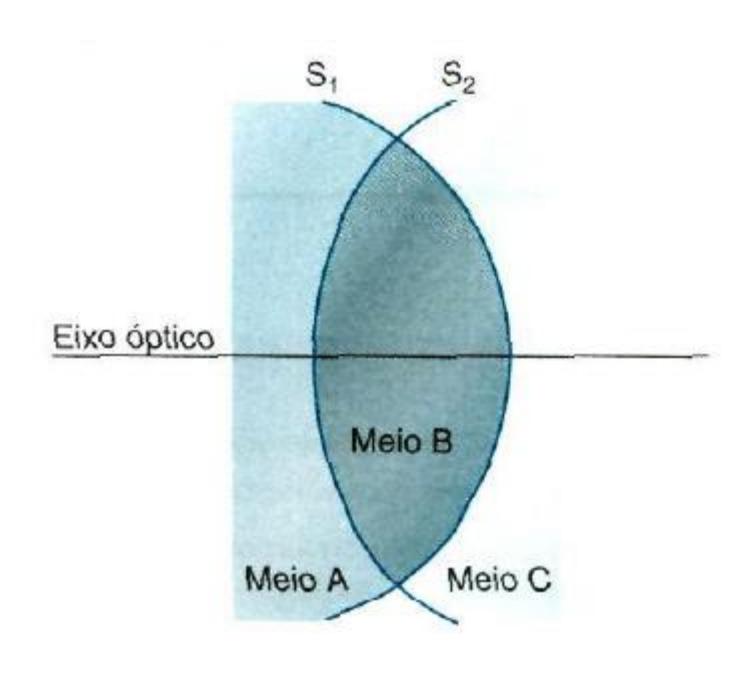
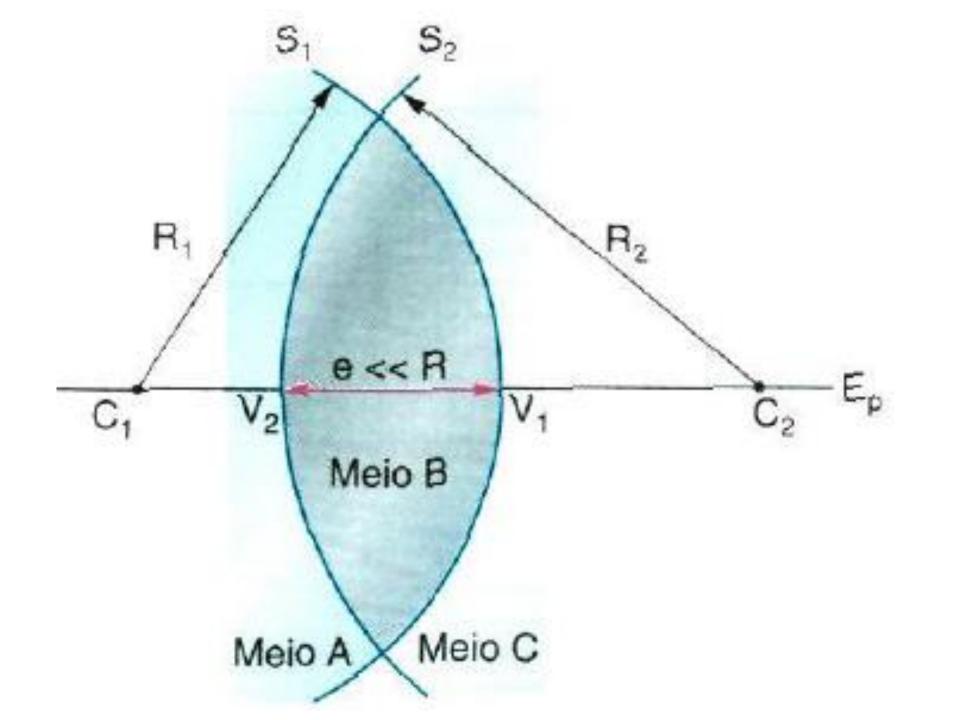
ÓPTICA

