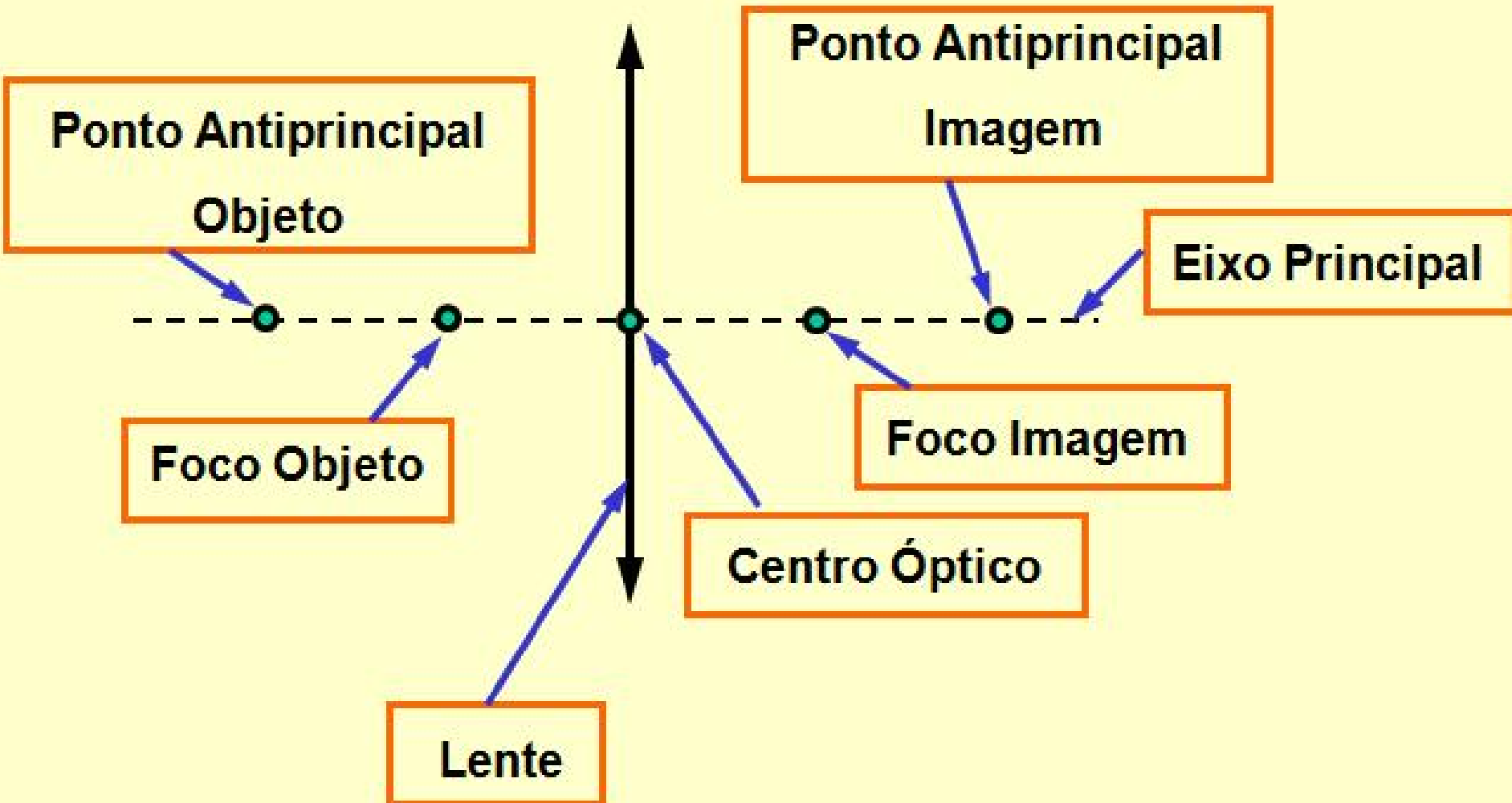


# Lentes Esféricas

Professor Alex Siqueira

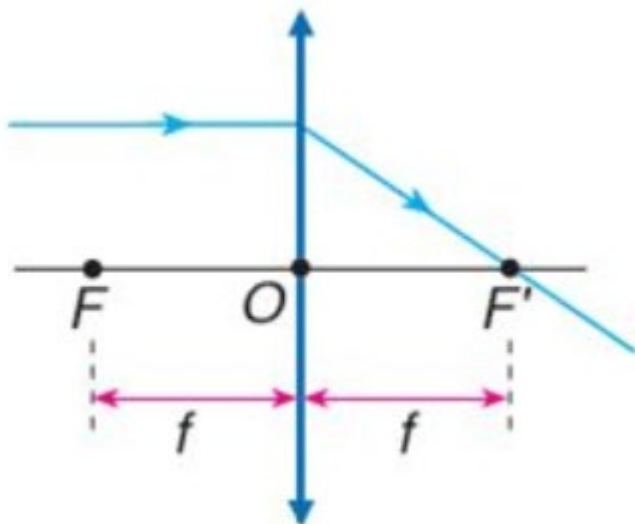
# Elementos de uma Lente Esférica



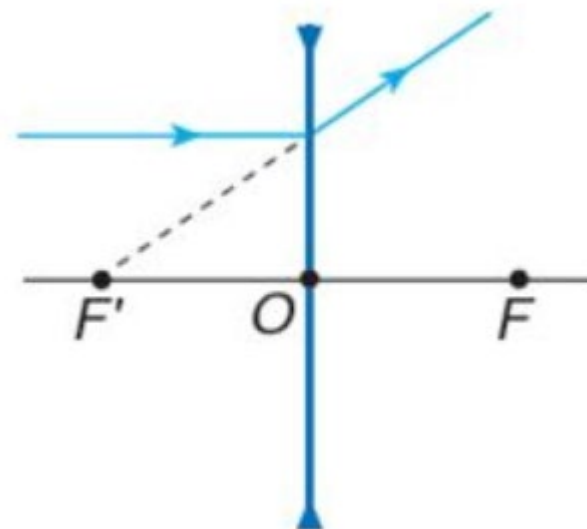
