$\frac{Z}{X_n}$

$\boxed{\frac{Z}{B_n}}$

$\frac{A}{B_n}$

$\mathbb{P}(A > B_n X)$

$\mathbb{P}\left(\frac{A}{B_n} > X\right)$ vs $\mathbb{P}(A > X B_0)$

vs $\mathbb{P}\left(\frac{A}{B_0} > X\right)$

get ordinary vs limit

$\boxed{B_n = B_0 + \varepsilon}$