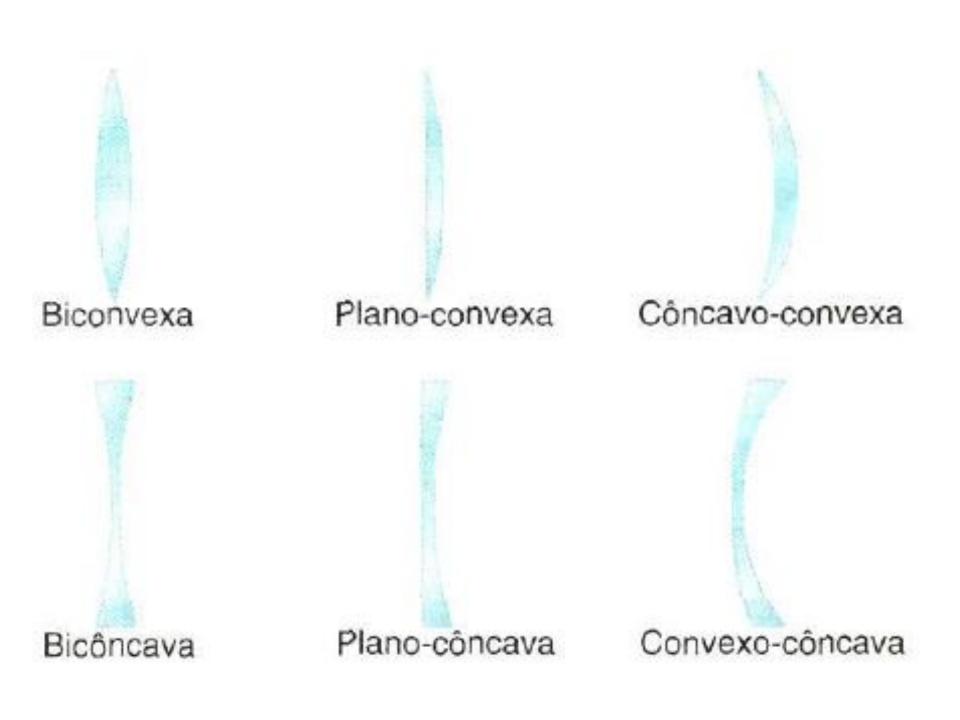
LENTES ESFÉRICAS

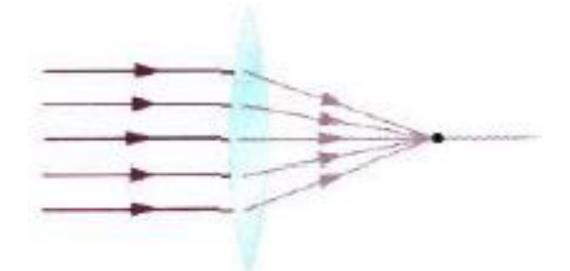


LENTES ESFÉRICAS

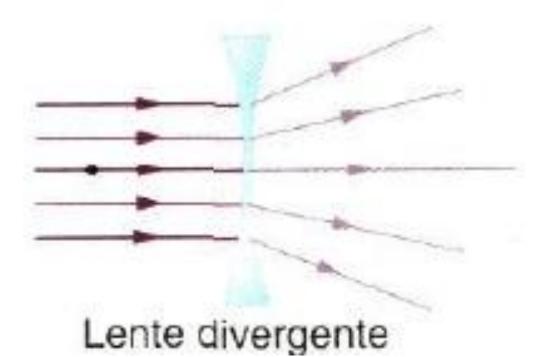






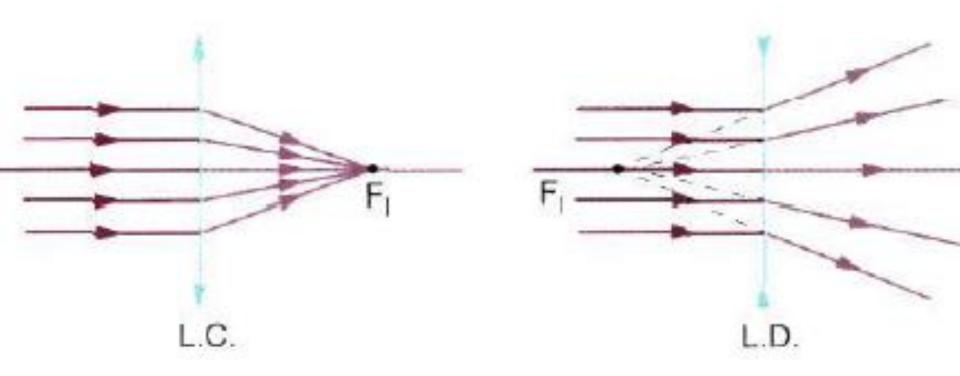


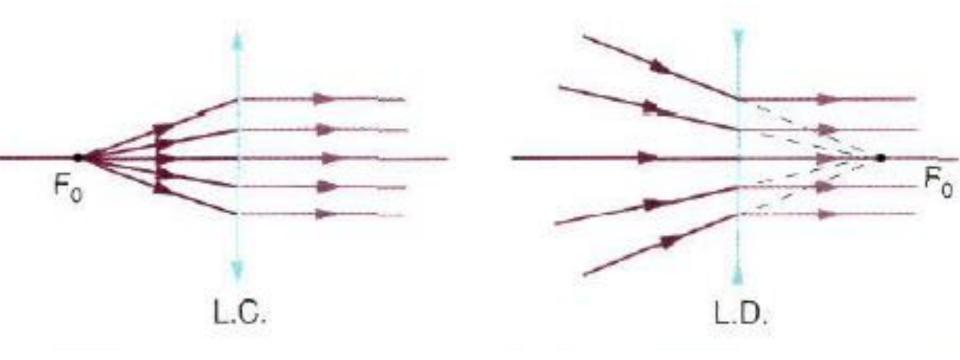
Lente convergente

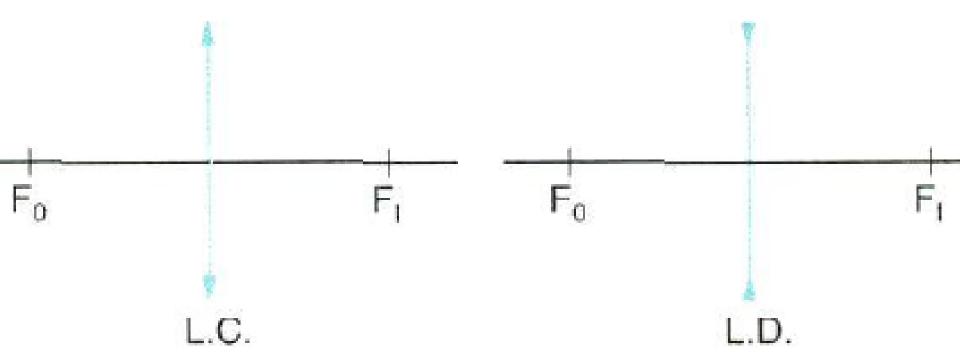


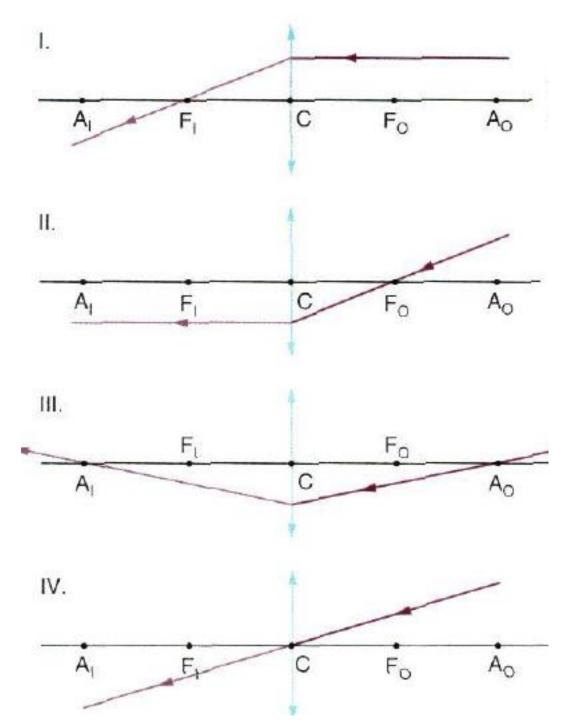


lente convergente lente divergente



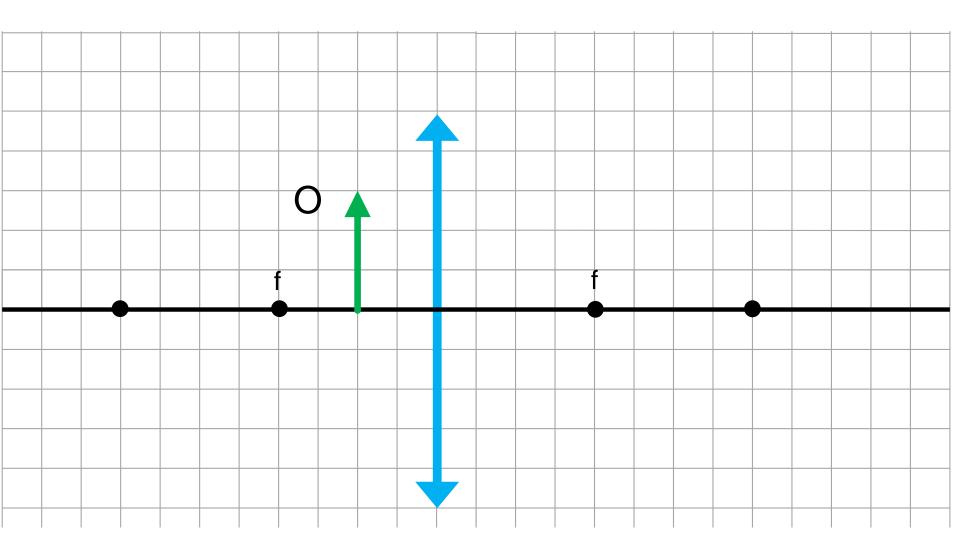


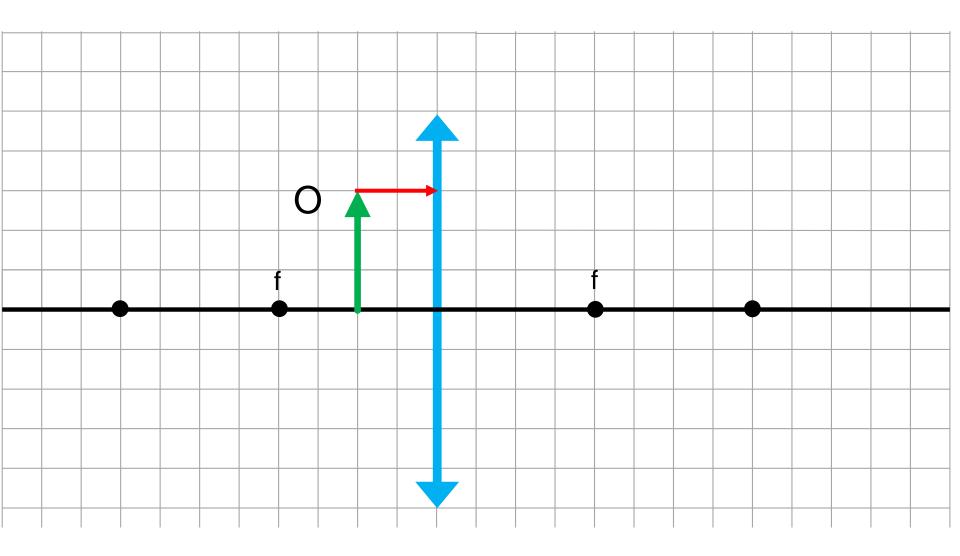


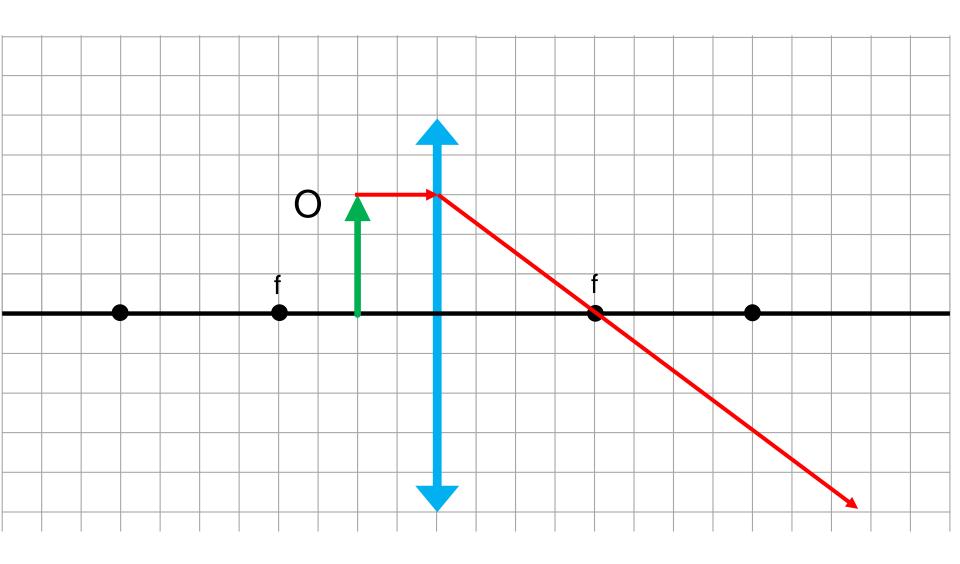


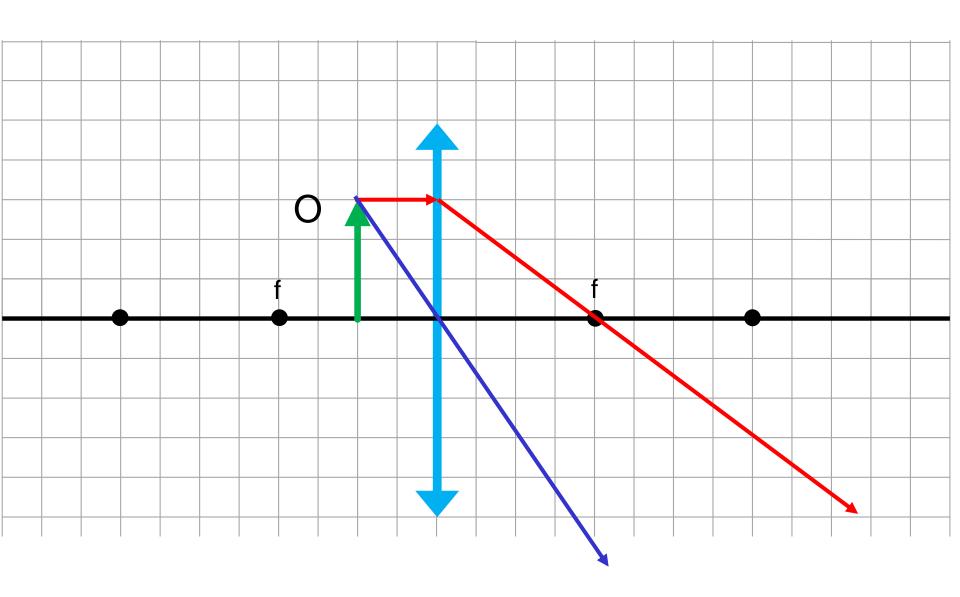
LENTES CONVERGENTES

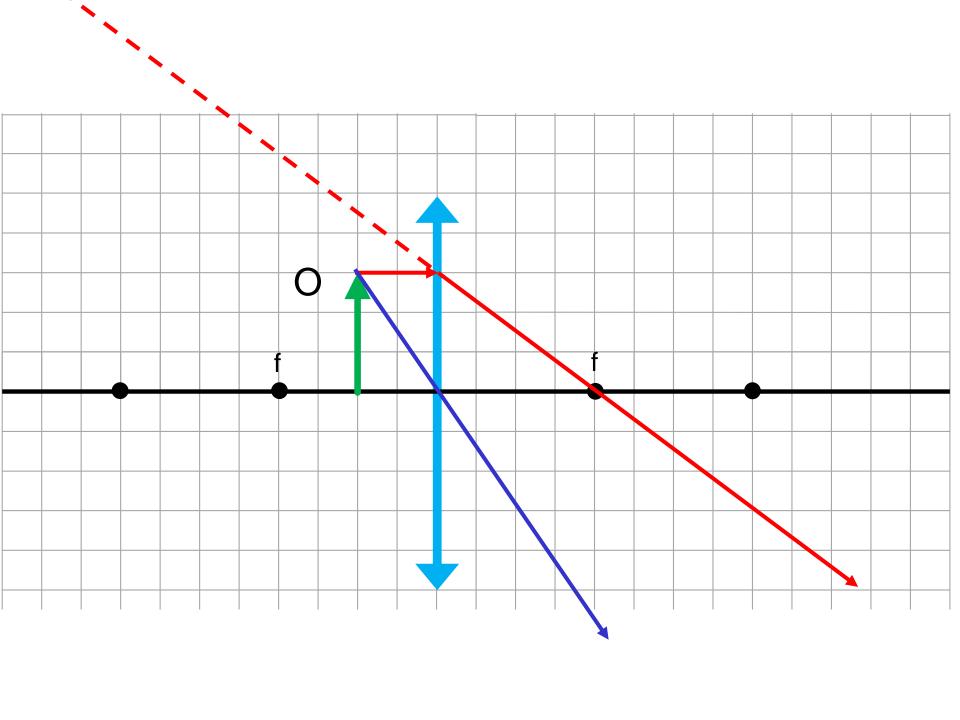
Primeiro caso

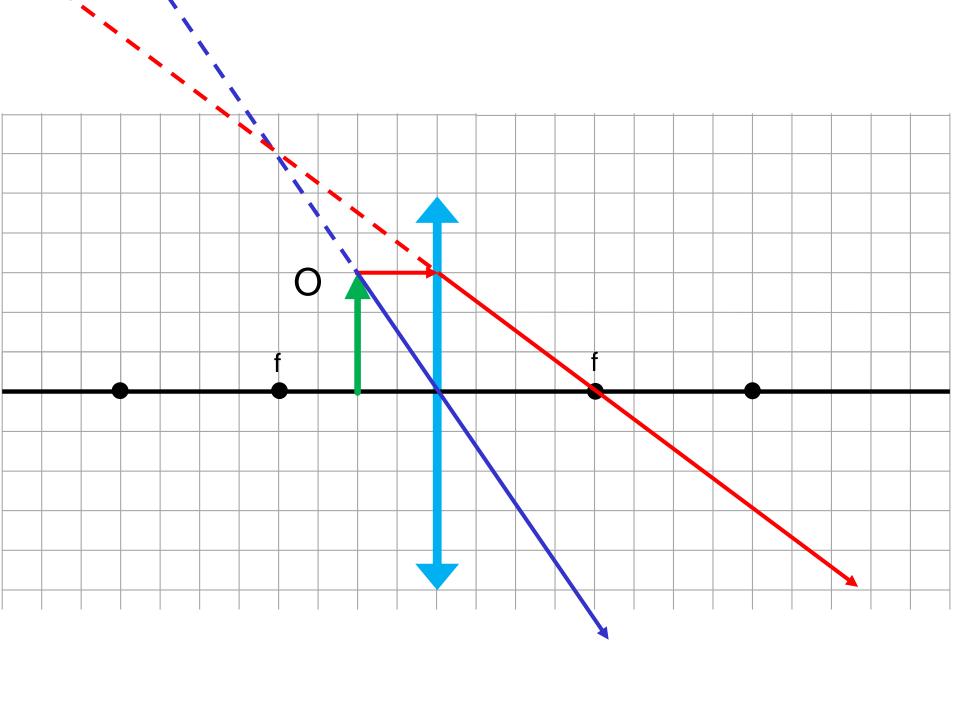


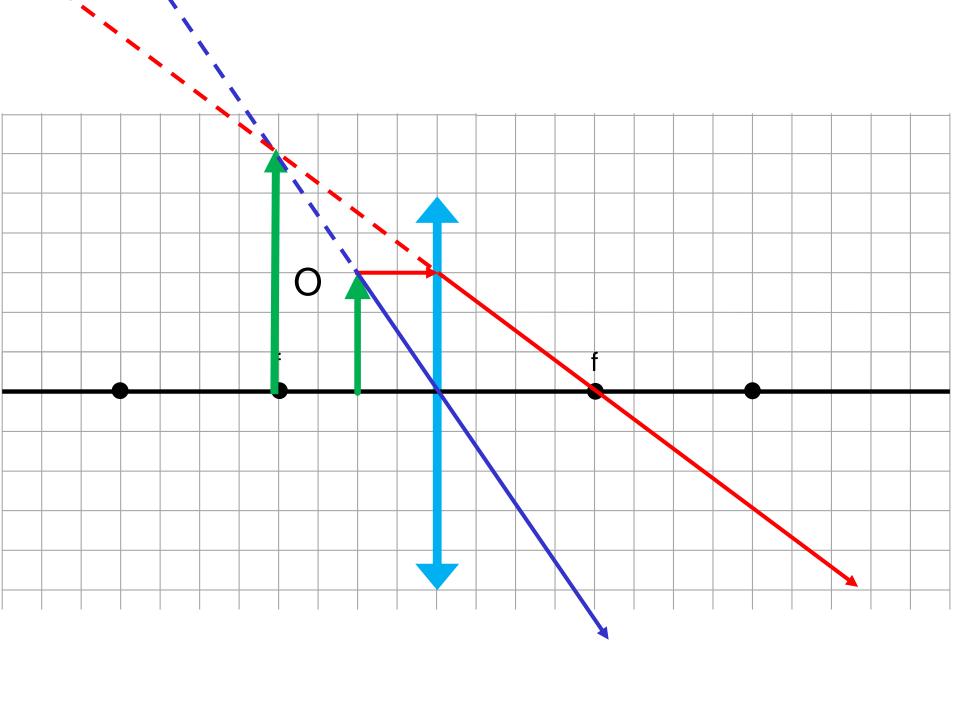


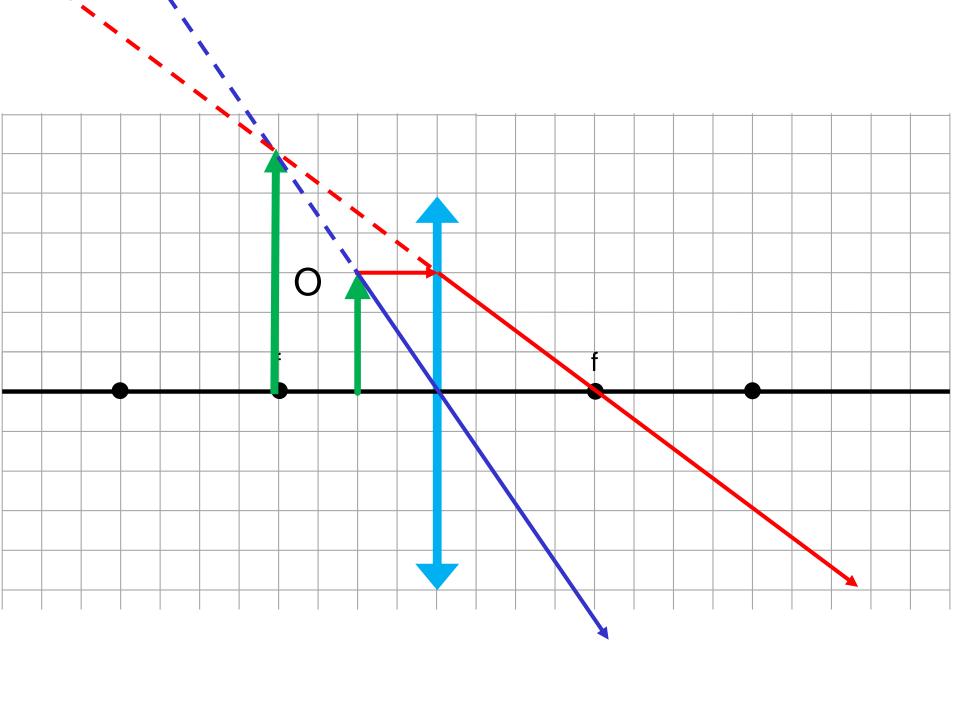


