

$f, g \in C^1(\Omega)$, γ - droga \succ a - punkt
 b - koniec

$$\int_{\gamma} f(z) \cdot g'(z) dz = f(z) \cdot g(z) \Big|_a^b - \int_{\gamma} f'(z) \cdot g(z) dz$$

D-a

$$(f(z) \cdot g(z))' = f'(z) \cdot g(z) + f(z) \cdot g'(z)$$

$$f(z) \cdot g'(z) = (f(z) \cdot g(z))' - f'(z) \cdot g(z)$$

$$\int_{\gamma} f(z) \cdot g'(z) dz = f(z) \cdot g(z) \Big|_a^b - \int_{\gamma} f'(z) \cdot g(z) dz$$

