FACT 3. Let τ be a cardinal such that $cf(\tau) > \omega$. Let $T(\tau)$ be the space of all ordinal numbers less than τ. Let A_α be closed, unbounded subset of $T(\tau)$. Let $\gamma \in T(\tau)$. Then, $\bigcap\{A_\alpha \subseteq T(\tau) : \alpha < \gamma\}$ is closed, unbounded and $|\bigcap\{A_\alpha \subseteq T(\tau) : \alpha < \gamma\}| = \tau$.