# Raios Notáveis

## \* Raio Luminoso Paralelo ao Eixo Principal

Convergente



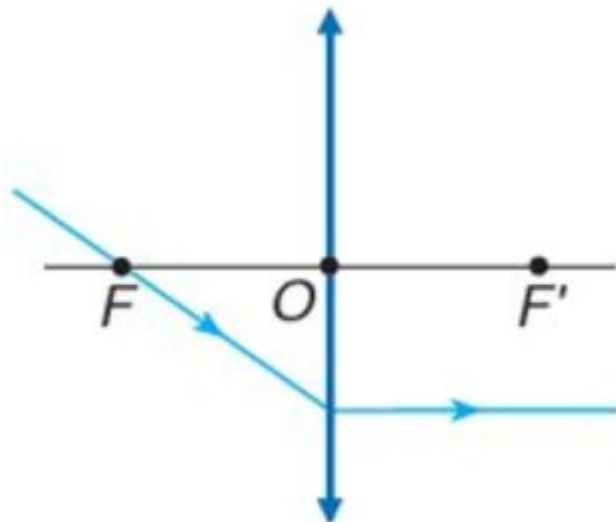
Divergente



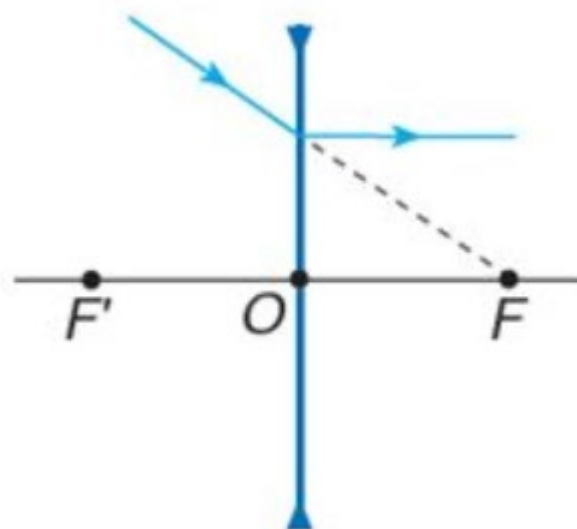
# Raios Notáveis

## \* Raio Luminoso na Direção do Foco

Convergente



