Pins: 100
Your Last Names
Math 704
HW: Complex Analysis 14
Exercise.
Let $f, g \in H(G)$, with $G$ is open and connected, satisfy

$$
f(z) g(z)=0 \quad \text { for each } \quad z \in G .
$$

Show that $f(z)=0$ for each $z \in G$ or $g(z)=0$ for each $z \in G$.

