



$$G_{SK}, w_f^\alpha(n) < \eta \Rightarrow N_0(\Delta_n(t)) > 0$$

$$\left. \begin{aligned} & G_{SK}^1 \cap \{t^* \in \Delta_n^e(t)\}' \cap \{w^*(n) < \eta\}' \\ & \quad \Rightarrow \cancel{N_0(\Delta_n(t)) > 0} \\ & \cap G_{SK}^2 \cap \{j^2\} \cap \{w^*(n) < \eta\}^2 \end{aligned} \right\} \Delta$$

$$\Rightarrow \underbrace{N_0(\Delta_n(t)) > 0, M_0(\Delta_n(t) > 0)}_{=A}$$

$$\begin{aligned} & \cancel{P(A)} \quad \xrightarrow{\alpha} \\ & P(B) = P(G_{SK}^1 \cap \{j\}' \cap G_{SK}^2 \cap \{j\}^2) \\ & \quad - P(\alpha \cap \{w^*(n) \geq \eta\}' \cup \{w^*(n) \geq \eta\}^2) \\ & \quad \leq P(\underbrace{(w^*(n) \geq \eta)'}_1) + P(\underbrace{(w^*(n) \geq \eta)^2}_2) \\ & \quad \quad \text{which are small!!} \end{aligned}$$