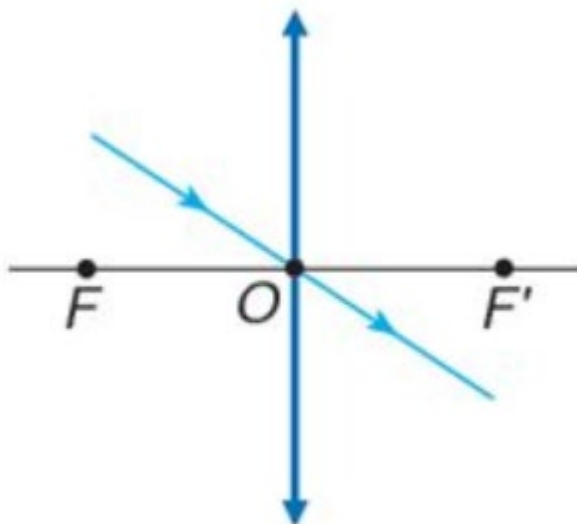
Divergente



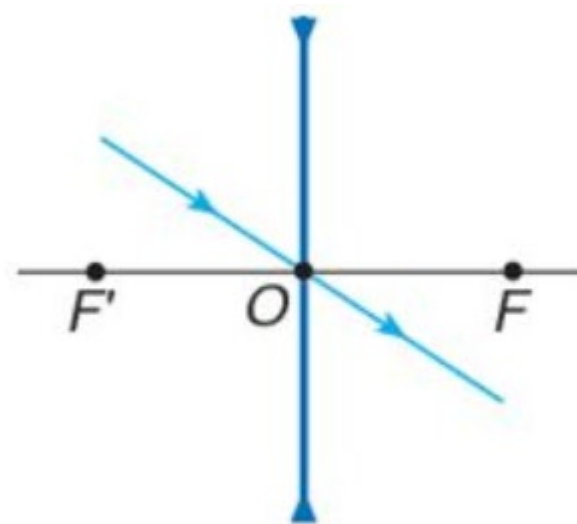
# Raios Notáveis

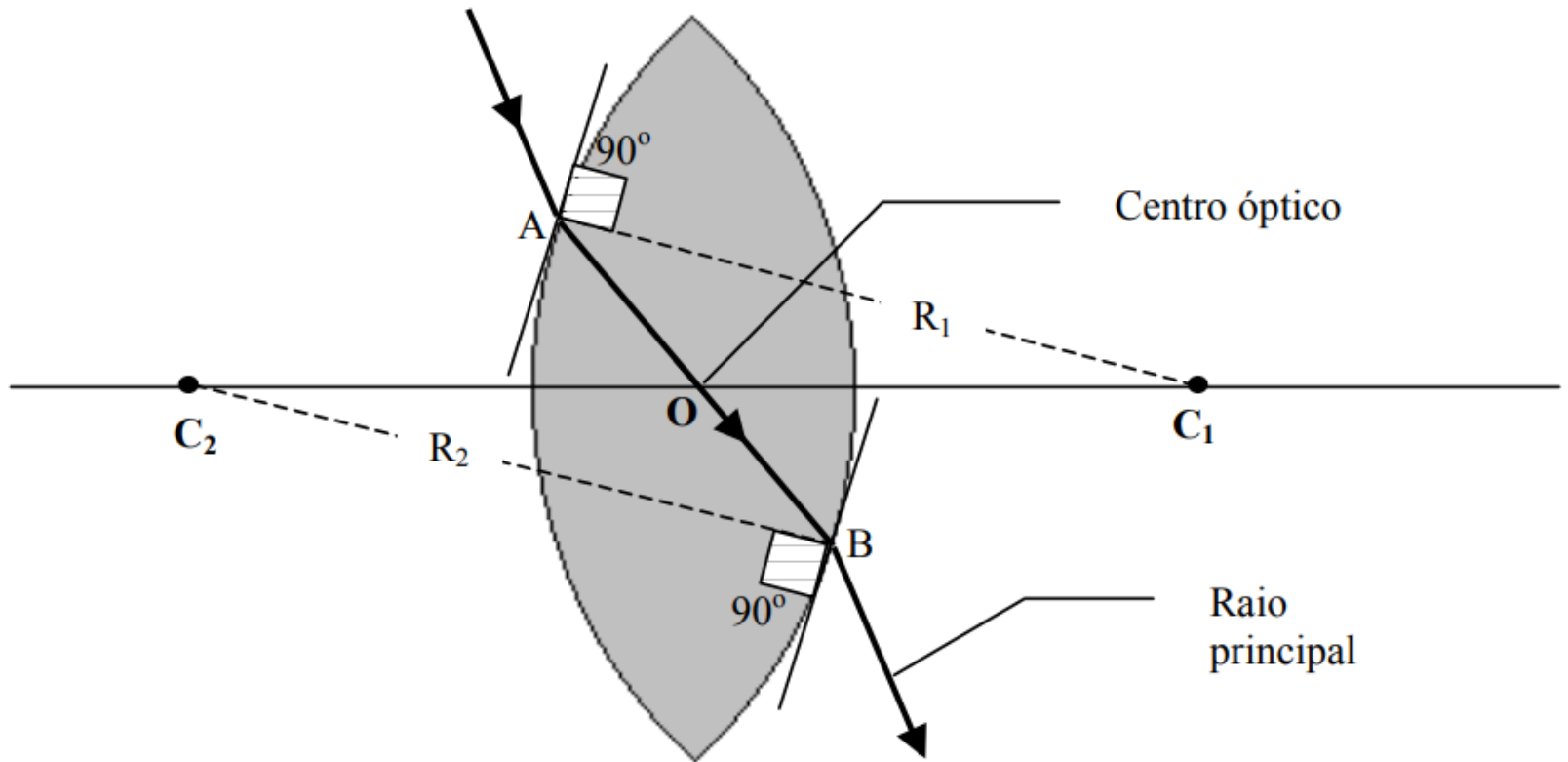
## \* Raio Luminoso Incidente no Centro Óptico (Vértice)