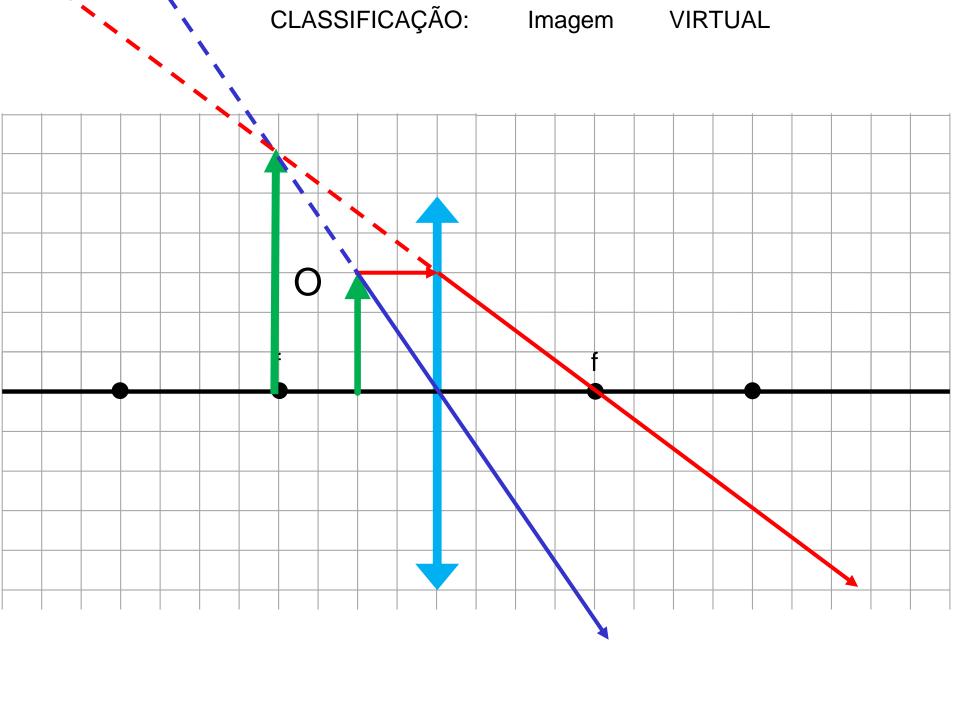


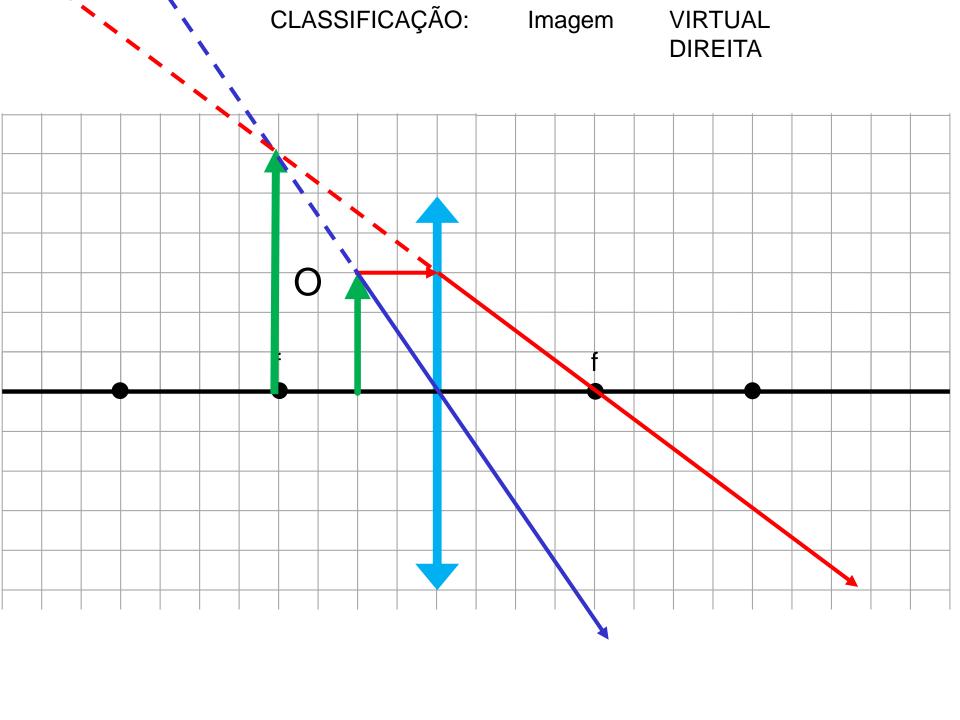


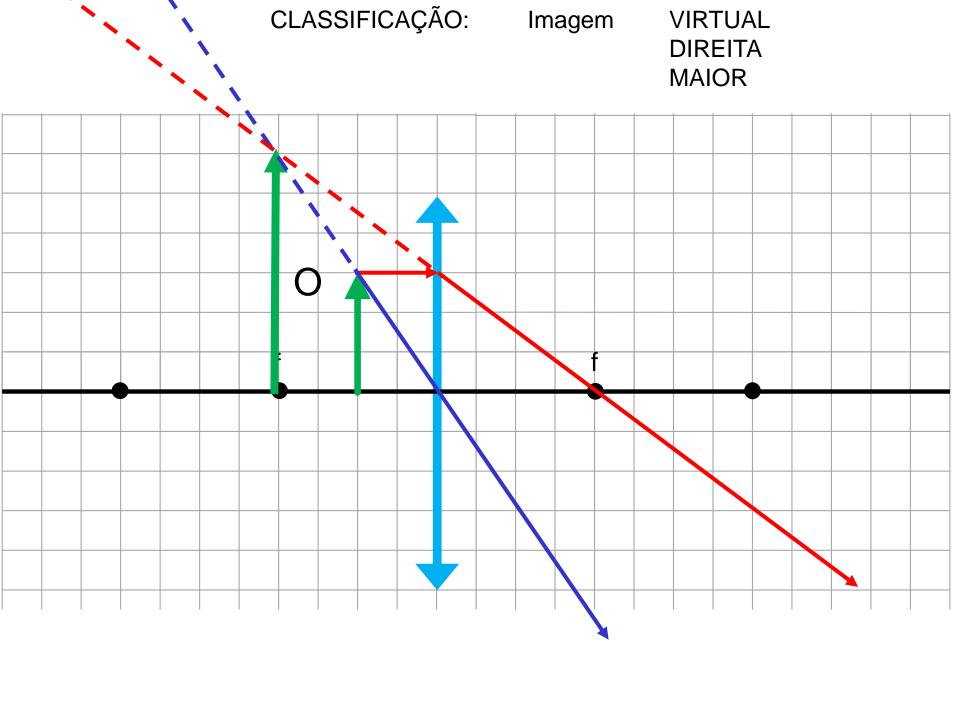


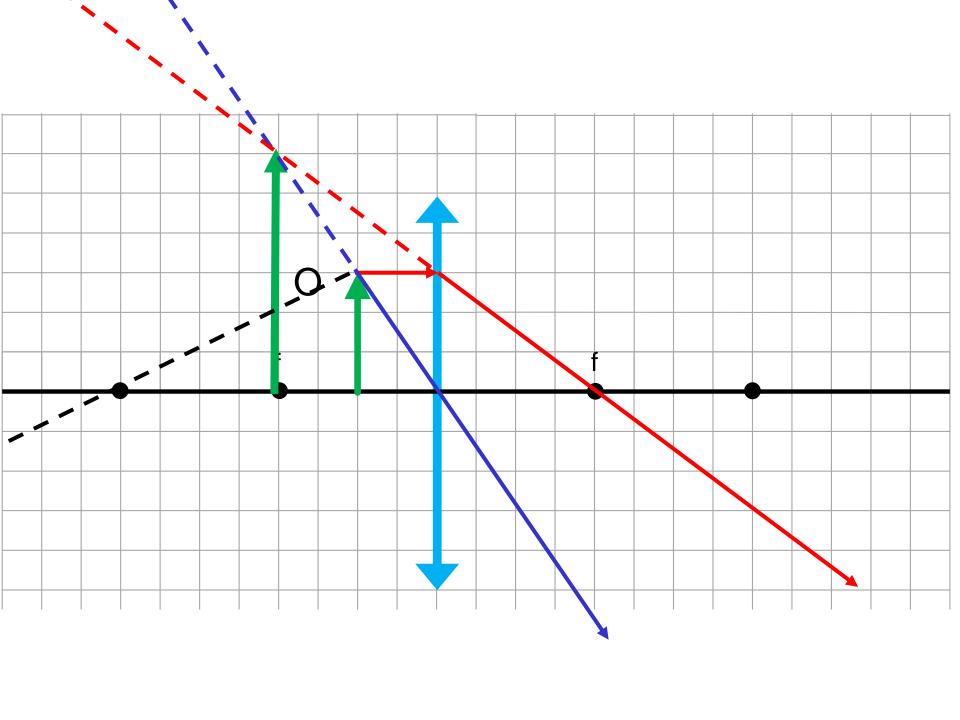


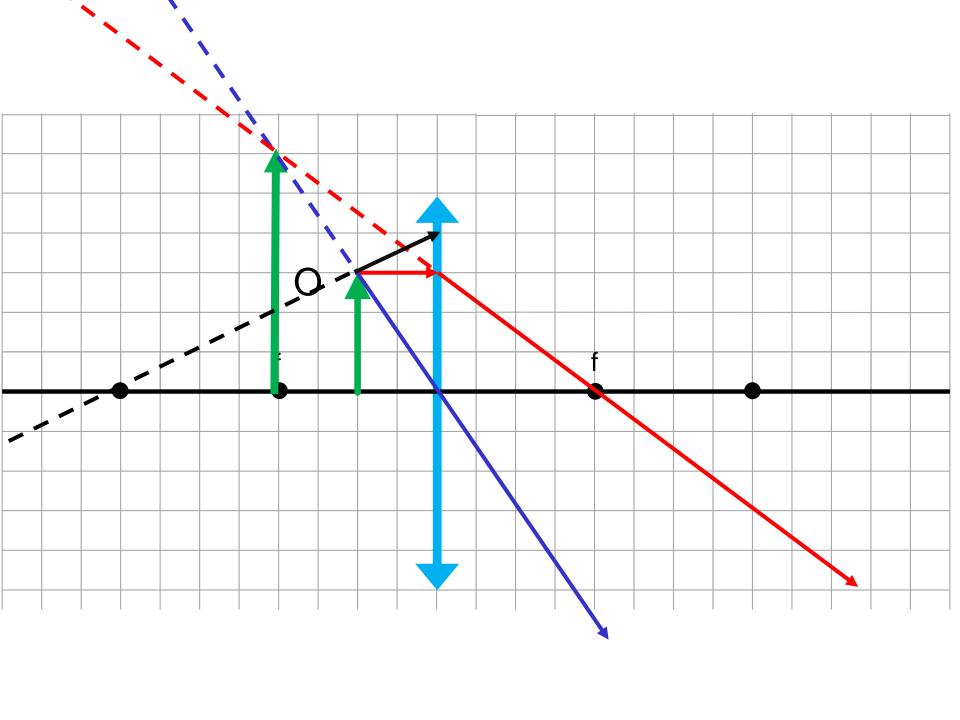


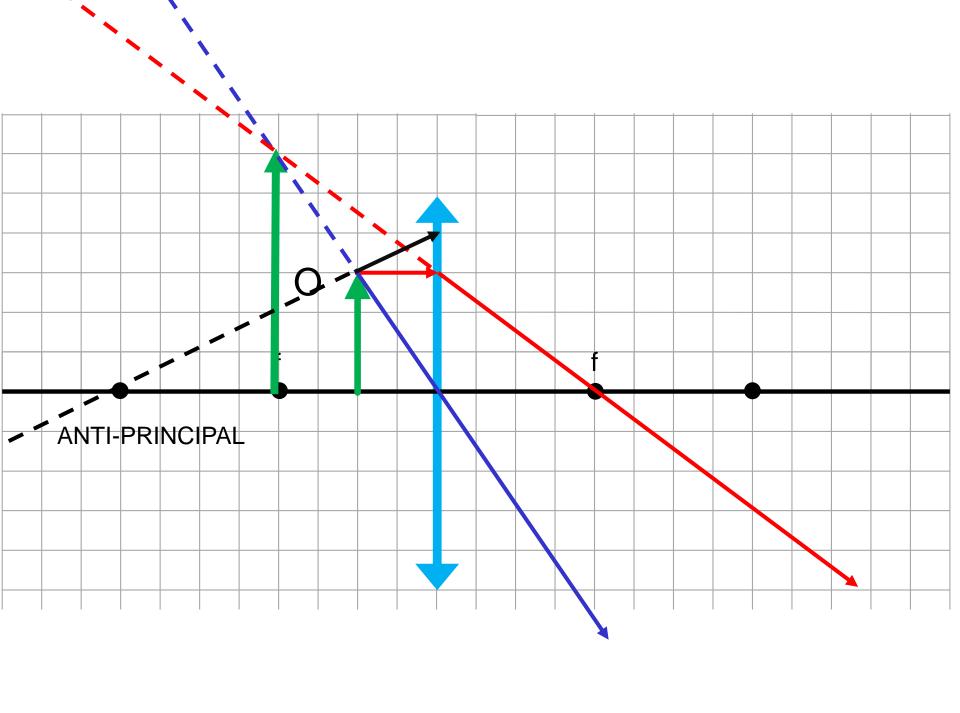


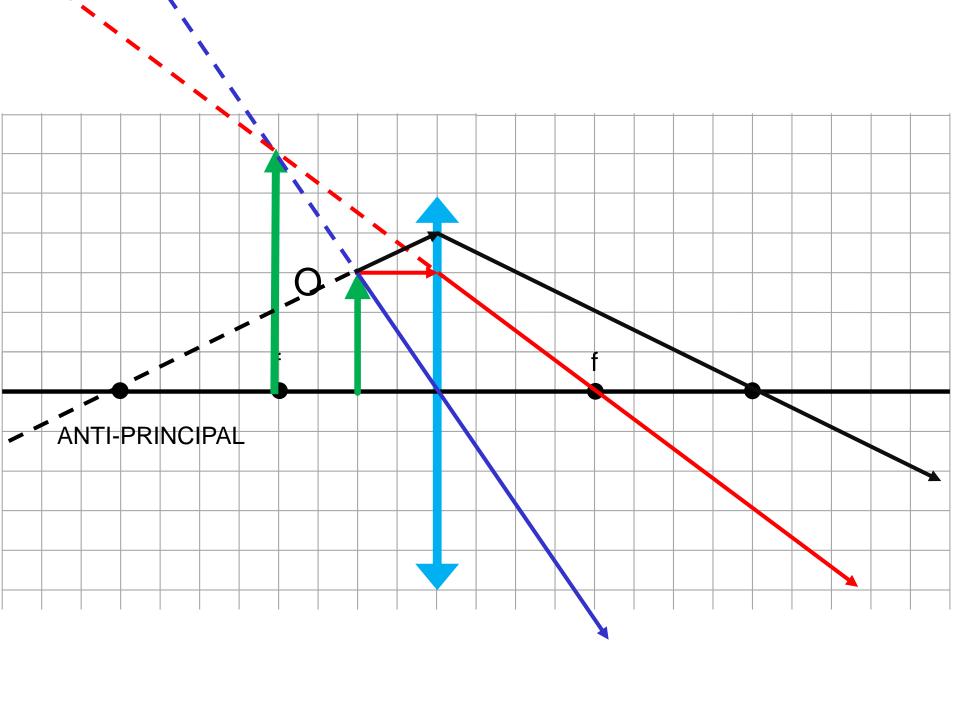


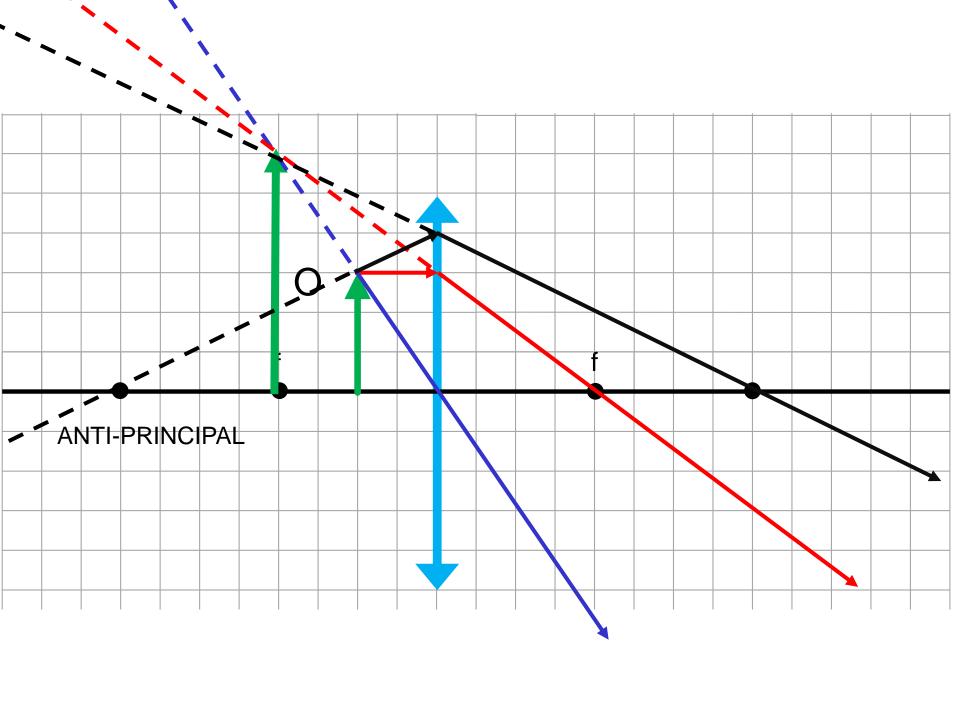


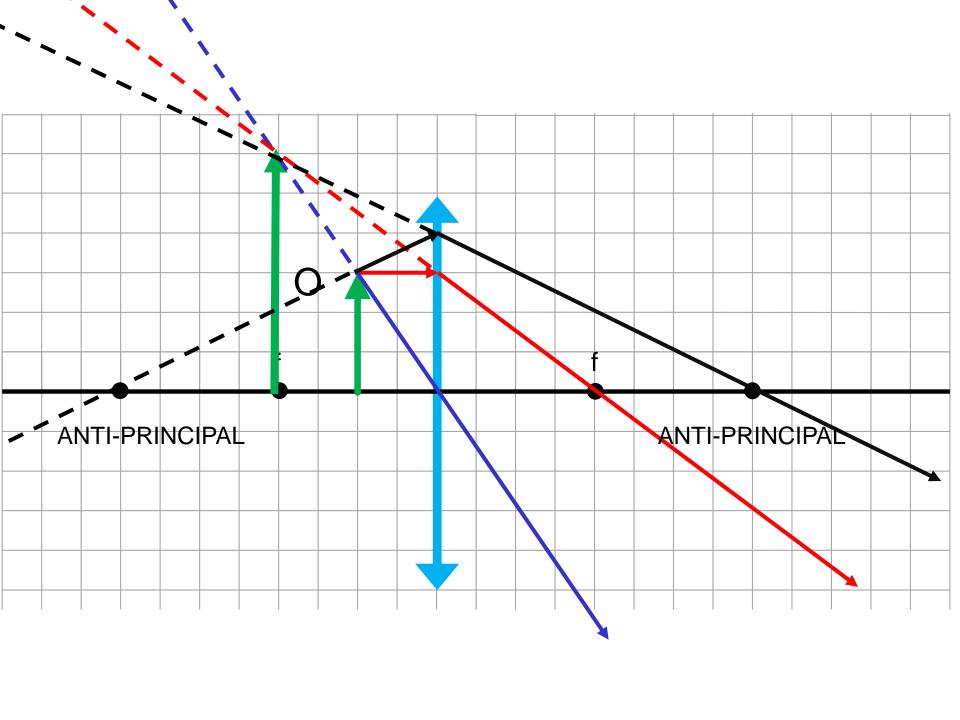


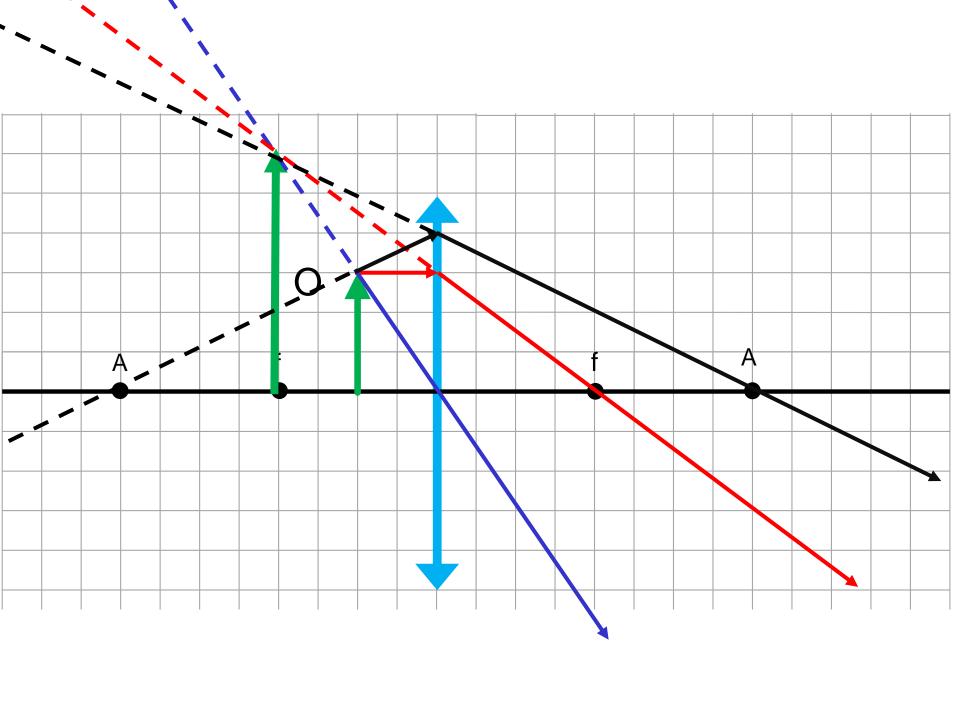




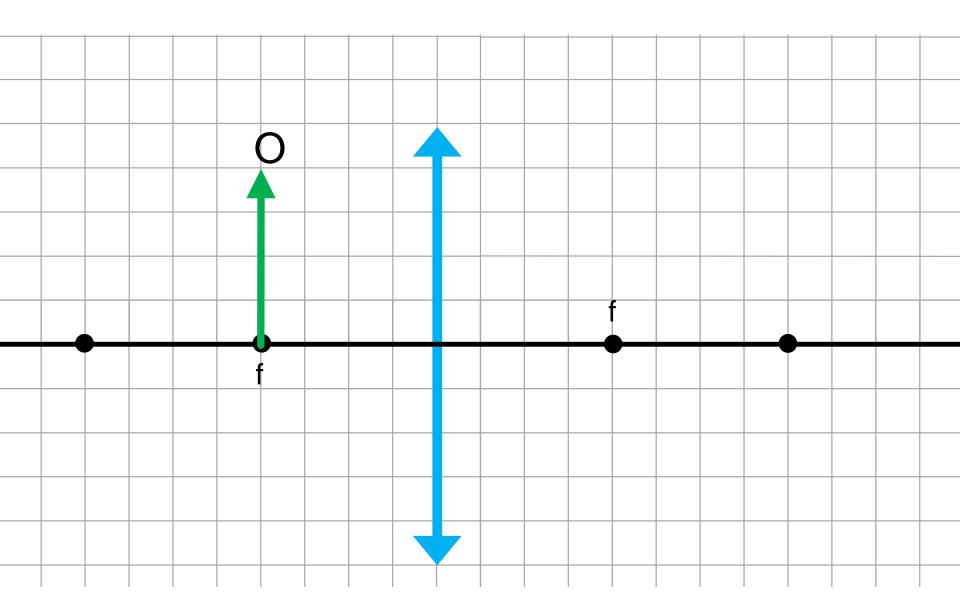


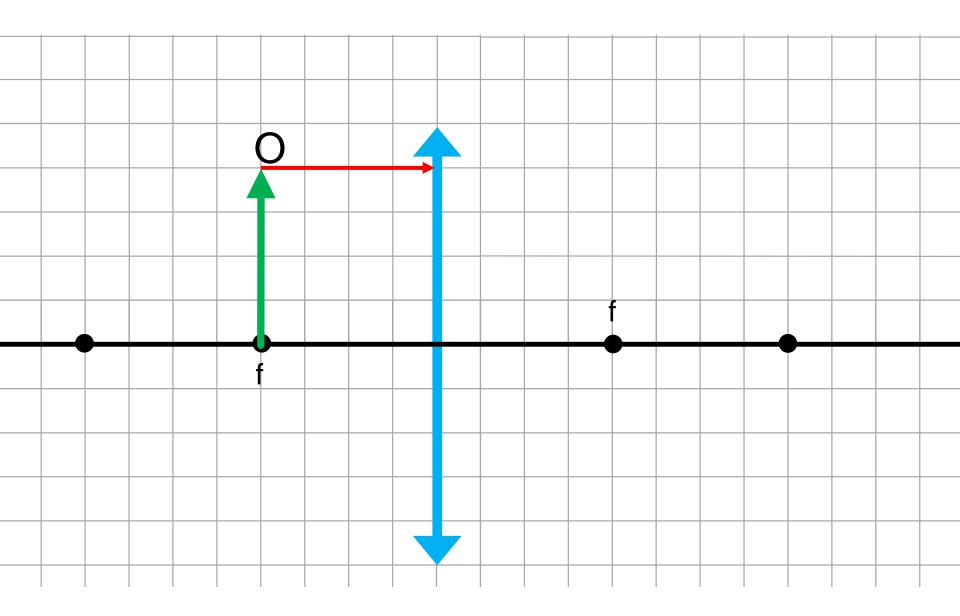


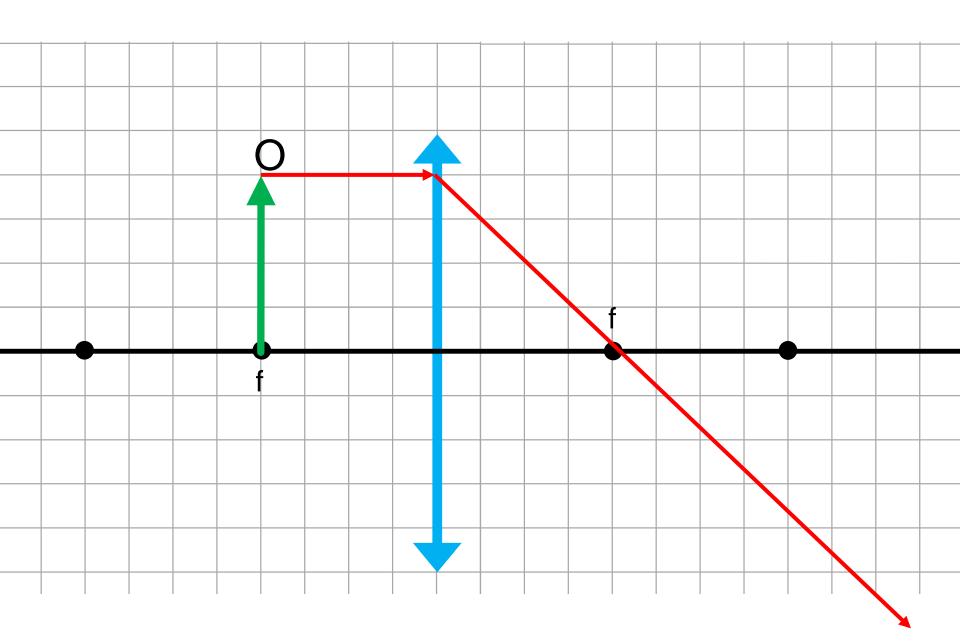




Segundo caso







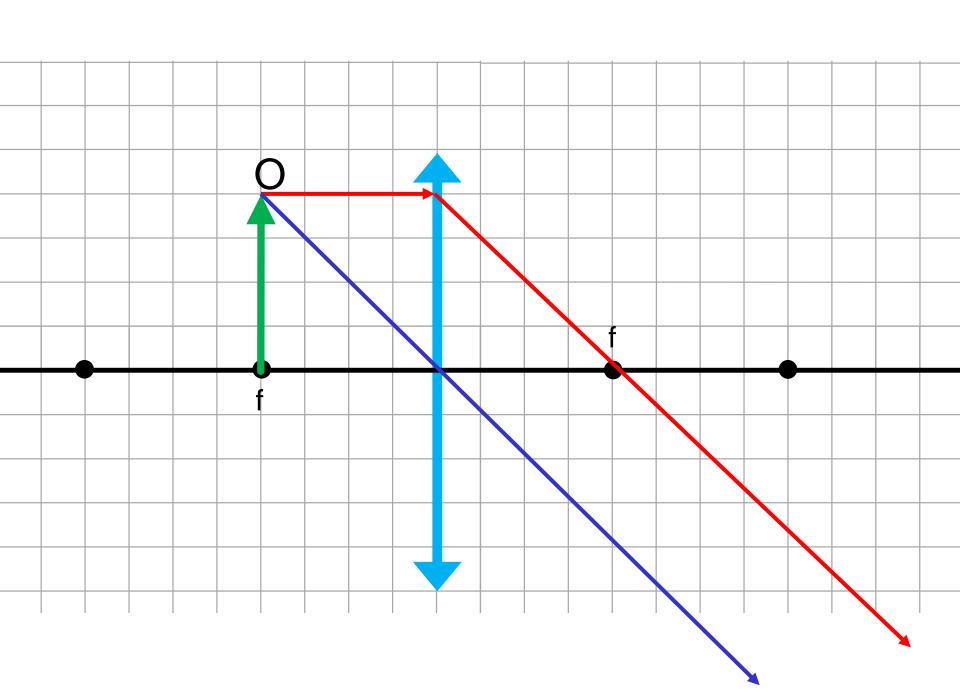
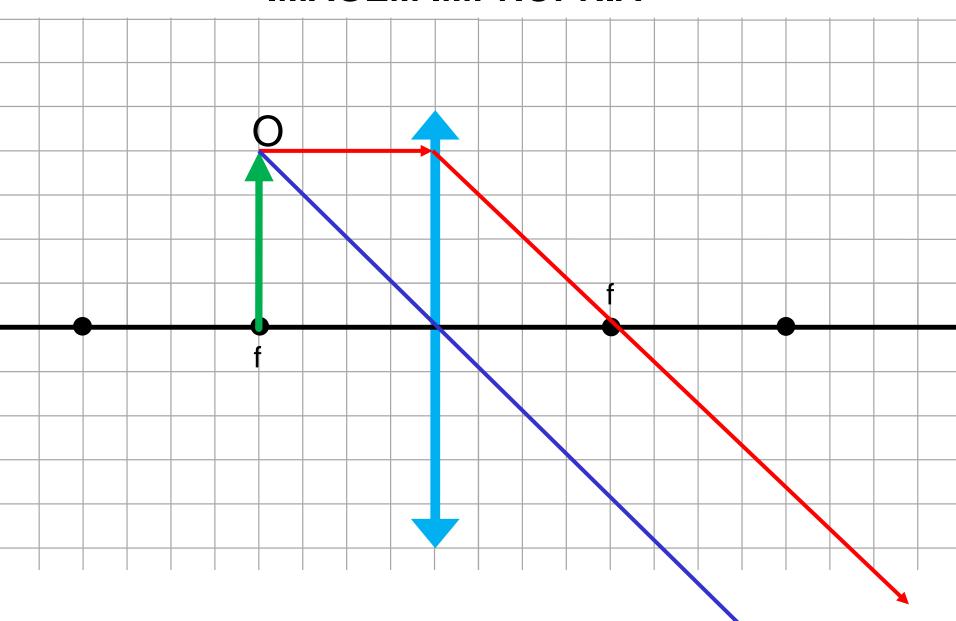
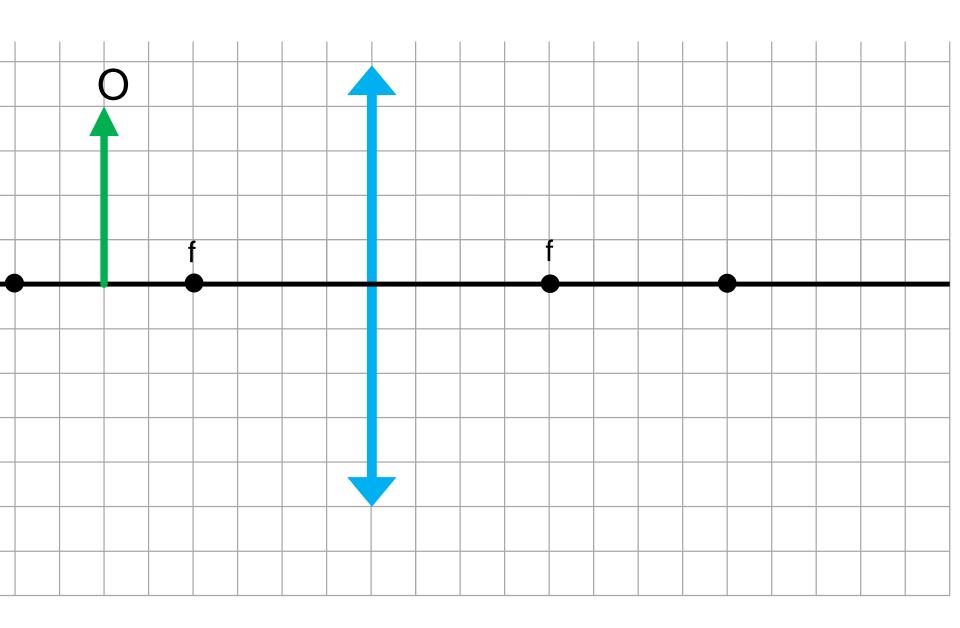
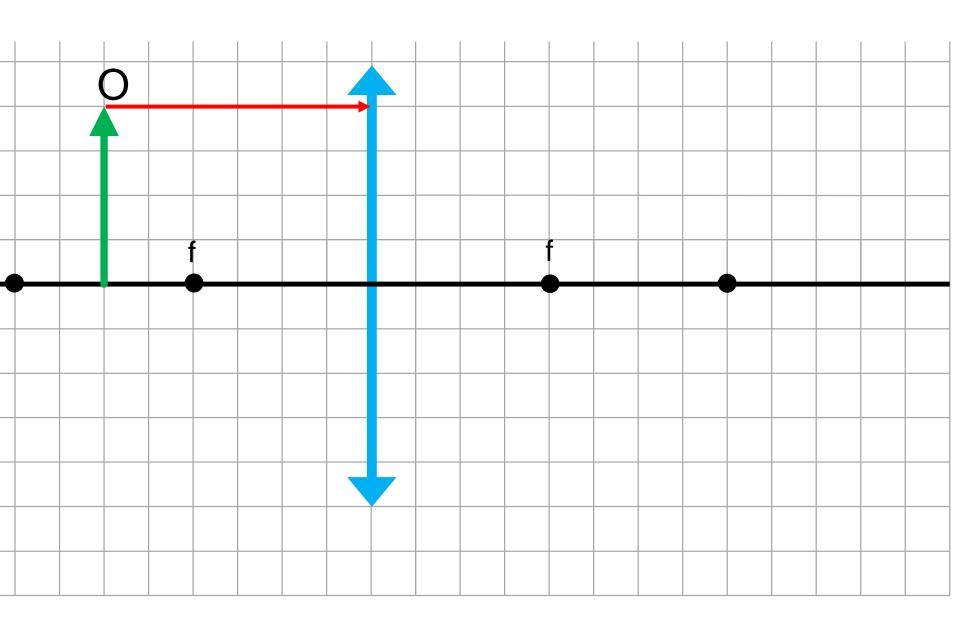


