Exemplo

$$I(x,y) = \int\int^{x,y} f(x,y)\,dx\,dy \;;$$

$$I(x,y) = \int_0^1 \int_0^1 x \cdot y \cdot dx\,dy \longrightarrow \int_0^1 x\,dx \cdot \left[\frac{y^2}{2}\right]_0^1$$

$$I(x,y) = \int_0^1 \frac{1}{2} x\,dx \longrightarrow \frac{1}{2} \cdot \frac{x^2}{2}\bigg|_0^1 = \frac{1}{2} \cdot \frac{1}{2}$$

$$I(x,y) = \frac{1}{4}$$

$$I(x,y) = \int_0^1 \int_0^x x \cdot y \cdot dx \, dy \longrightarrow \int_0^1 x \, dx \left[\frac{y^2}{2} \right]_0^x$$

$$I(x,y) = \int_0^1 x \, dx \cdot \left[\frac{x^2}{2} \right] \longrightarrow \int_0^1 \frac{x^3}{2} \cdot dx$$

$$I(x,y) = \frac{1}{2} \cdot \left. \frac{x^4}{4} \right|_0^1 \longrightarrow I(x,y) = \frac{1}{2} \cdot \frac{1}{4}$$

$$I(x,y) = \frac{1}{8}$$