Convergente



Divergente

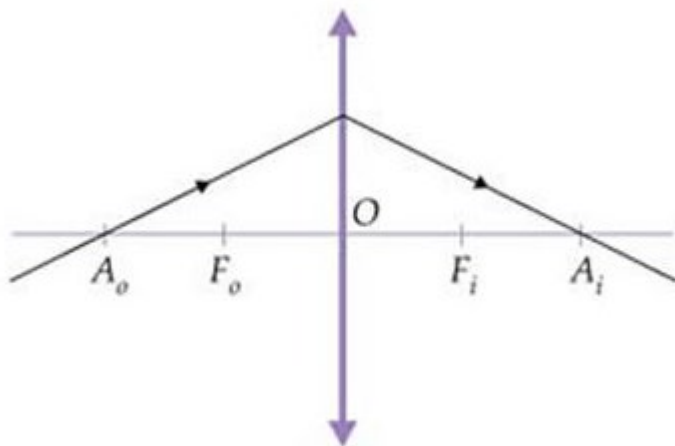




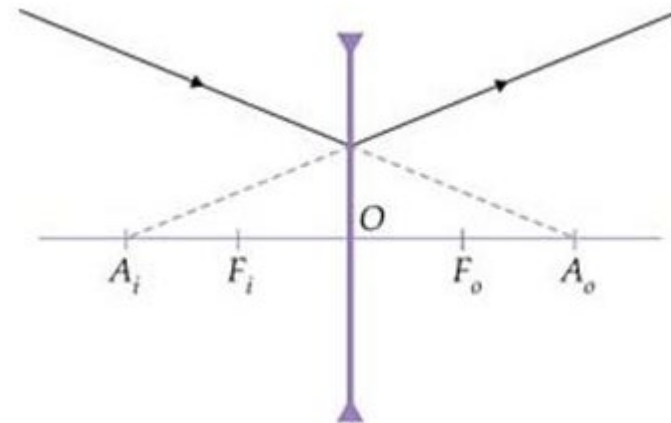
# Raios Notáveis

## \* Raio Luminoso na Direção do Ponto Antiprincipal

Convergente



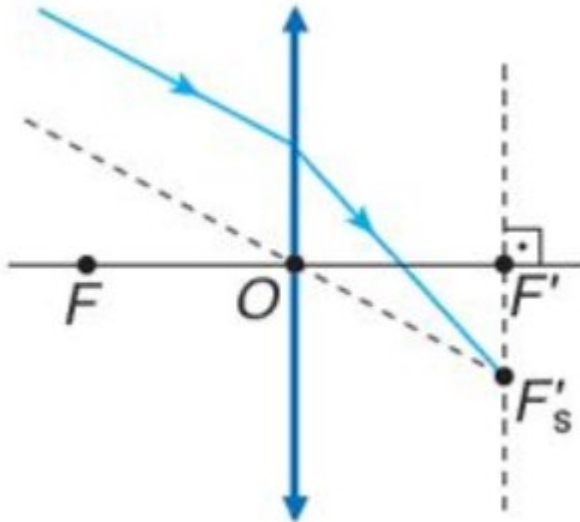