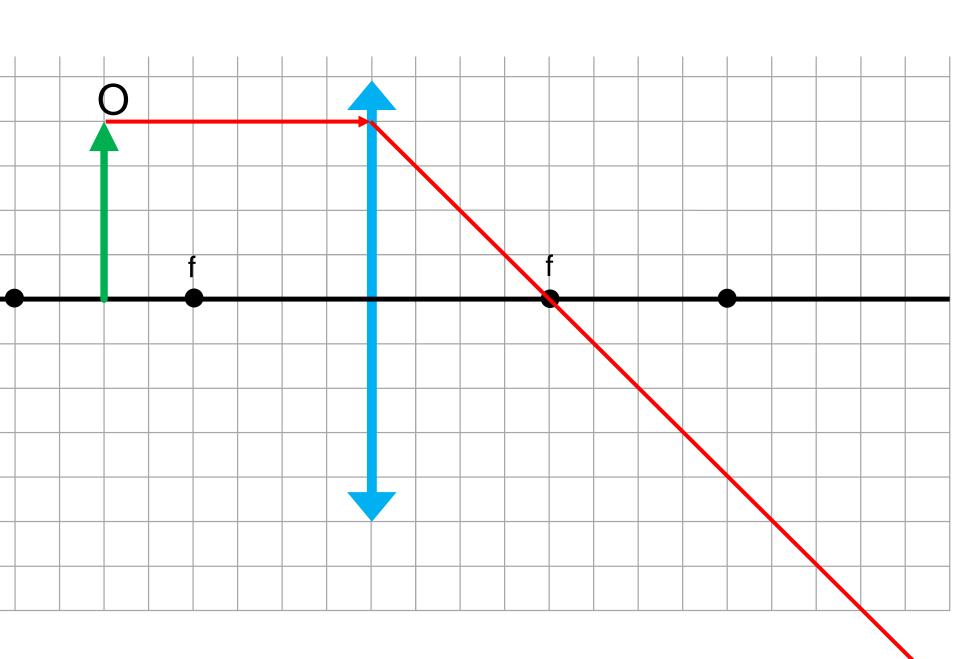
IMAGEM IMPRÓPRIA

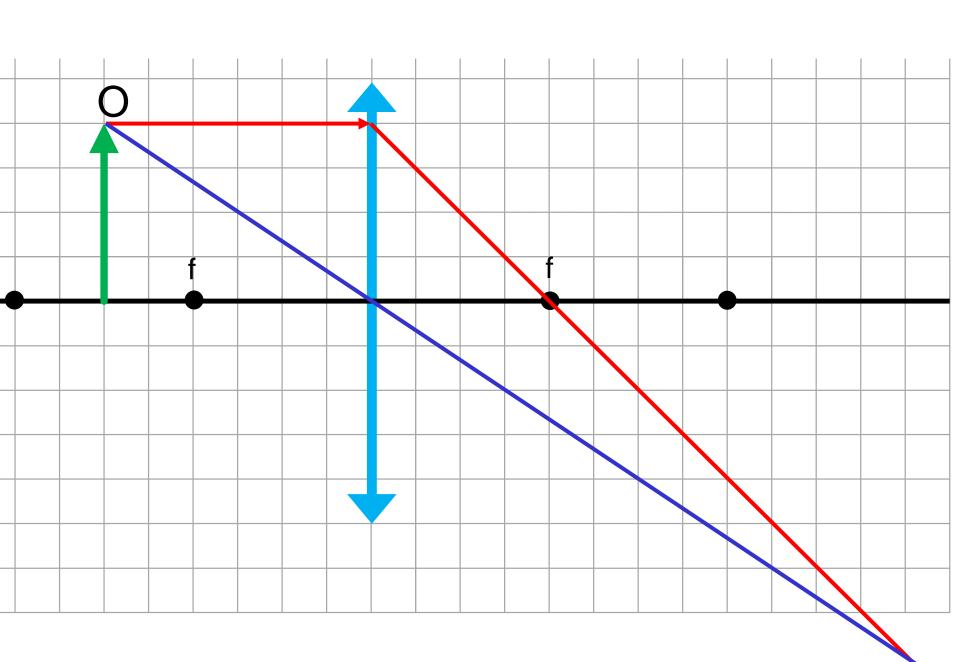


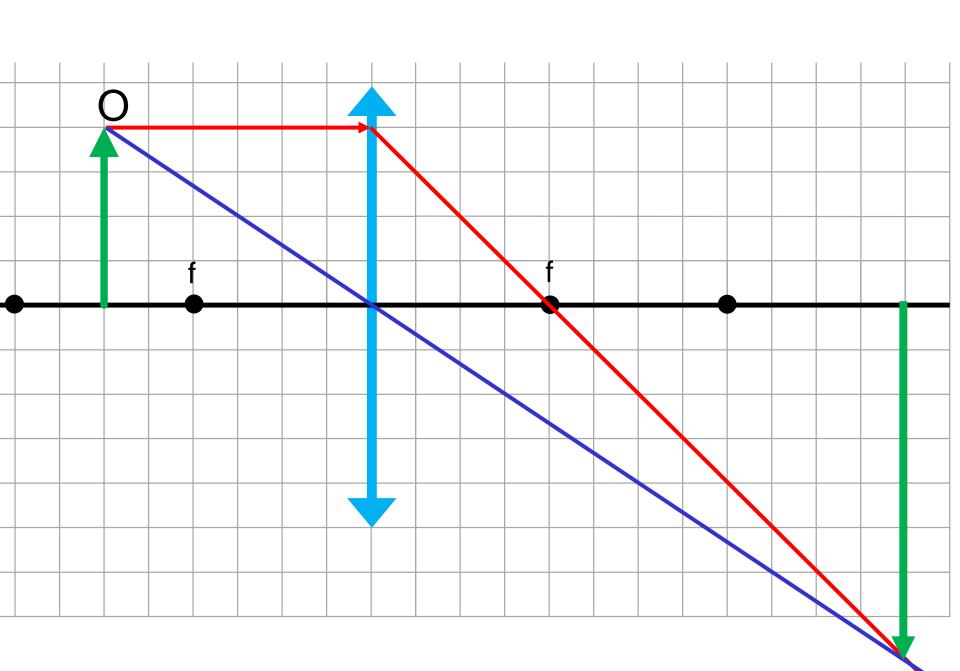
Terceiro caso



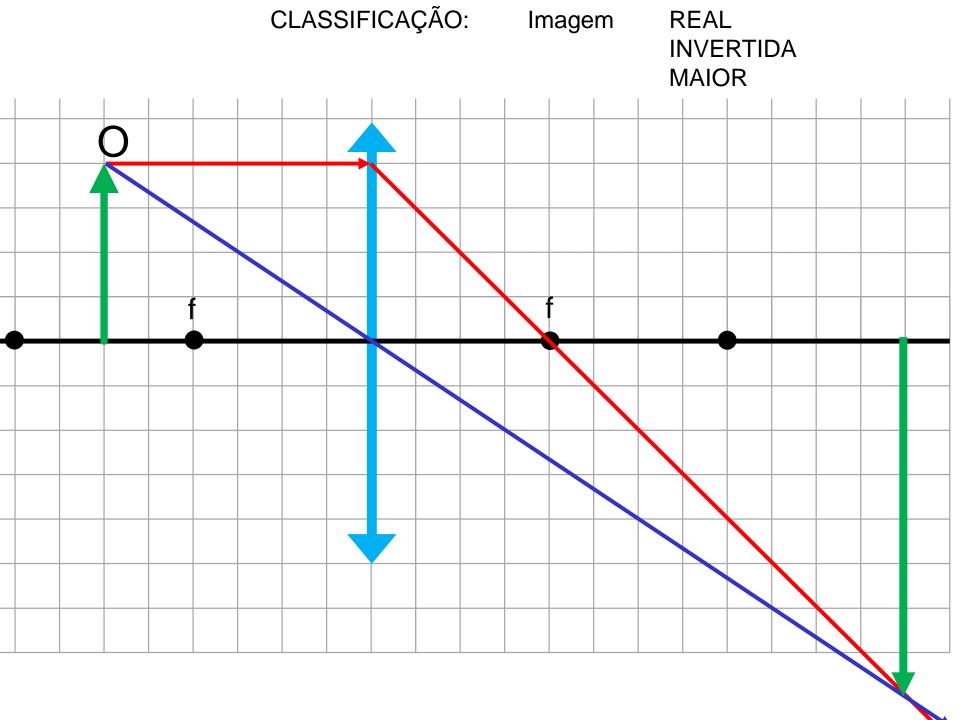




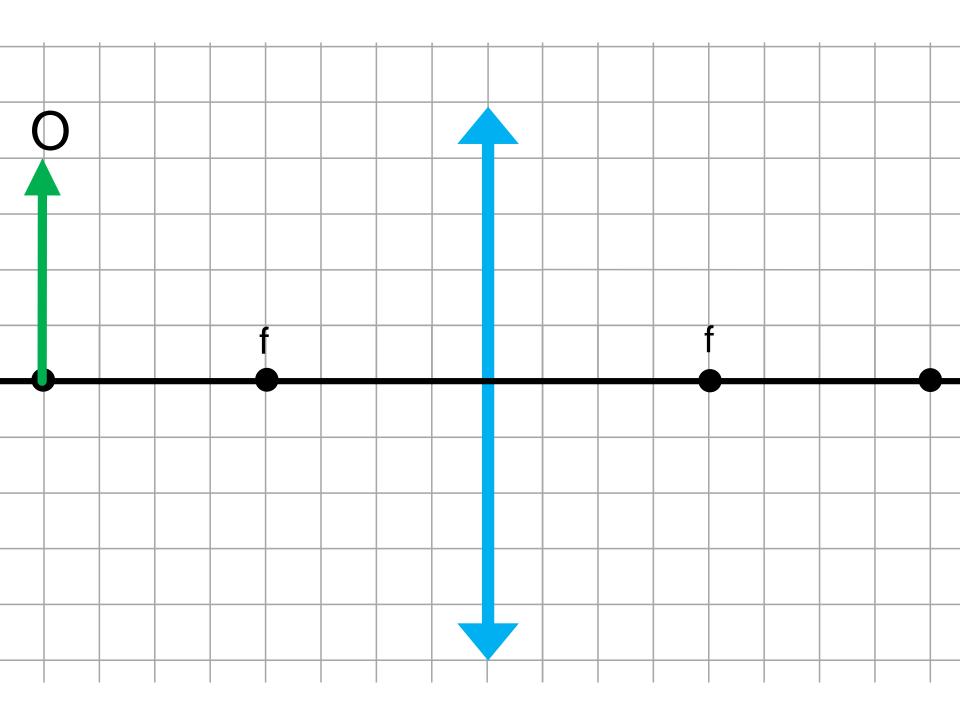


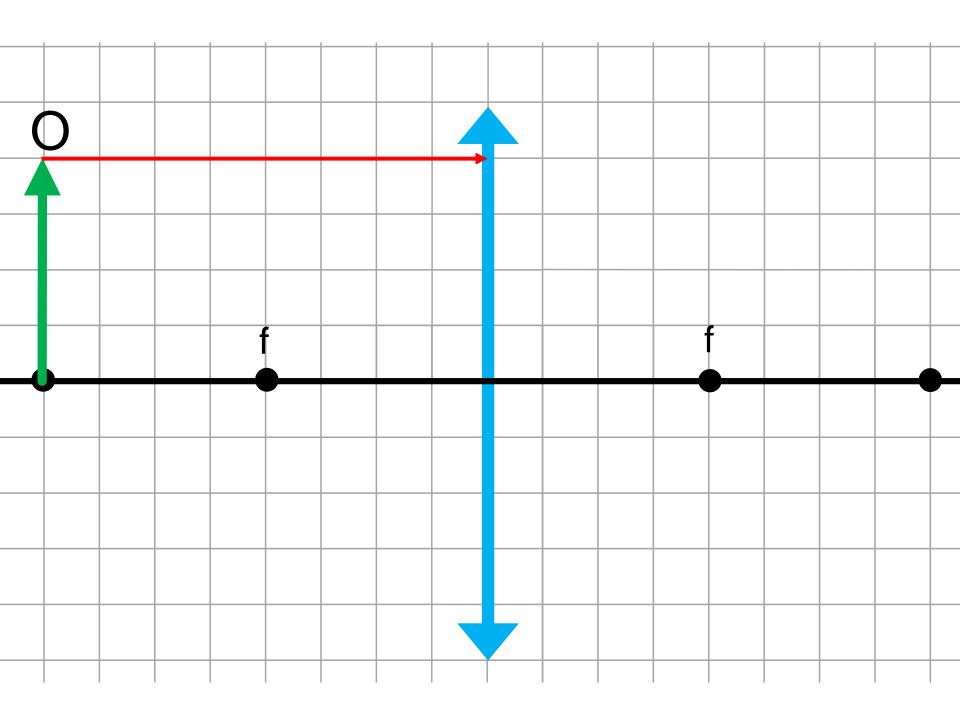


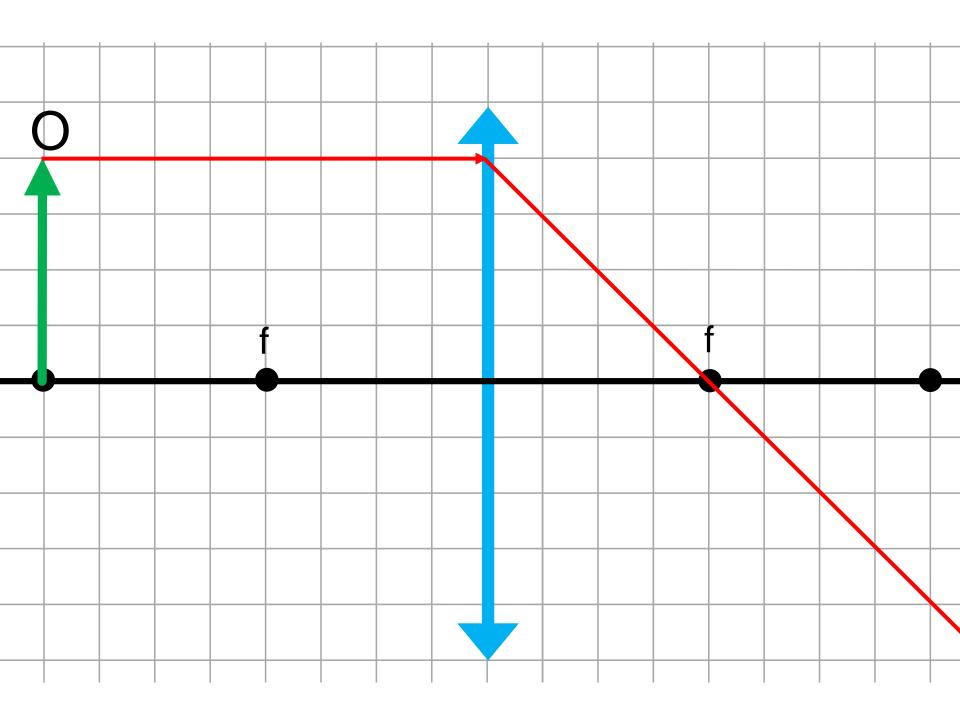
CLASSIFICAÇÃO: Imagem **REAL** CLASSIFICAÇÃO: Imagem REAL INVERTIDA

