

$$\begin{array}{l} \text{Z6} \\ (305) \end{array} \quad \frac{b_n}{b_{n-1}} = \frac{a_{(n-1)k+1} \cdots a_{nk} \cdot a_{nk}}{a_{(n-2)k+1} \cdots a_{(n-1)k} \cdot a_{(n-1)k}} = g^k \cdot g^k \cdots g^k = (g^k)^k = g^{k^2}$$