Divergente



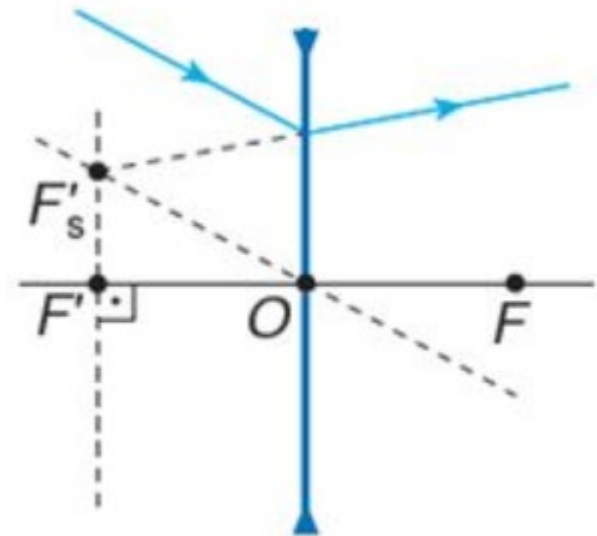
# Raios Notáveis

## \* Raio Luminoso Qualquer

Convergente

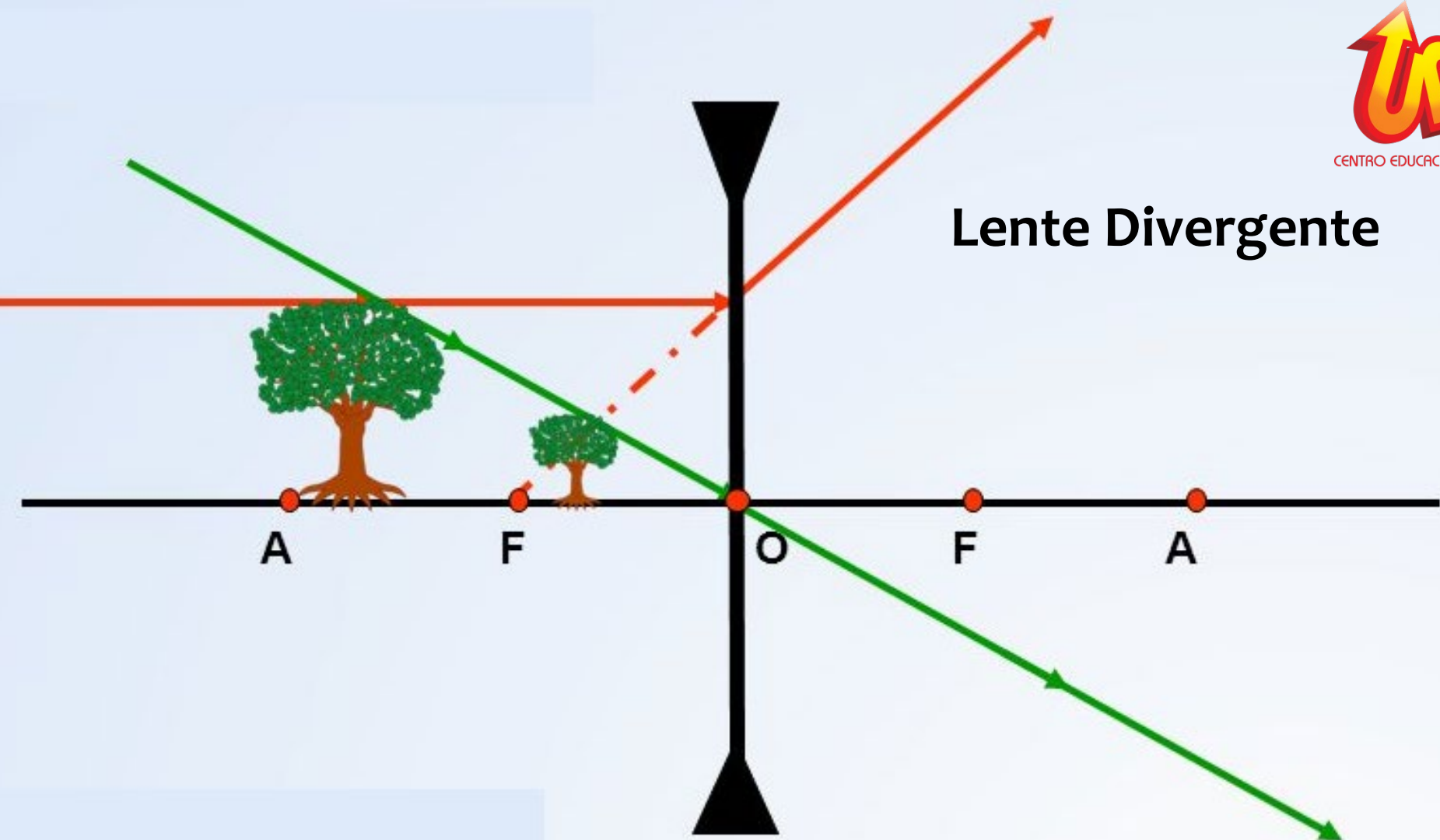


Divergente



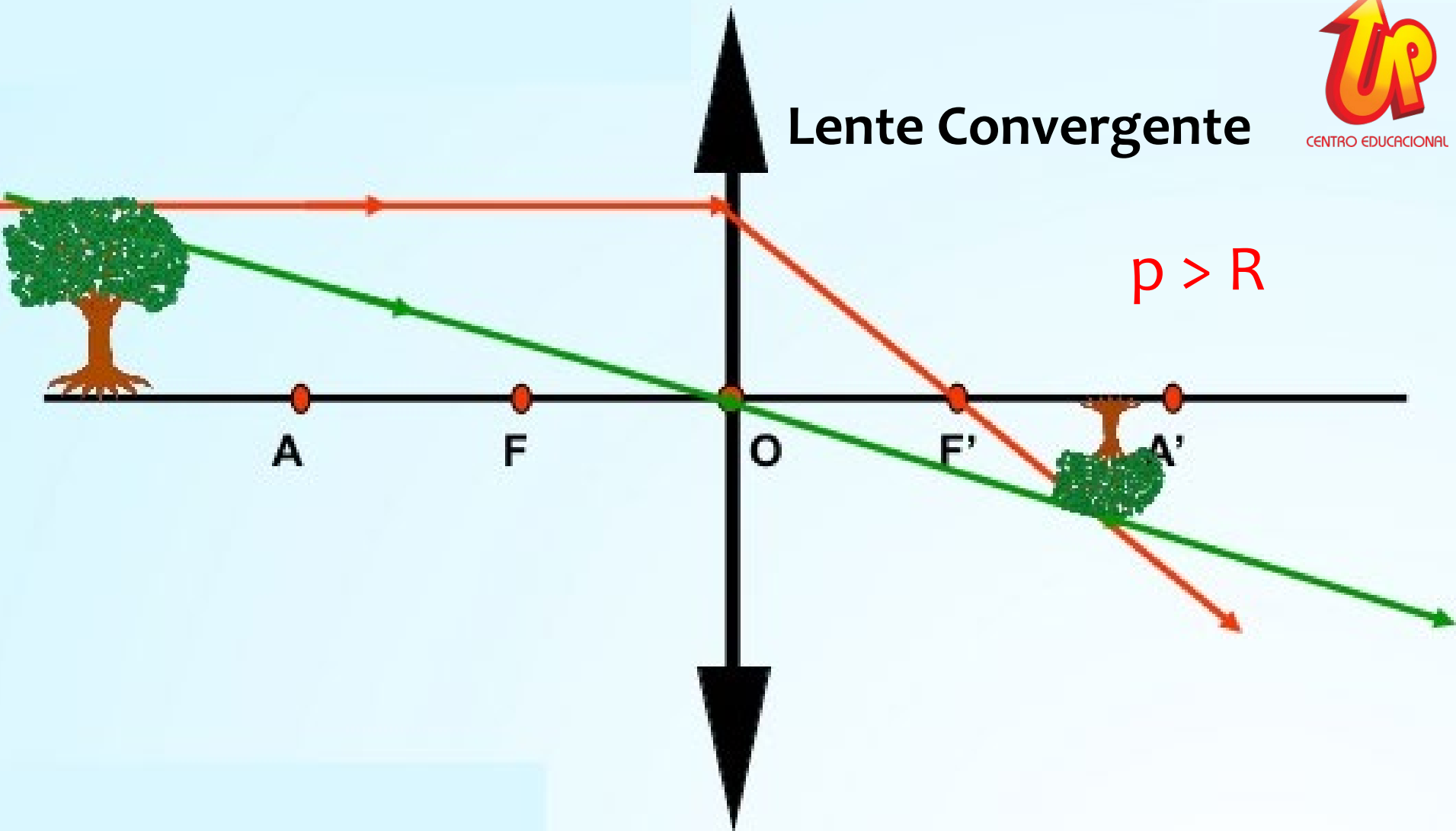