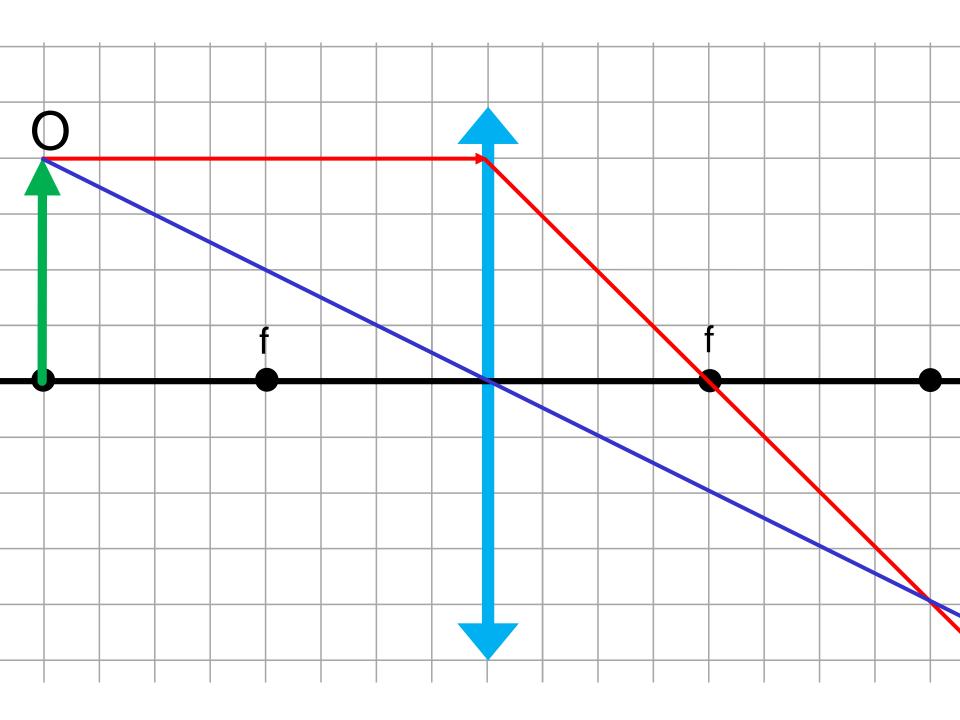


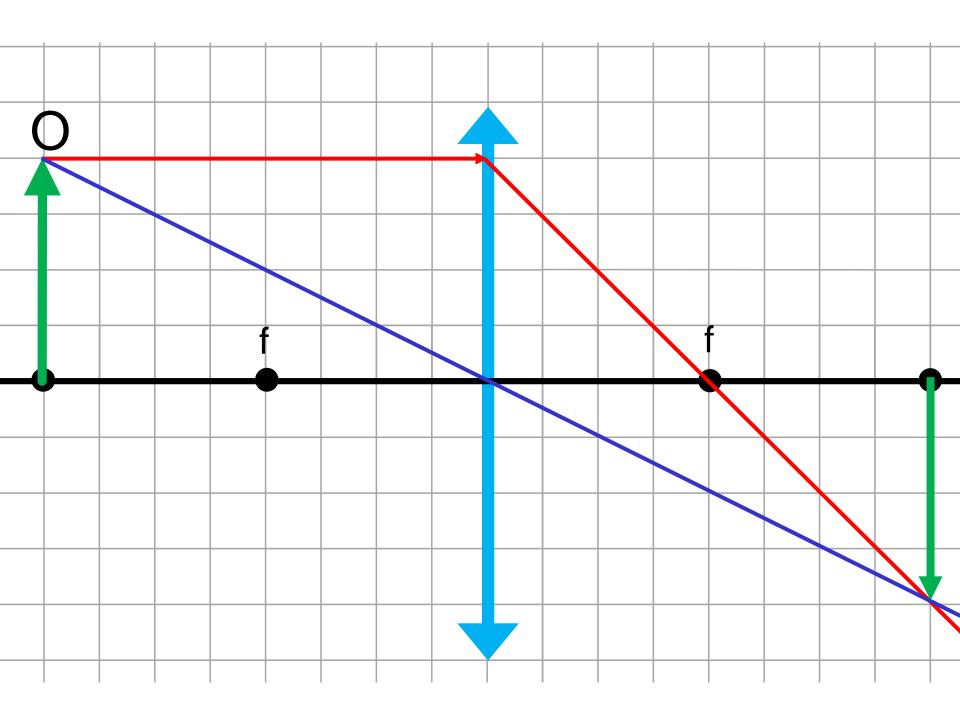
Quarto caso

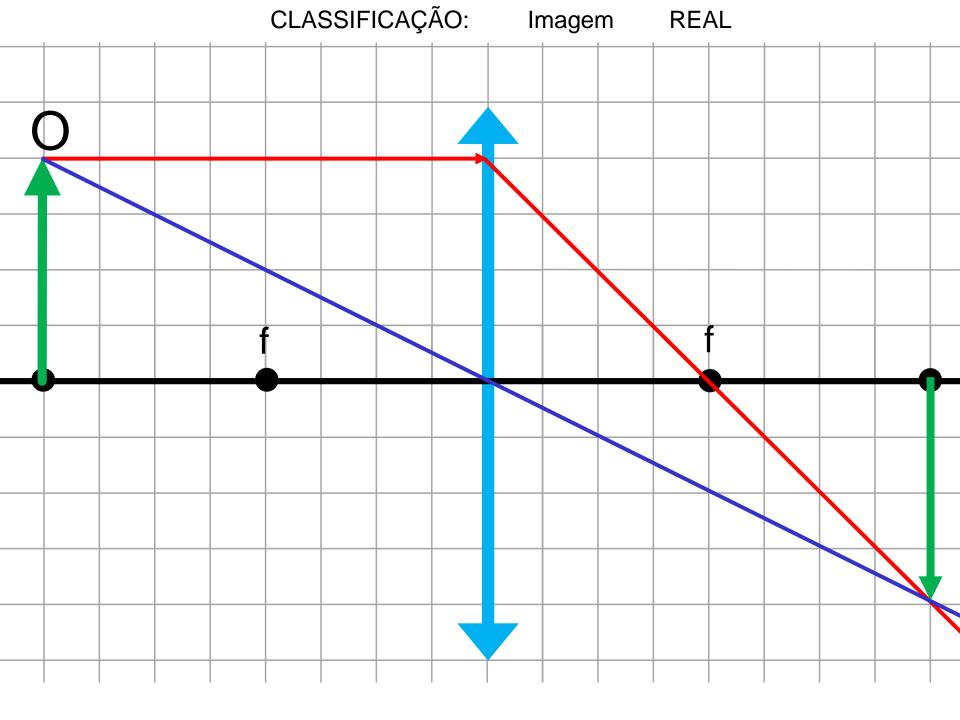


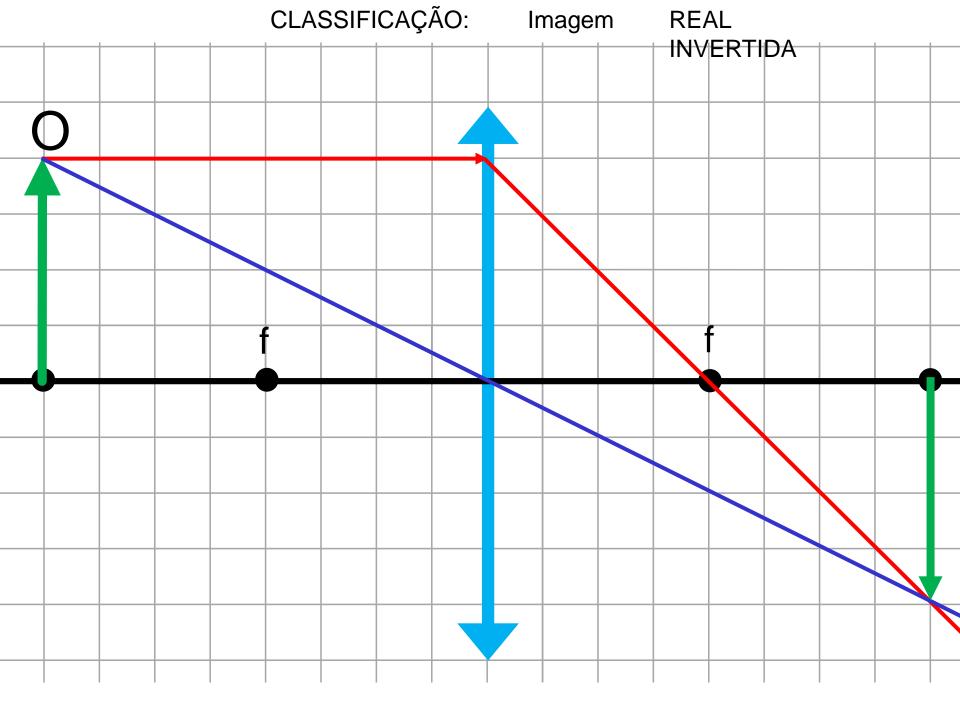


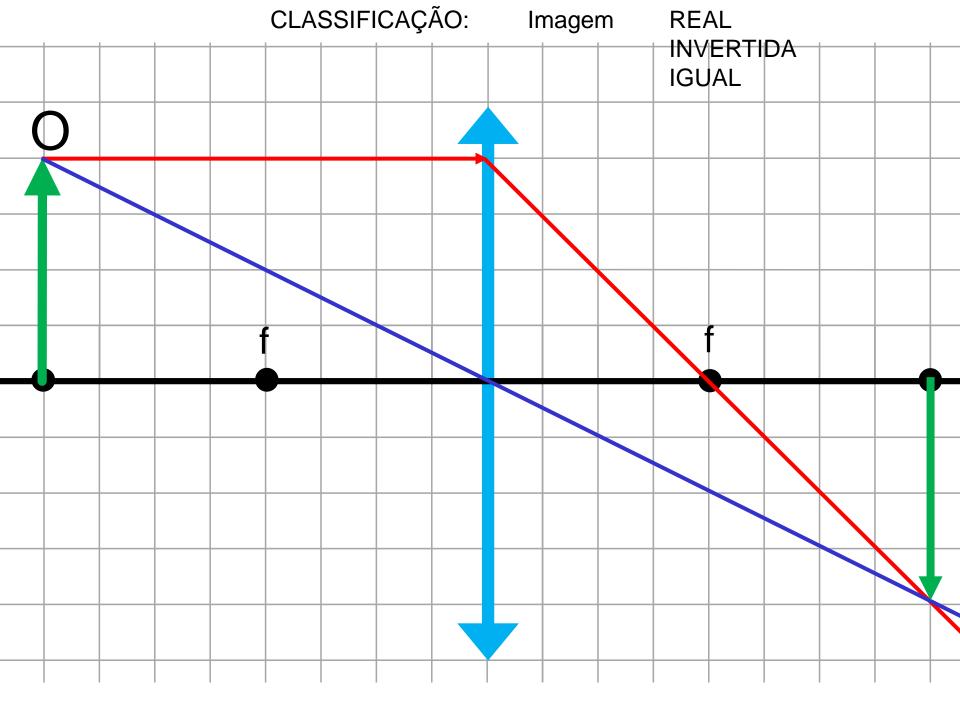




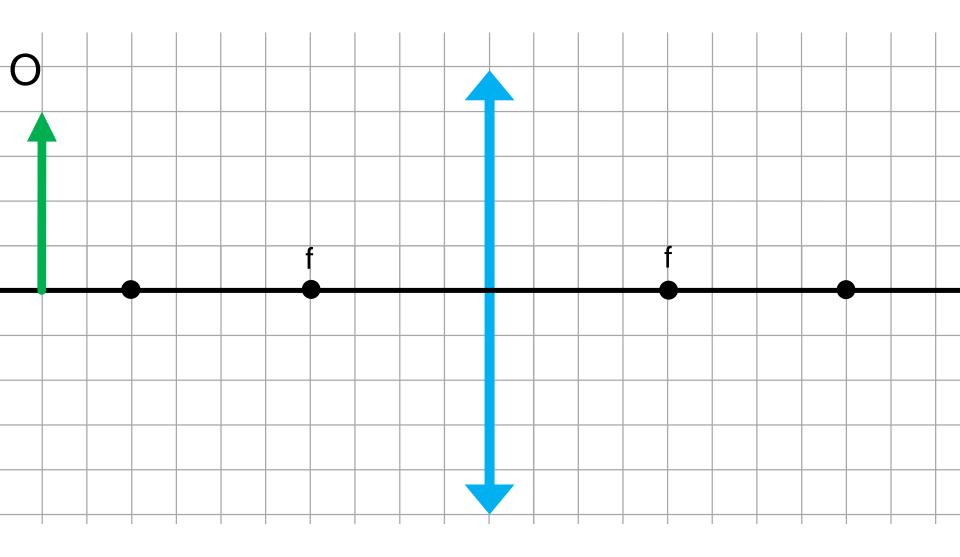


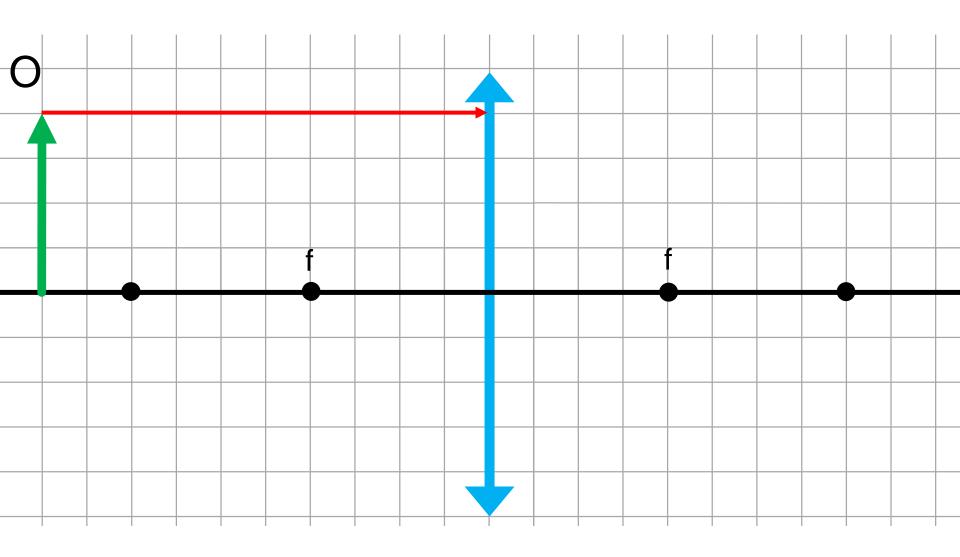


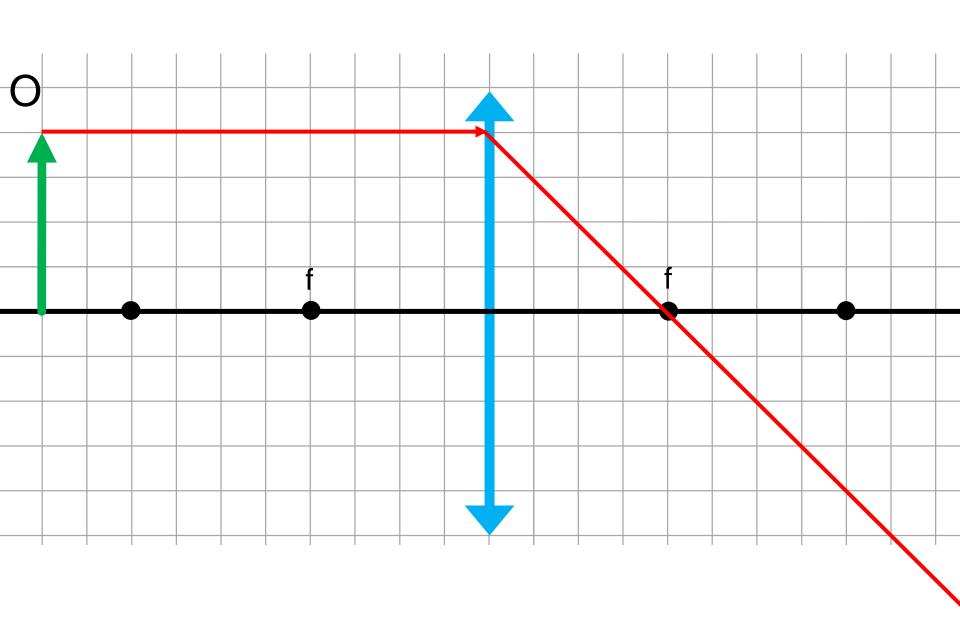


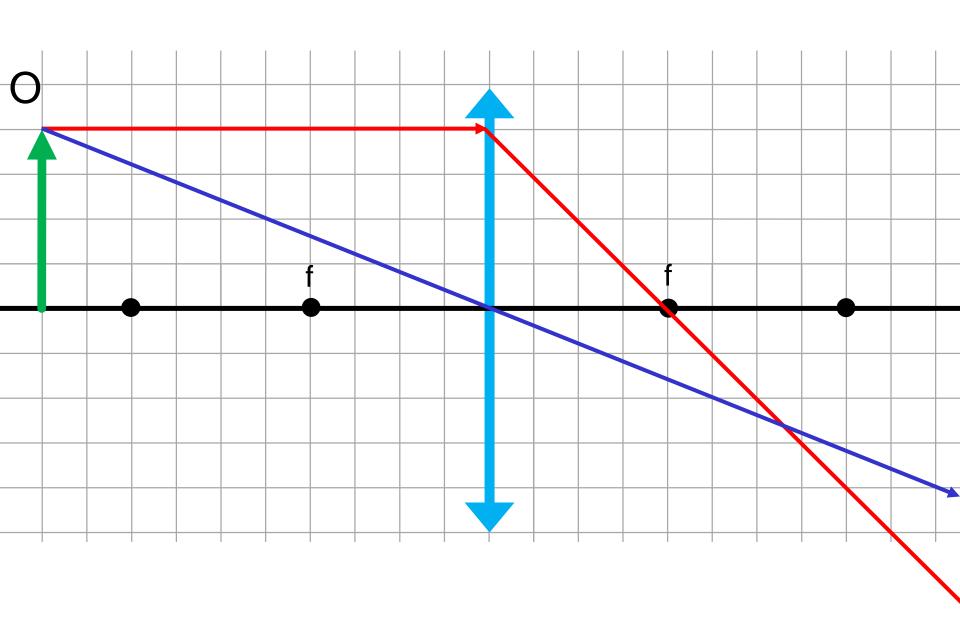


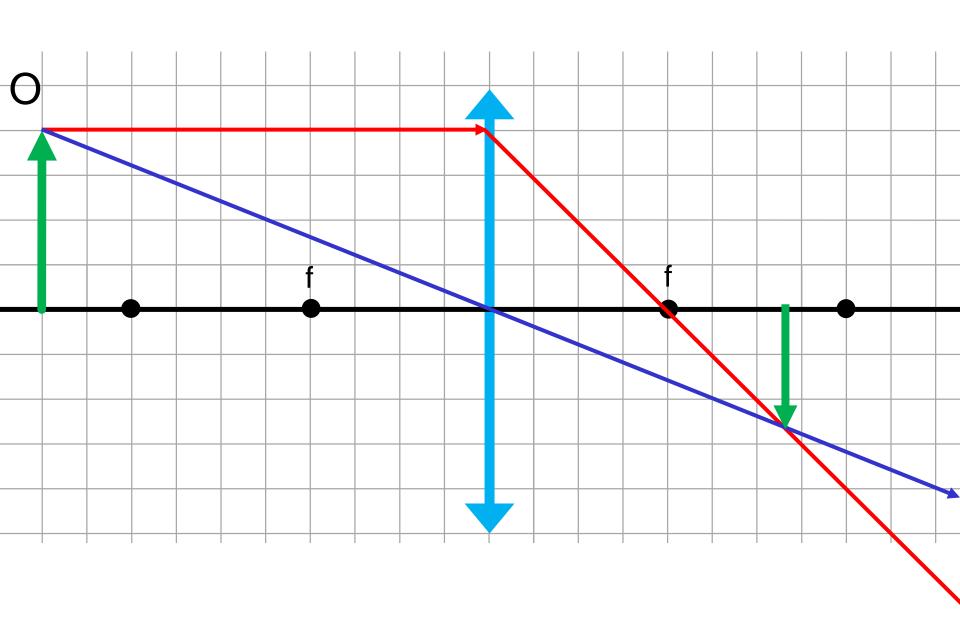
Quinto caso



