -\lambda^{-1} + 6\lambda^{-2}$$

$$y = \frac{5}{-17\sqrt{52}} = 5.1-3$$

$$\begin{cases}
I_{n} = a \cdot 2^{n} + b \cdot (-3)^{n} & \Rightarrow \\
I_{0} = 3
\end{cases} \Rightarrow \begin{cases}
a = 0 \\
b = 1
\end{cases} \Rightarrow I_{n} = (-3)^{n}$$