**Imagem: Virtual, Direita e Menor**

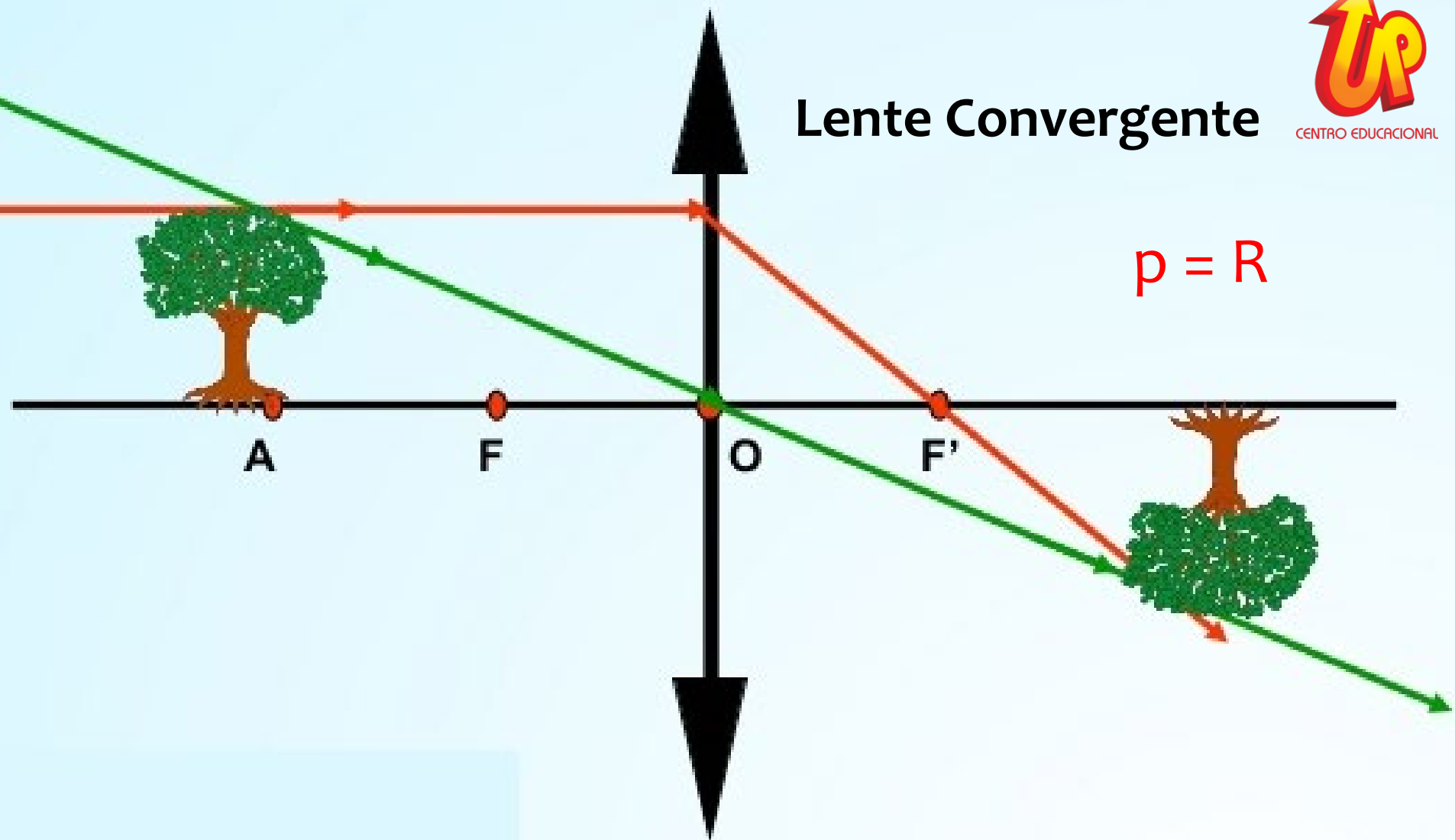
**Correção de Miopia**



**Imagem: Real, Invertida e Menor**

**Câmera Fotográfica, Olho.**

# Lente Convergente



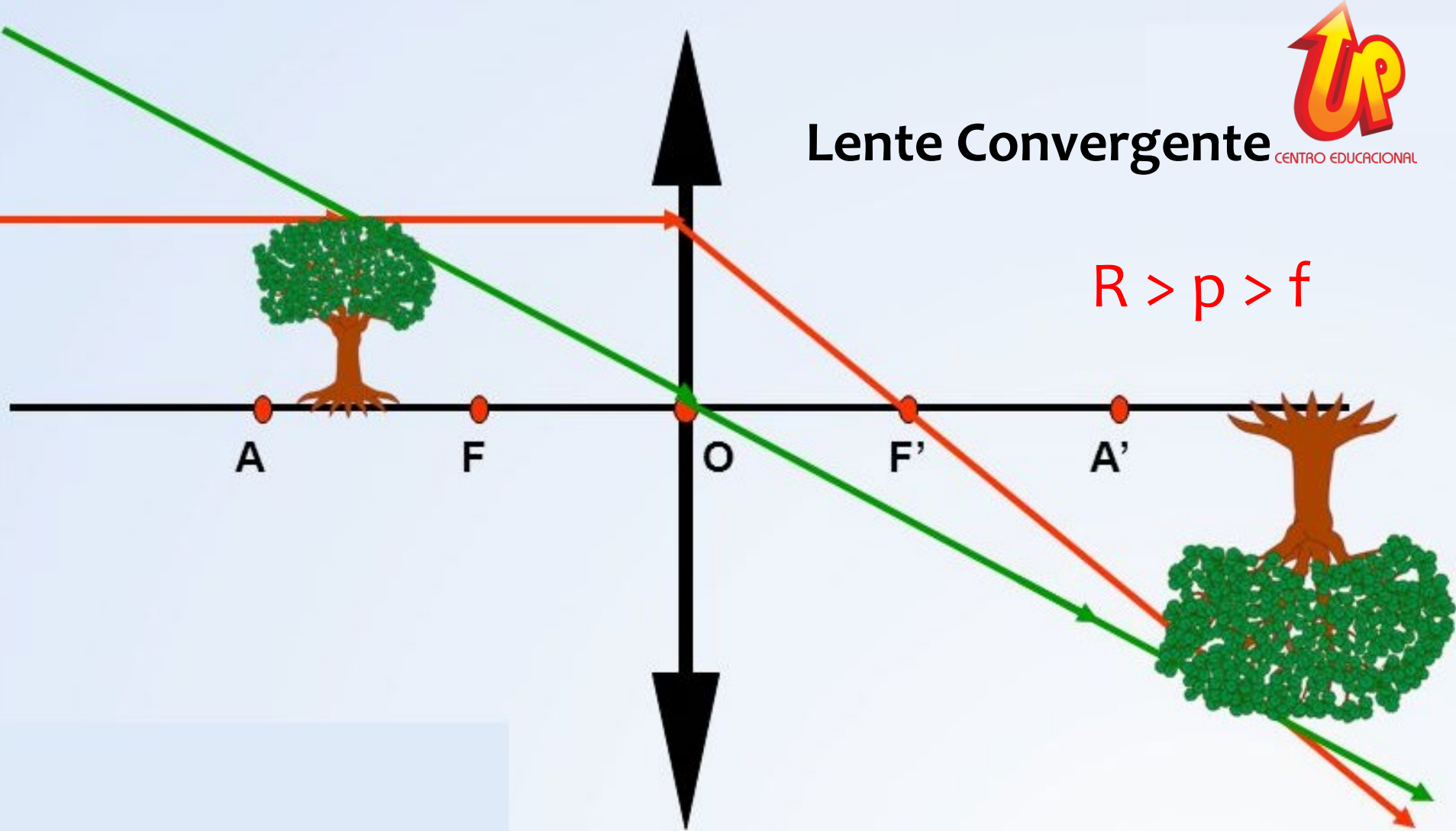