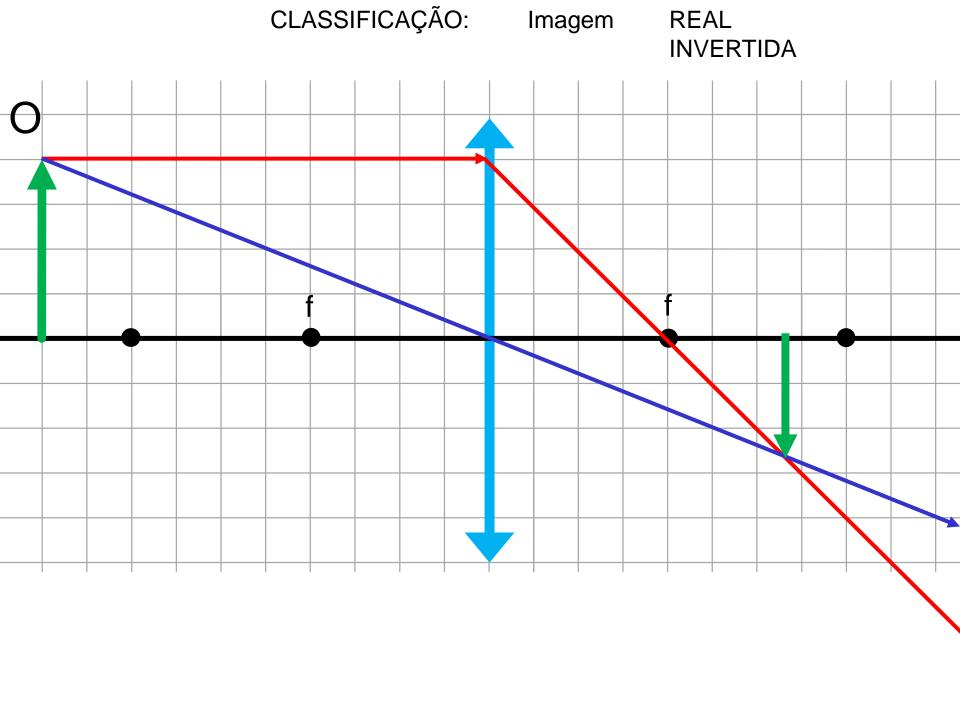


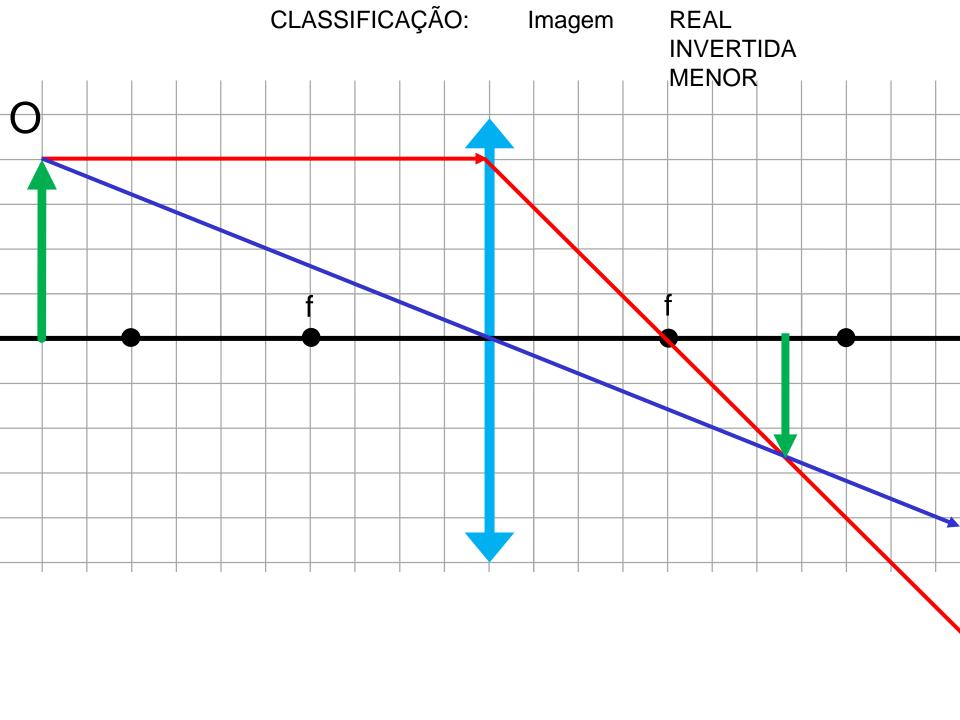




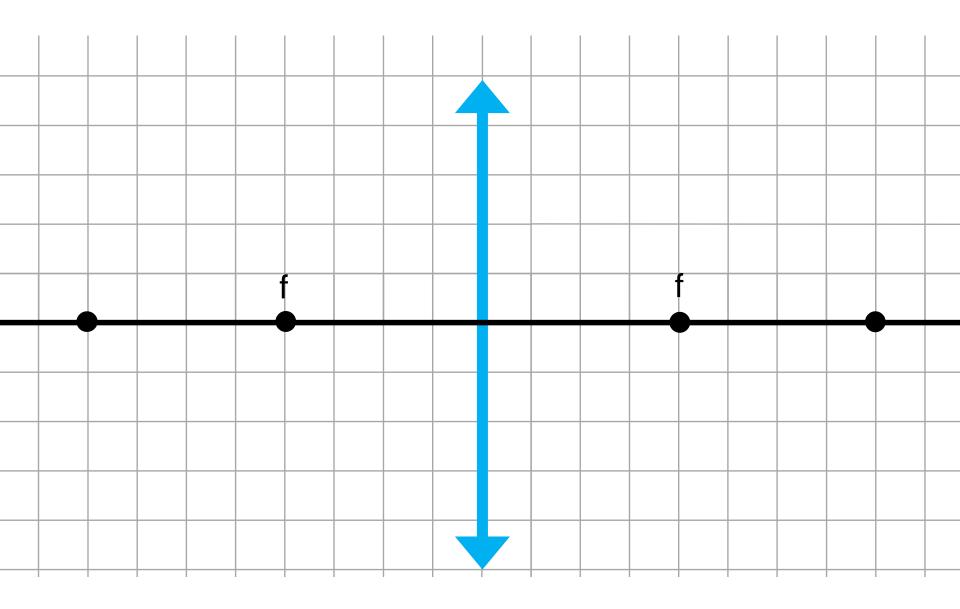


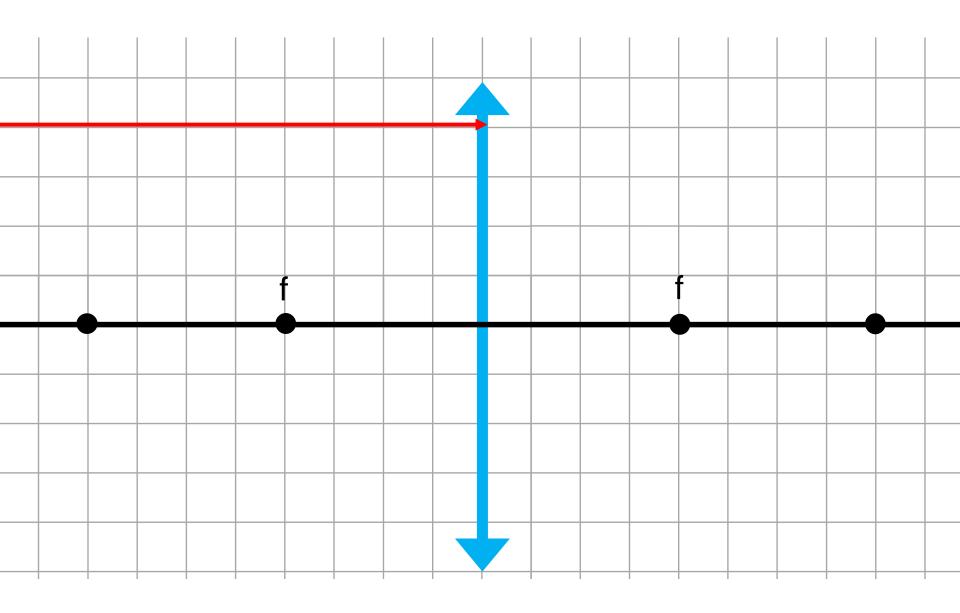
CLASSIFICAÇÃO: Imagem **REAL**

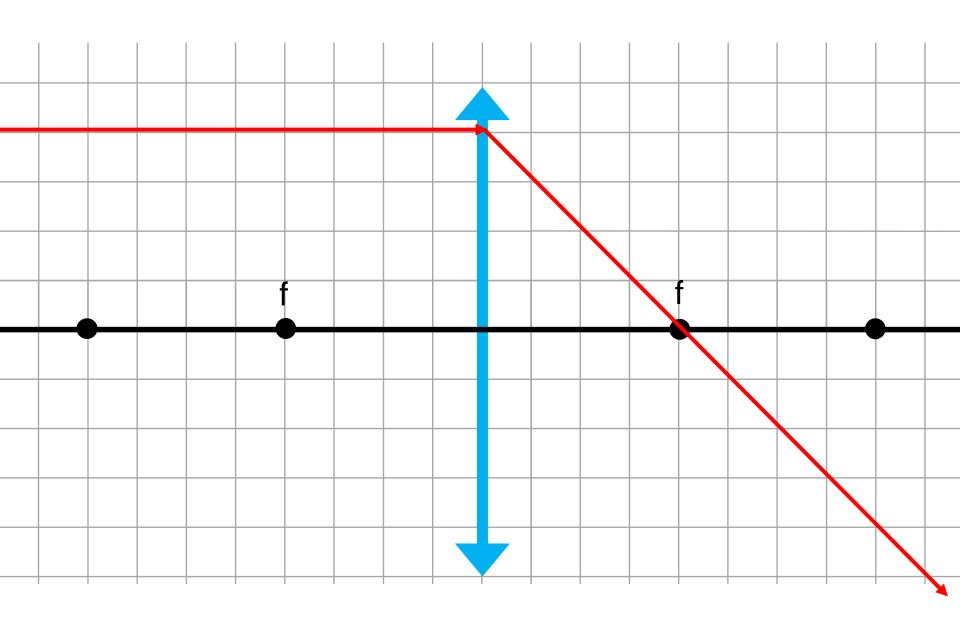


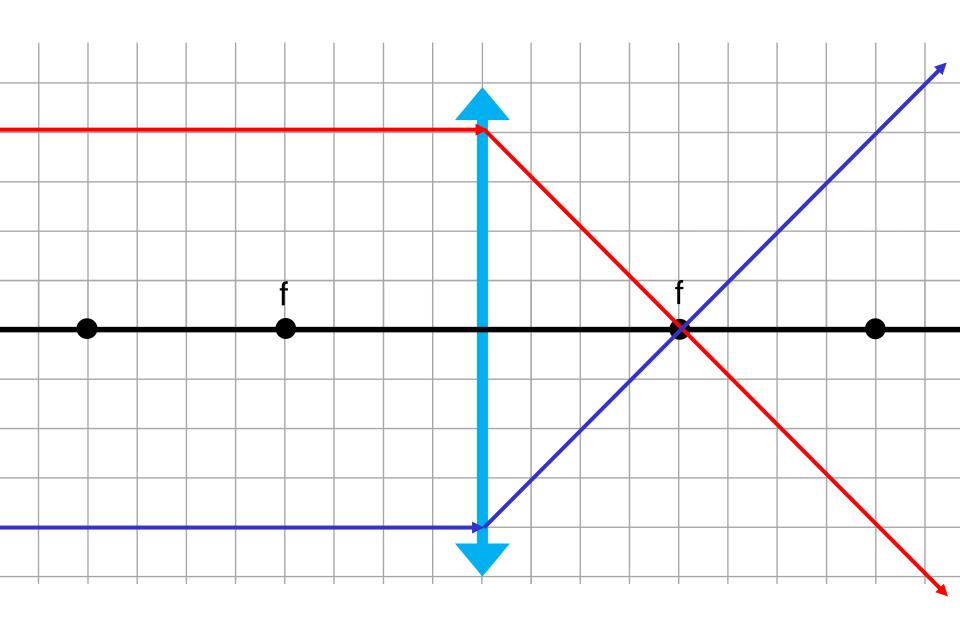


Sexto Caso

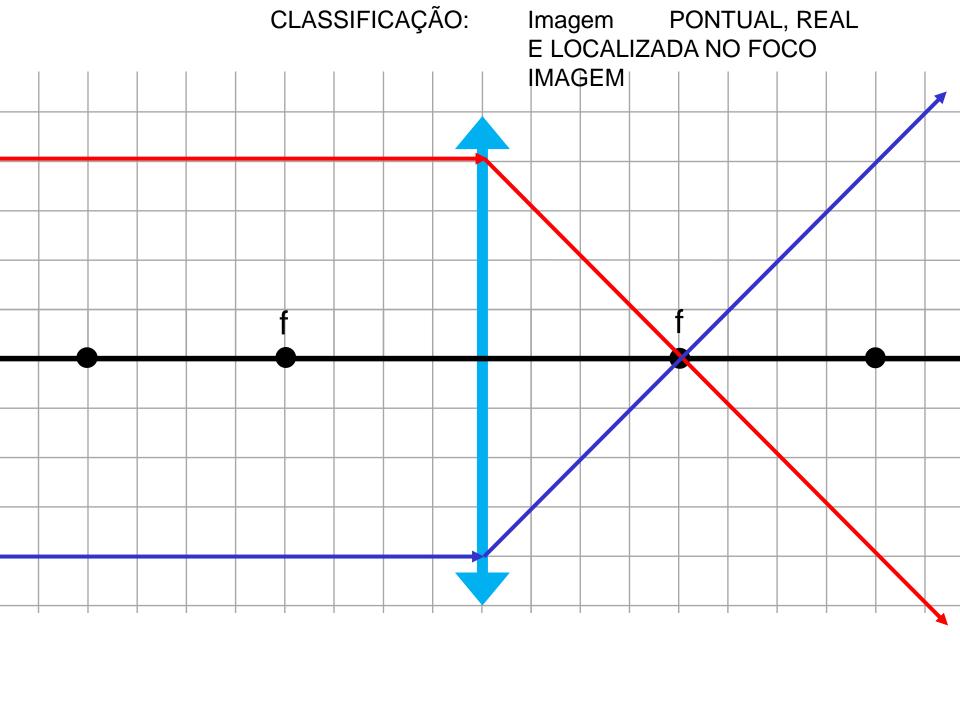






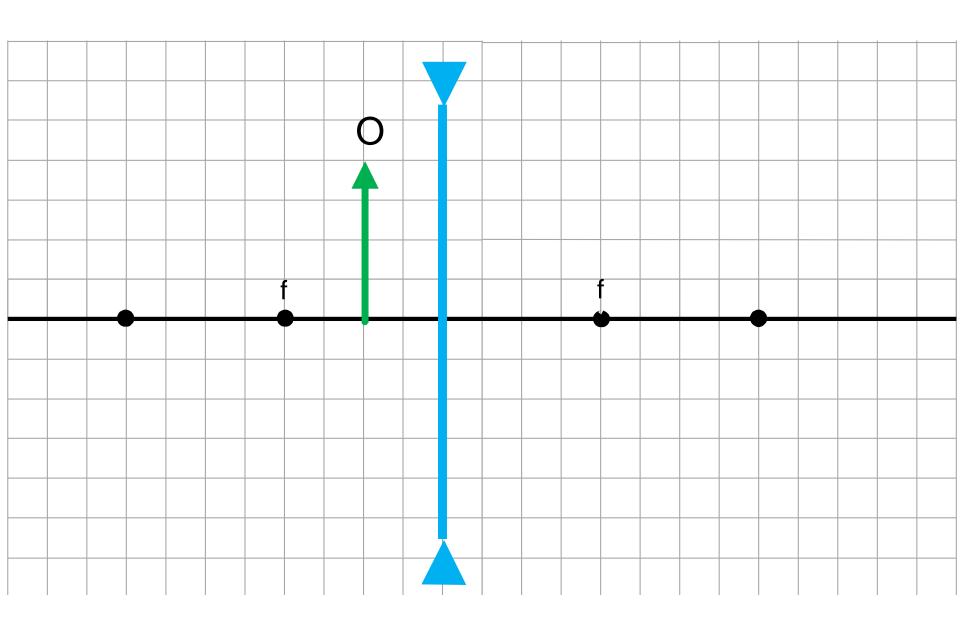


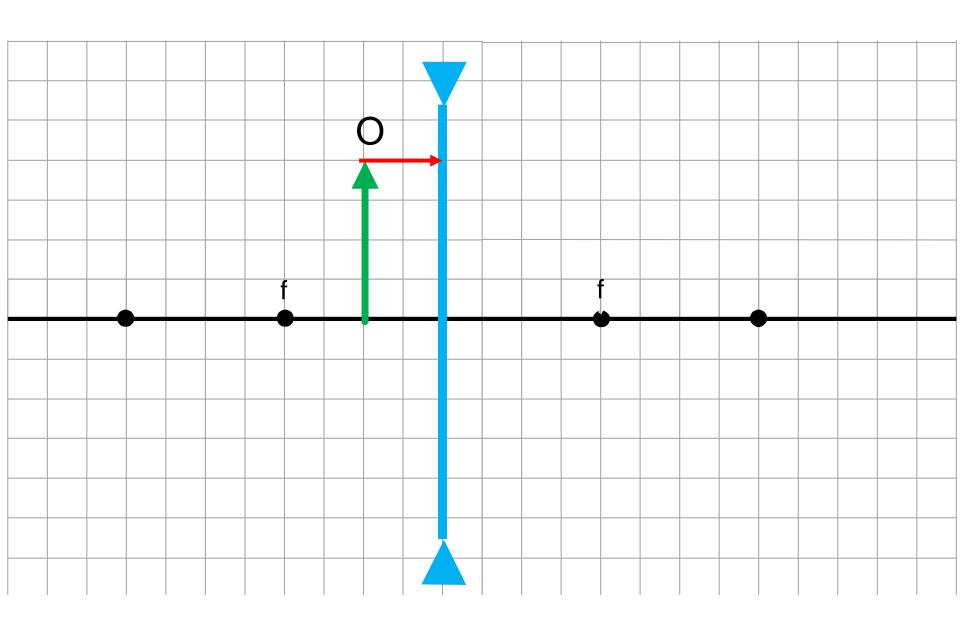
CLASSIFICAÇÃO: Imagem

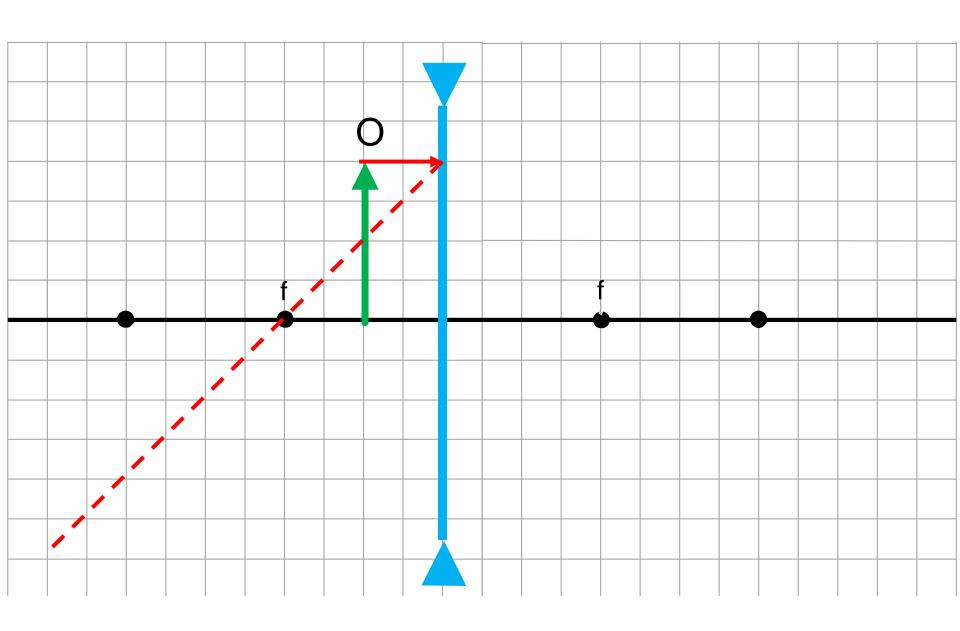


