Caso general
$$p \in (0, \infty)$$

$$f_{p}(x) = \frac{1}{x^{p}(1+1|x|x|)^{p}}$$

$$f_{p}(x) = (f_{1}(x))^{\frac{1}{p}}$$

$$f_{p}^{q} = f_{1}(x)^{q} + f_{2}(x)^{q}$$

$$f_{p}^{q} = (f_{1})^{q} + f_{3}(x)^{q} + f_{4}(x)^{q}$$