**Imagem: Real, Invertida e Igual**

**Copiadora**



# Lente Convergente

$$R > p > f$$

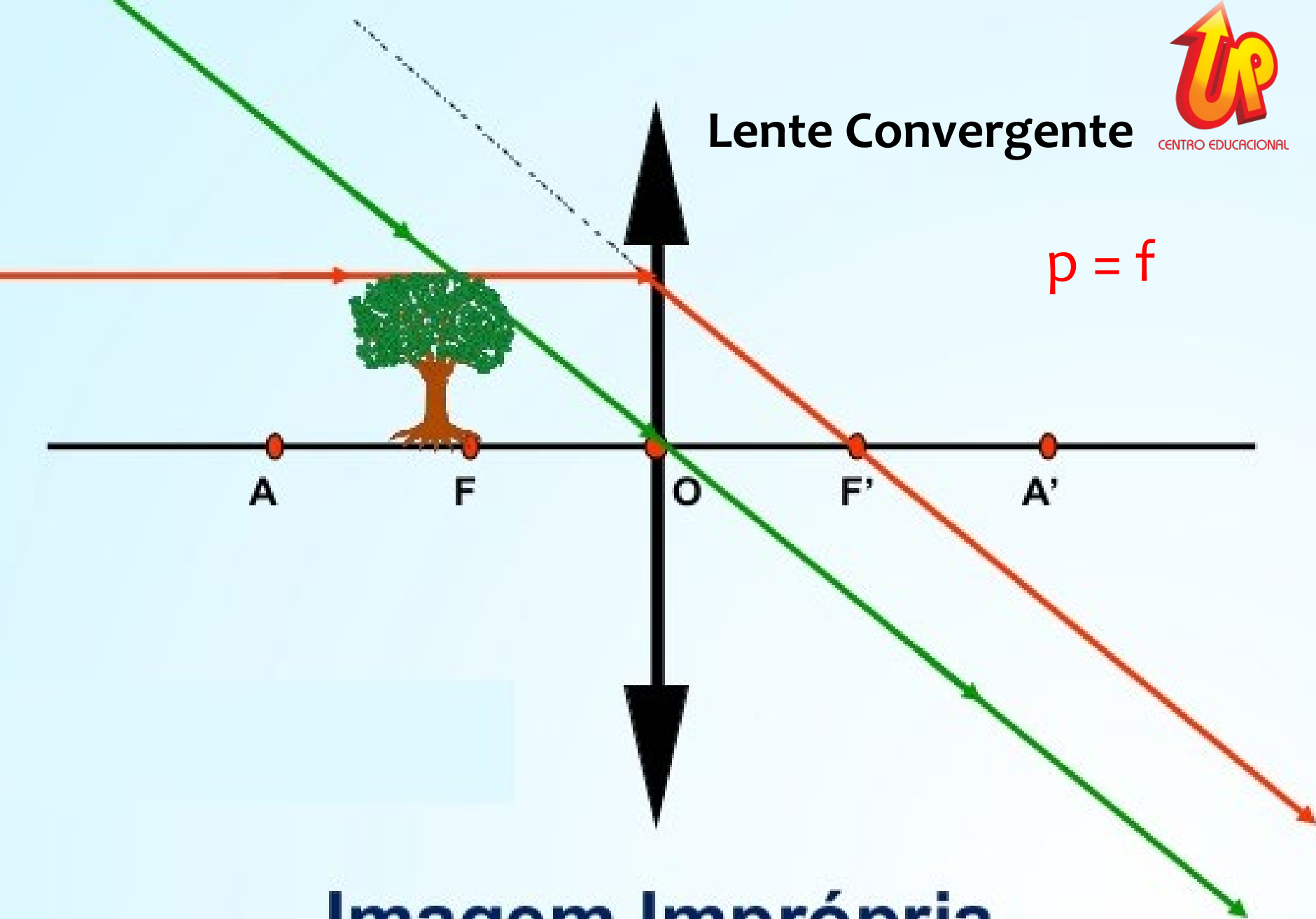


**Imagem: Real, Invertida e Maior**

**Projektor de Slides**