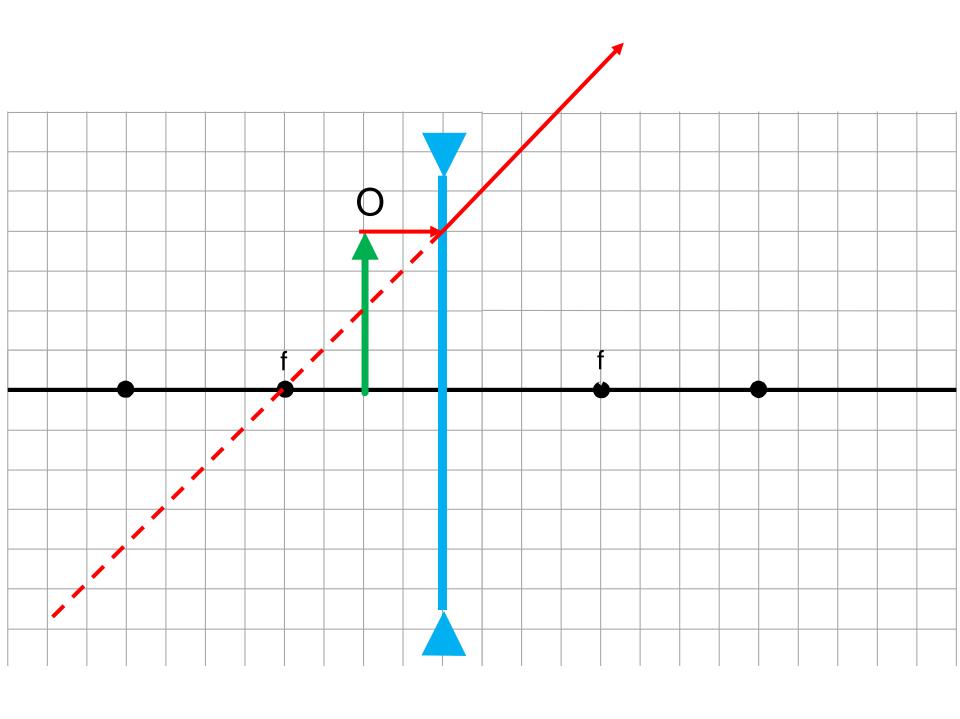
LENTES DIVERGENTES

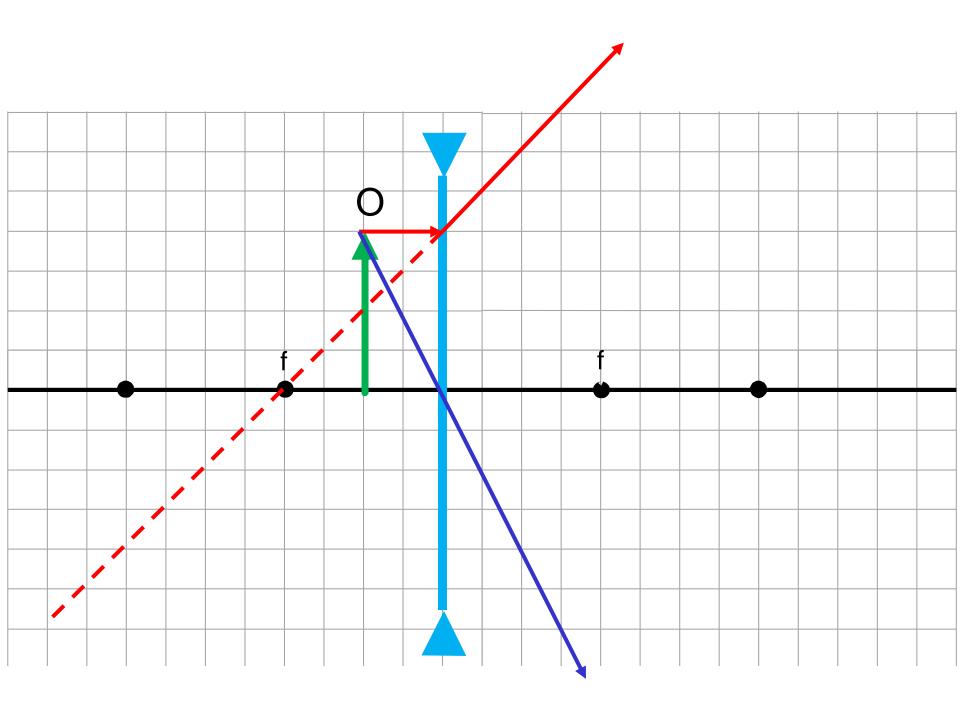
Primeiro caso

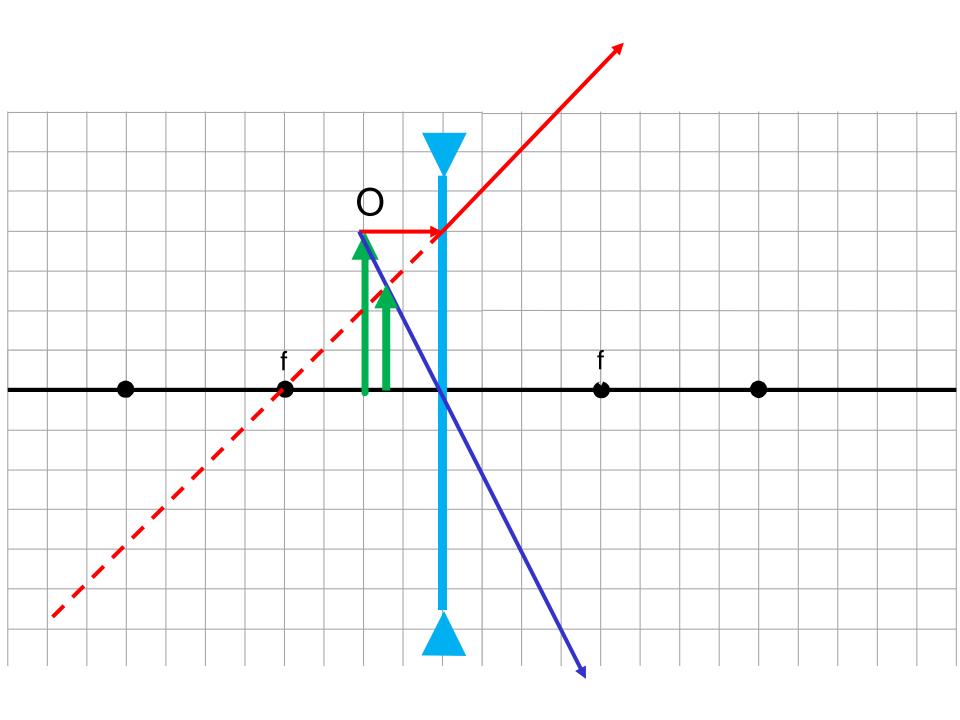


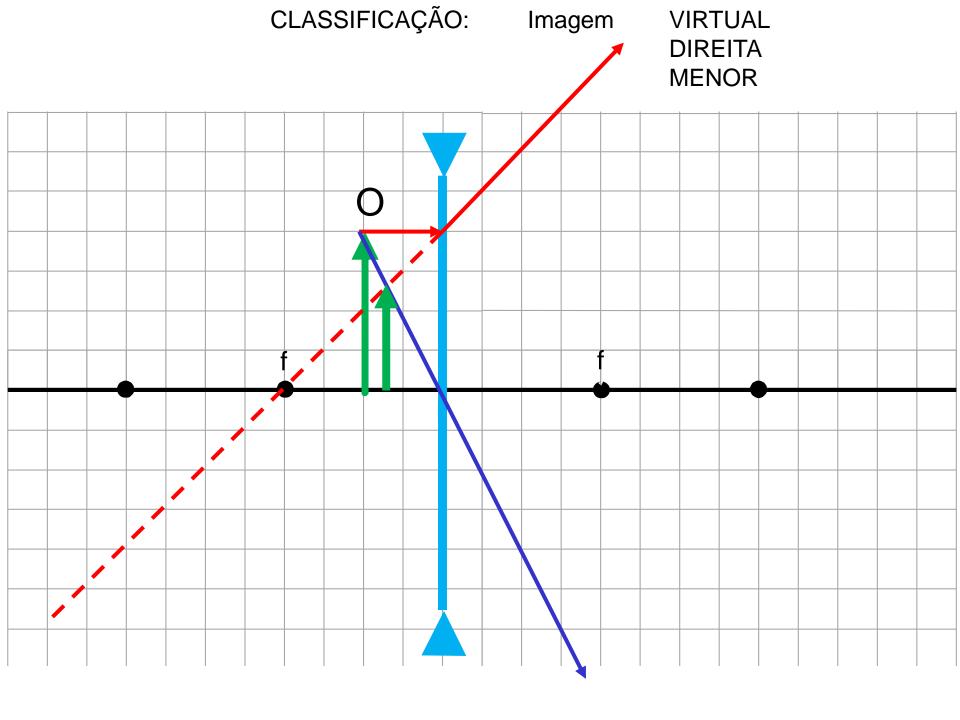




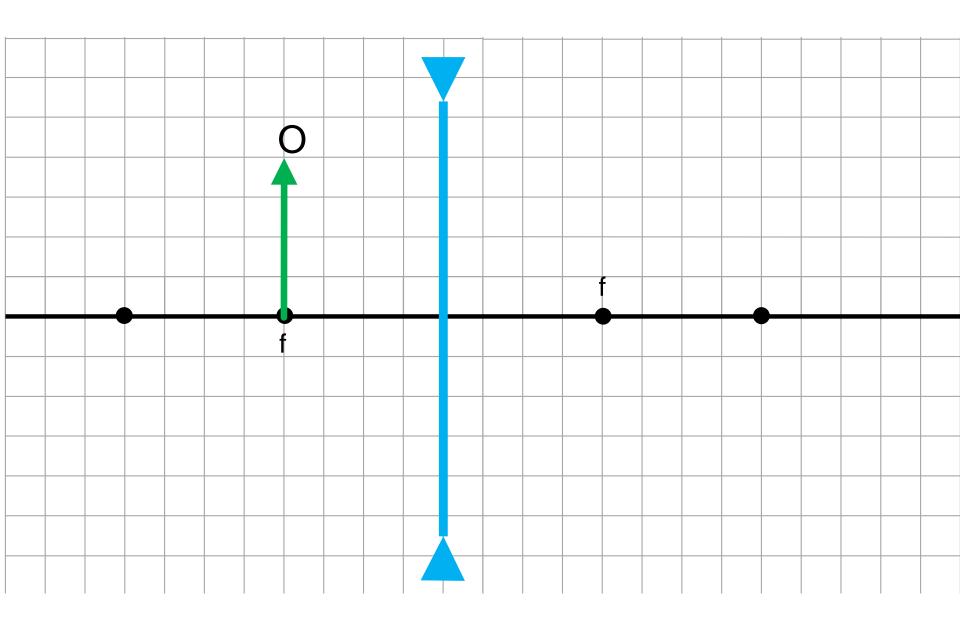


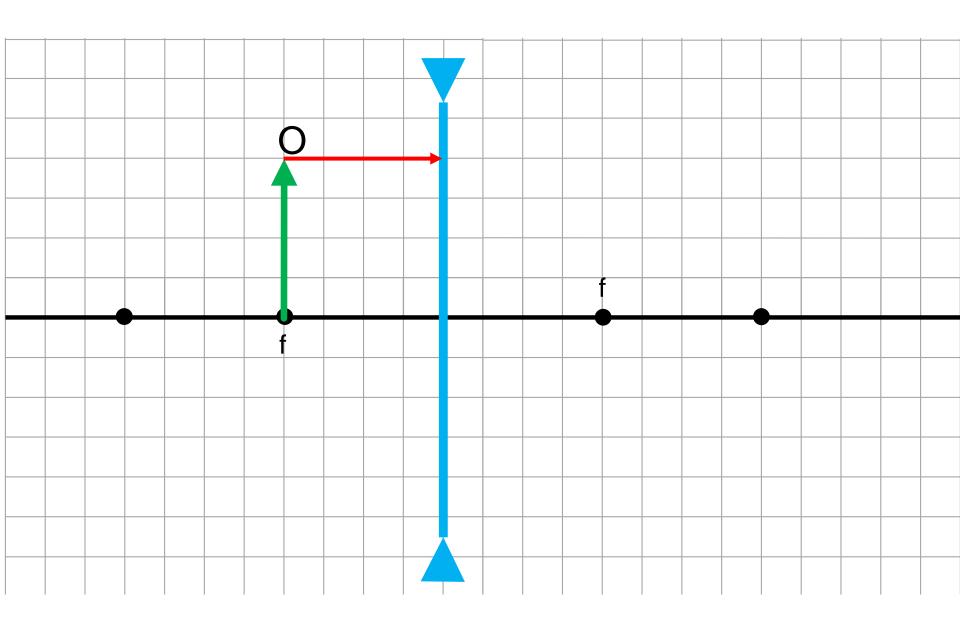


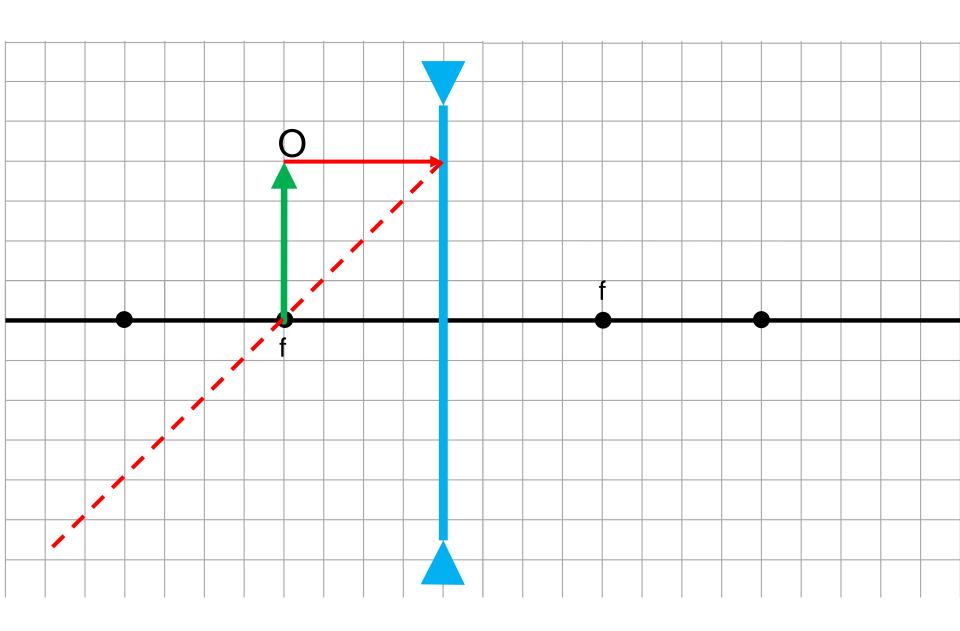


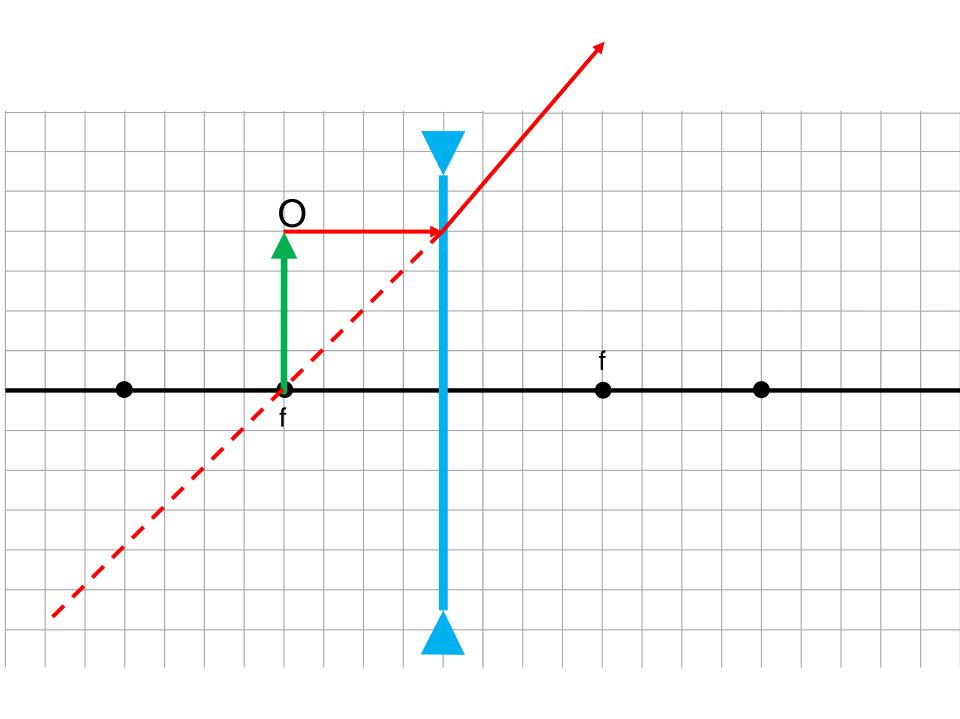


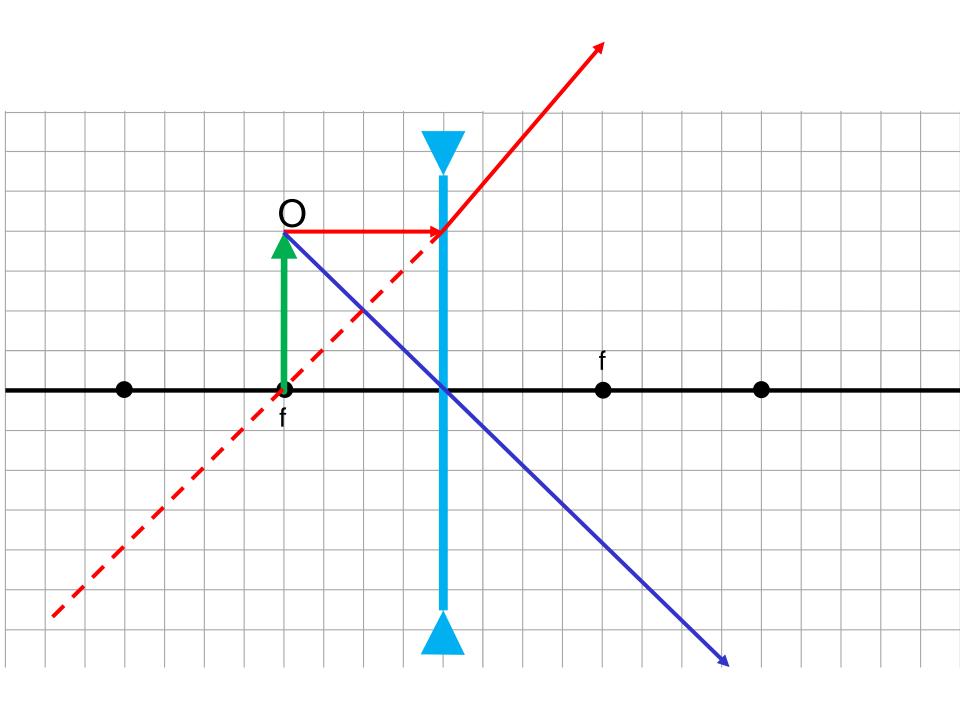
Segundo caso

