文理系 1989前期 ①

$$\begin{array}{c}
(1) & 0 \\
A_2 & A_1
\end{array}$$

$$\begin{array}{c}
A_2 & B_2
\end{array}$$

(2)
$$CA \frac{Q}{Z^n} = \frac{OB_{n+1}}{OA_n} = \frac{A_{n+1}}{A_n}$$

$$bn = an \lim_{z \to 1} \frac{dz}{z} = \frac{bn}{\lim_{z \to 1} \frac{dz}{z}} = \frac{bn}{\lim_{z \to 1} \frac{dz}{z}} = \frac{bn}{\lim_{z \to 1} \frac{dz}{z}} = \frac{bn}{\lim_{z \to 1} \frac{dz}{z}}$$

$$bn = \frac{1}{2}bn - 1 = \left(\frac{1}{2}\right)bn - 2 = \dots = \left(\frac{1}{2}\right)^{n-1}b1 = \left(\frac{1}{2}\right)^{n-1}a1 pin \theta = \left(\frac{1}{2}\right)^{n-1}pin \theta$$

$$\lim_{n\to\infty} \Delta n = \lim_{n\to\infty} \frac{1}{\lim_{n\to\infty} \frac{Q}{Z^{n-1}}} p_n d = \frac{\lim_{n\to\infty} Q}{Q}$$