# Lente Convergente

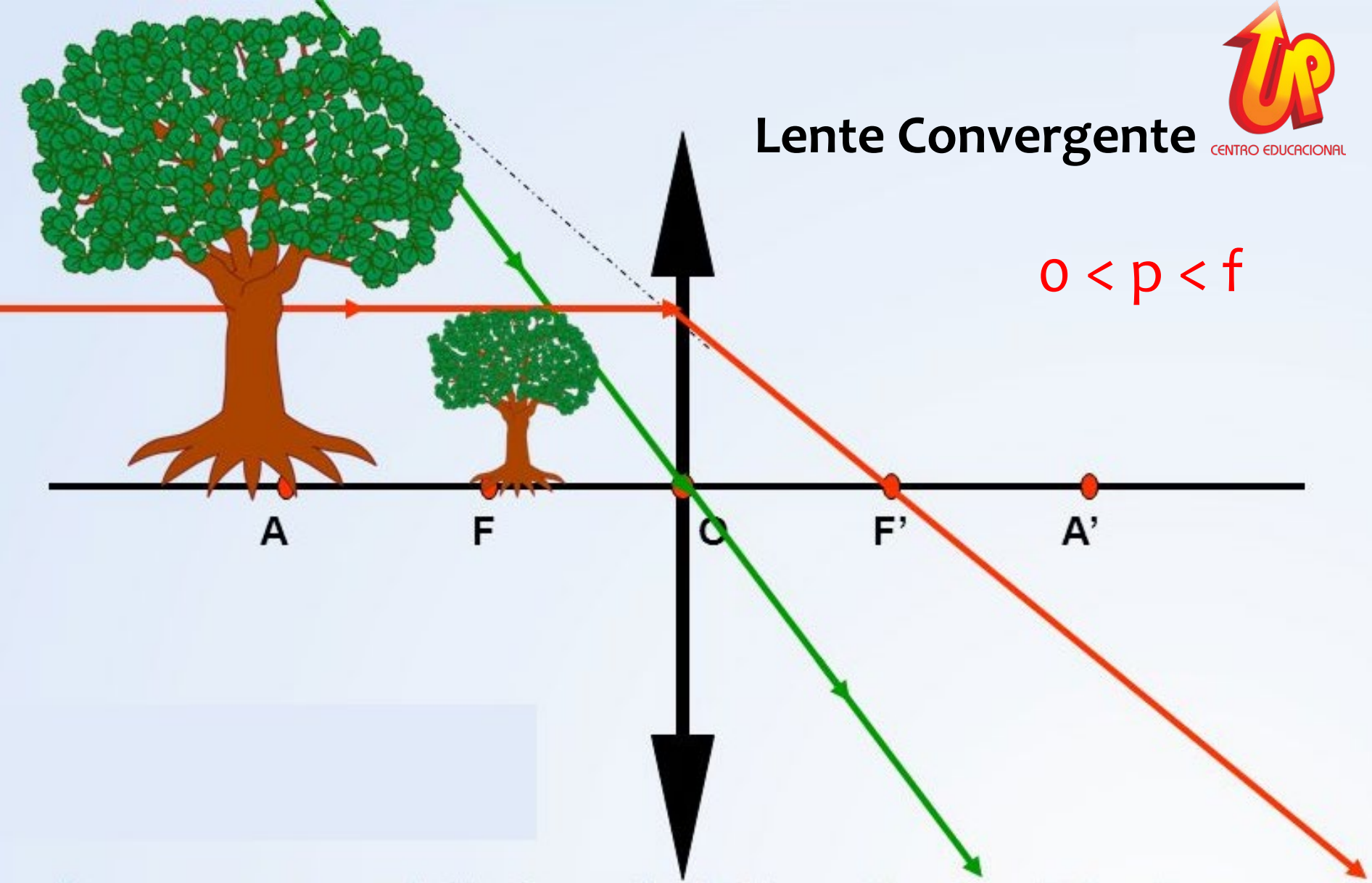
$$p = f$$



## Imagem Imprópria

# Lente Convergente

$$0 < p < f$$



**Imagem: Virtual, Direita e Maior**

**Lupa, Correção de Hipermetropia e Presbiopia**