

$$\begin{aligned}
 f : \mathbb{C}^2 &\rightarrow \mathbb{C} : \\
 f &: xy^2 + 2y^2 + 1 \\
 D &= \{(x,y) : \frac{x^2}{4} + y^2 \leq 1 \wedge x \leq 0\} \\
 \text{Borde de } D &= x = 0 \wedge -1 \leq y \leq 1 \\
 x &= -\sqrt{4 - 4y^2}
 \end{aligned}$$