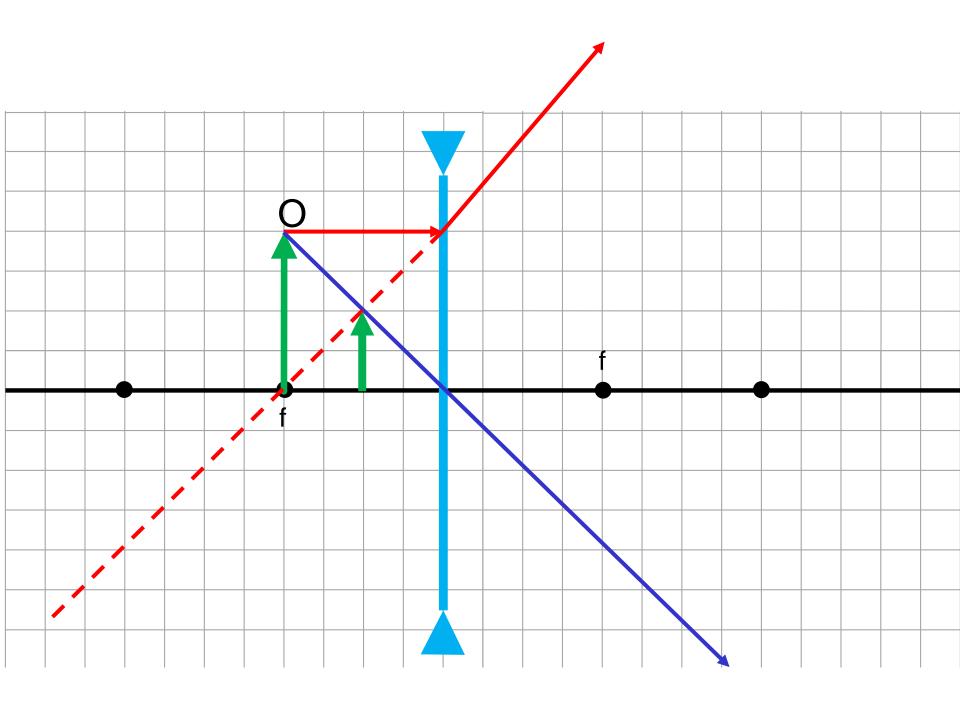


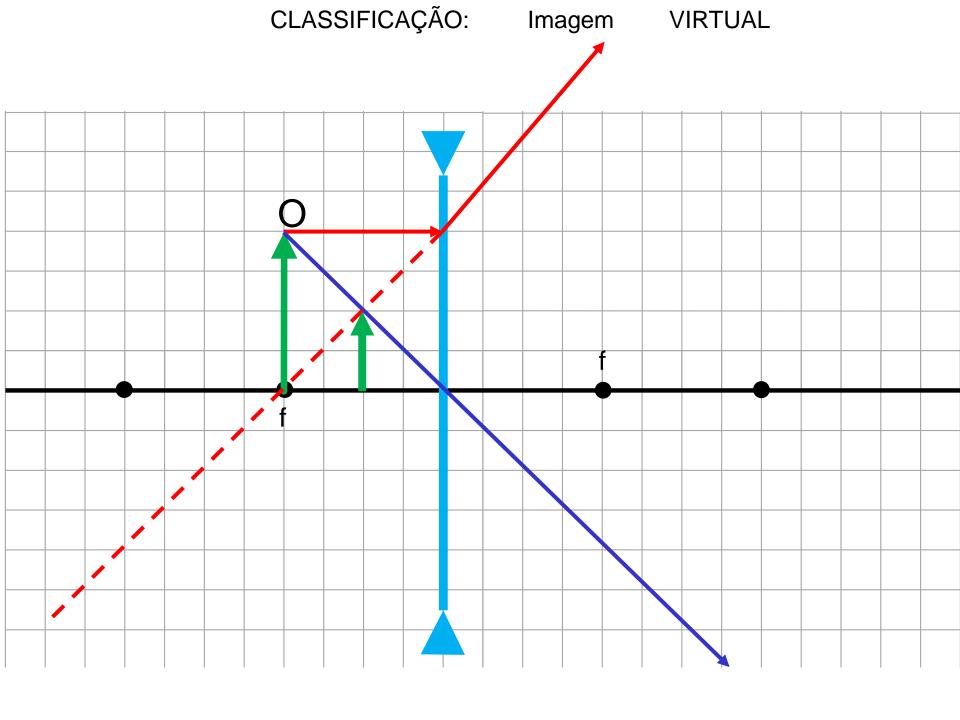


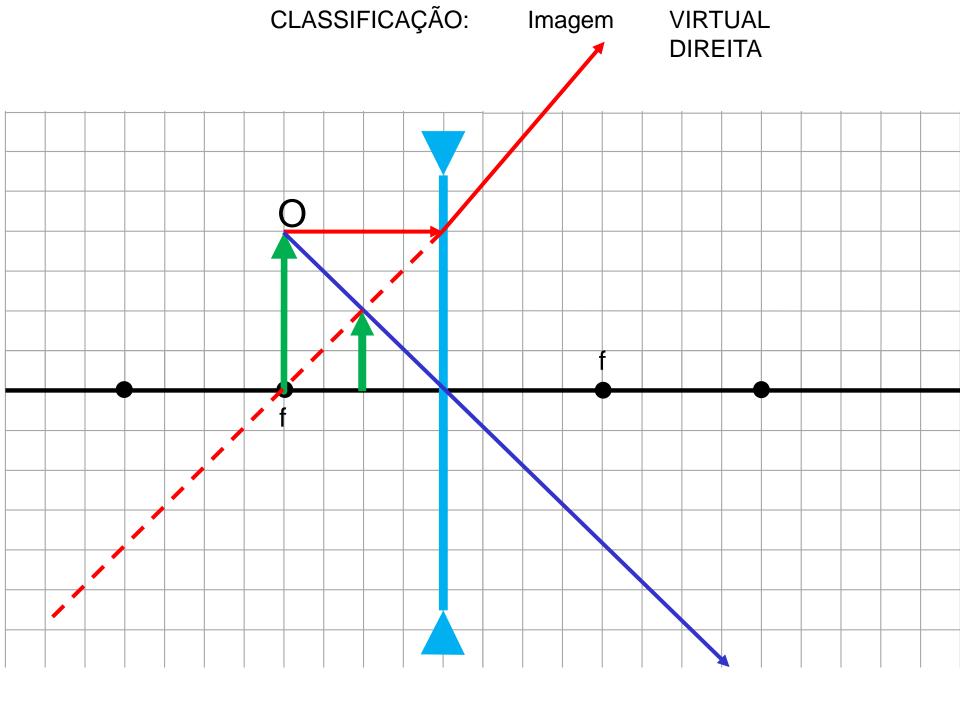


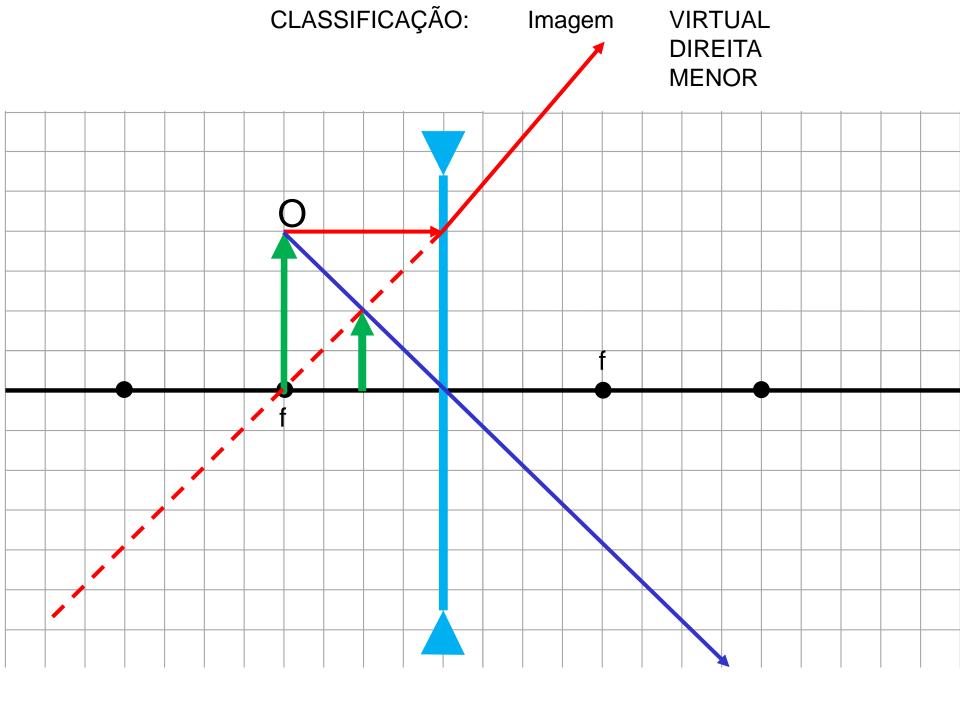




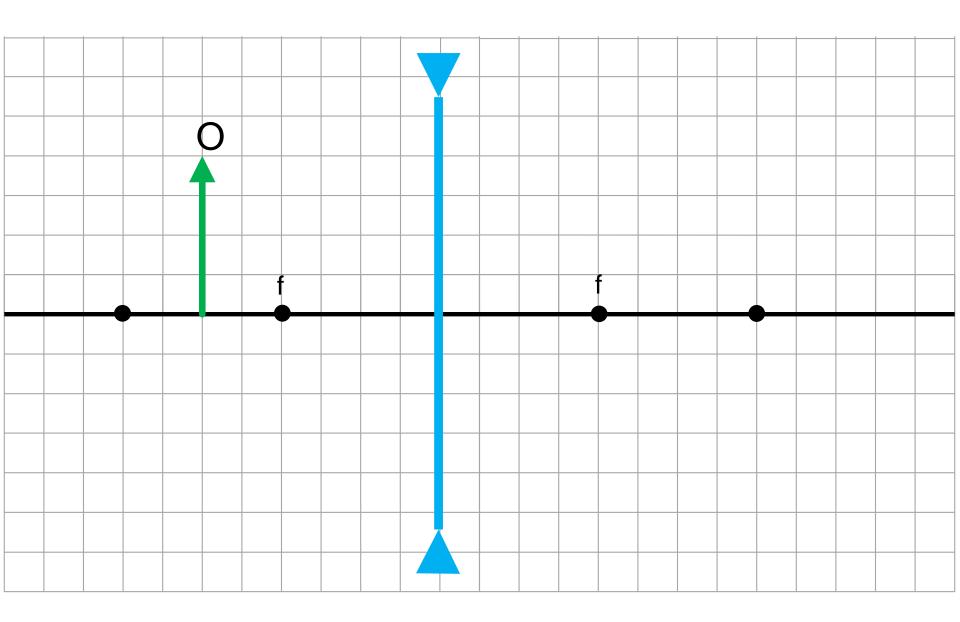


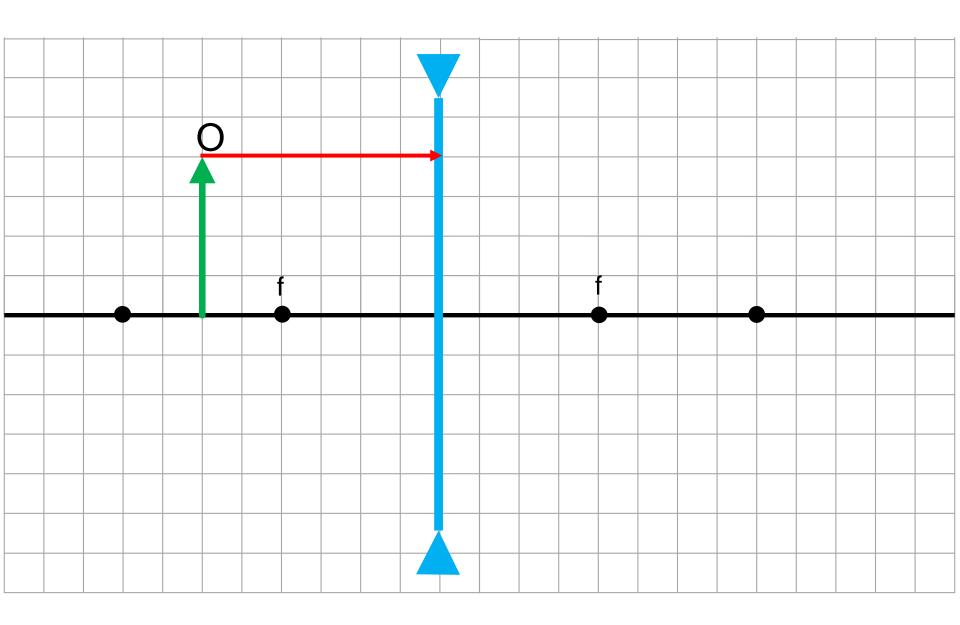


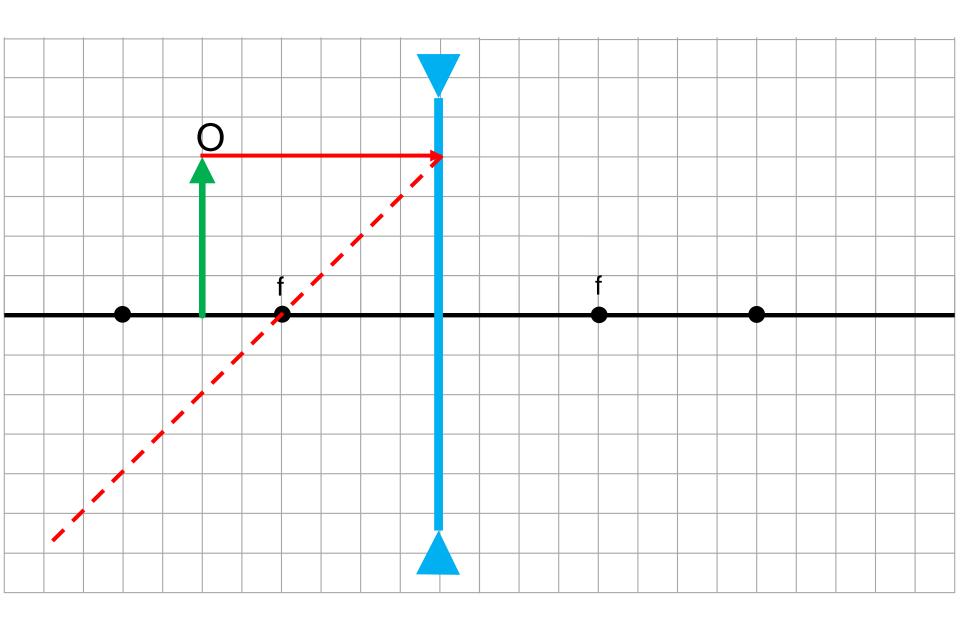


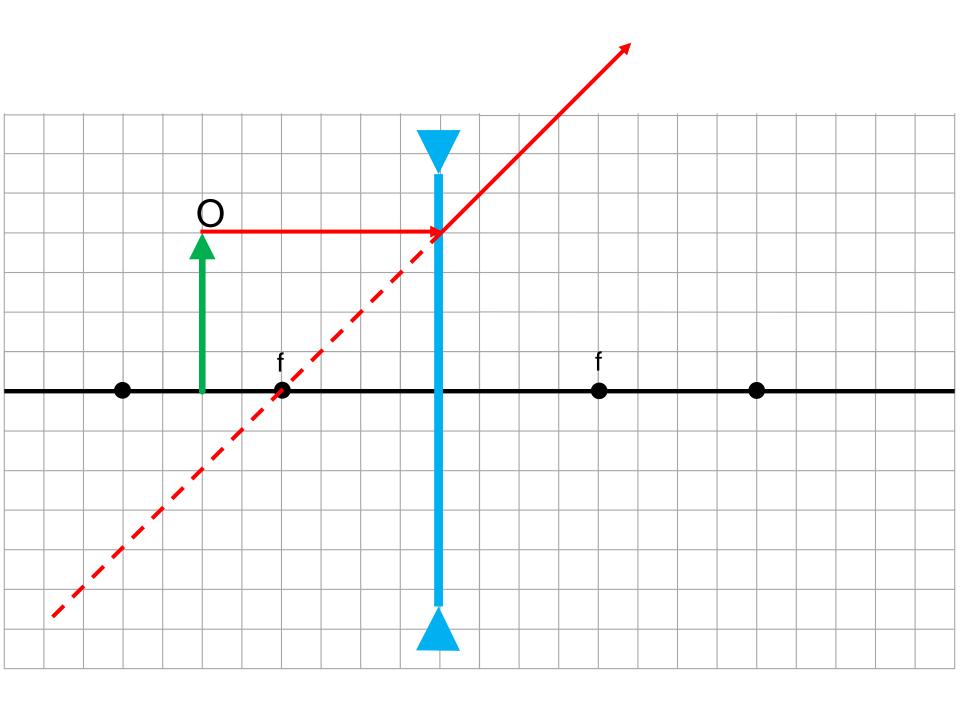


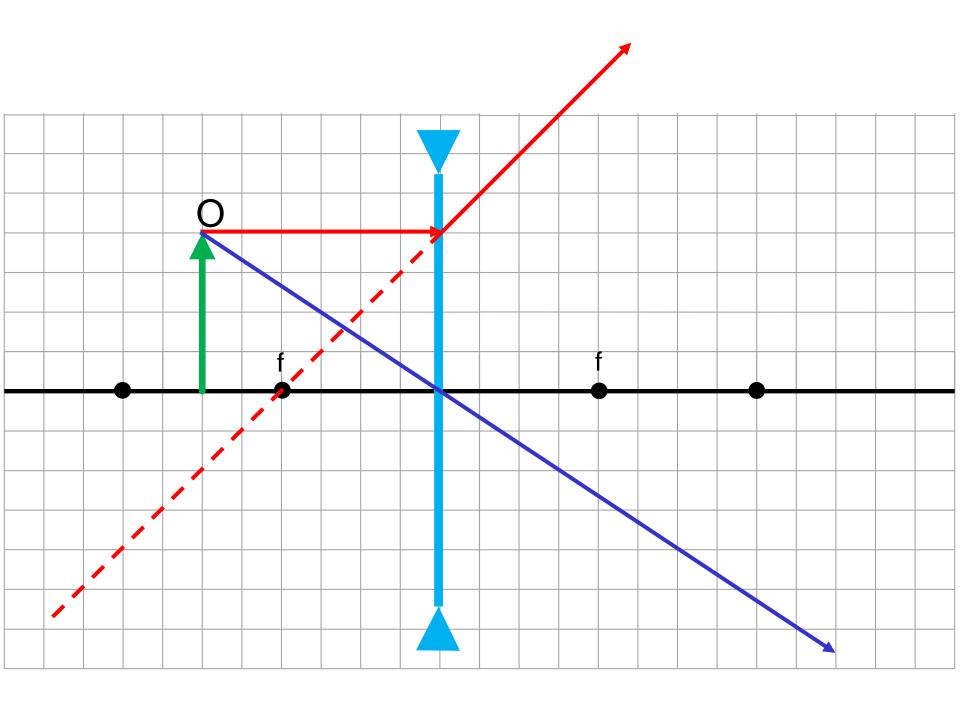
Terceiro caso

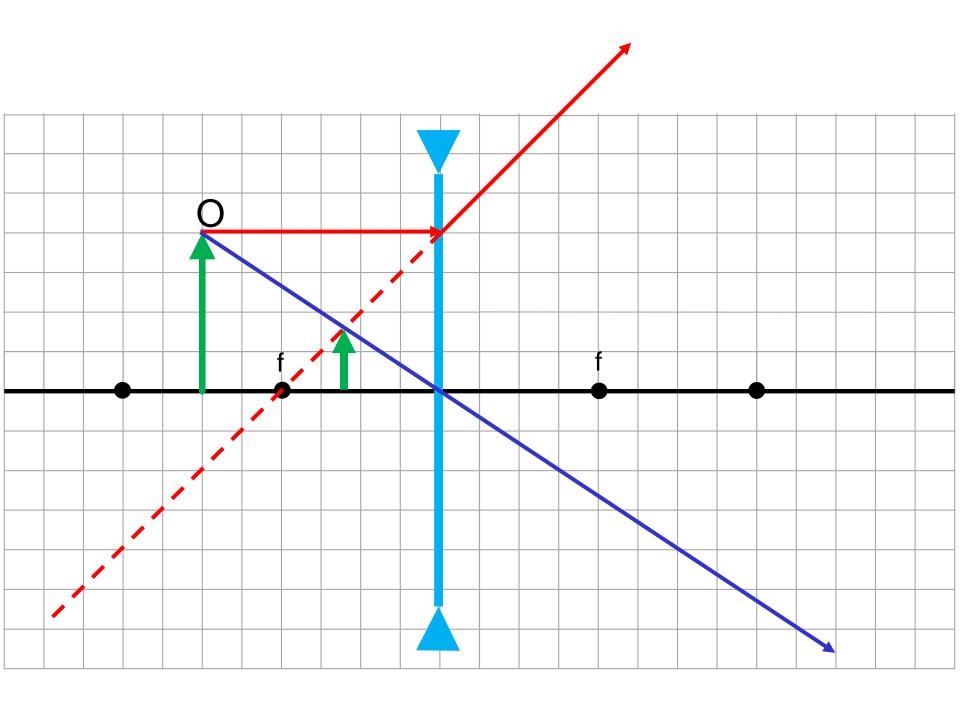


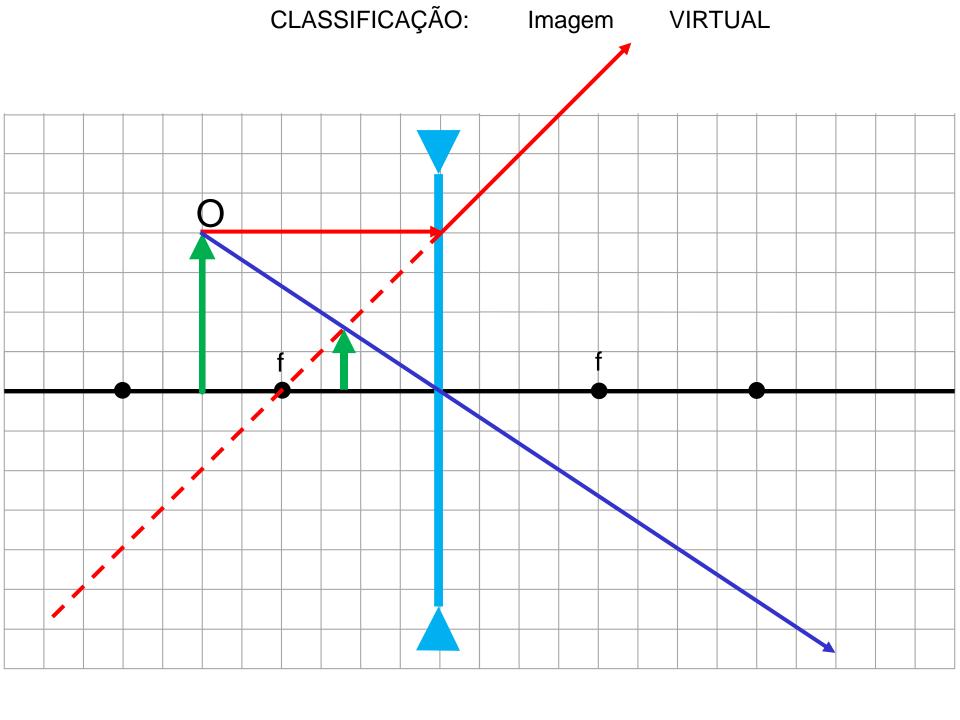


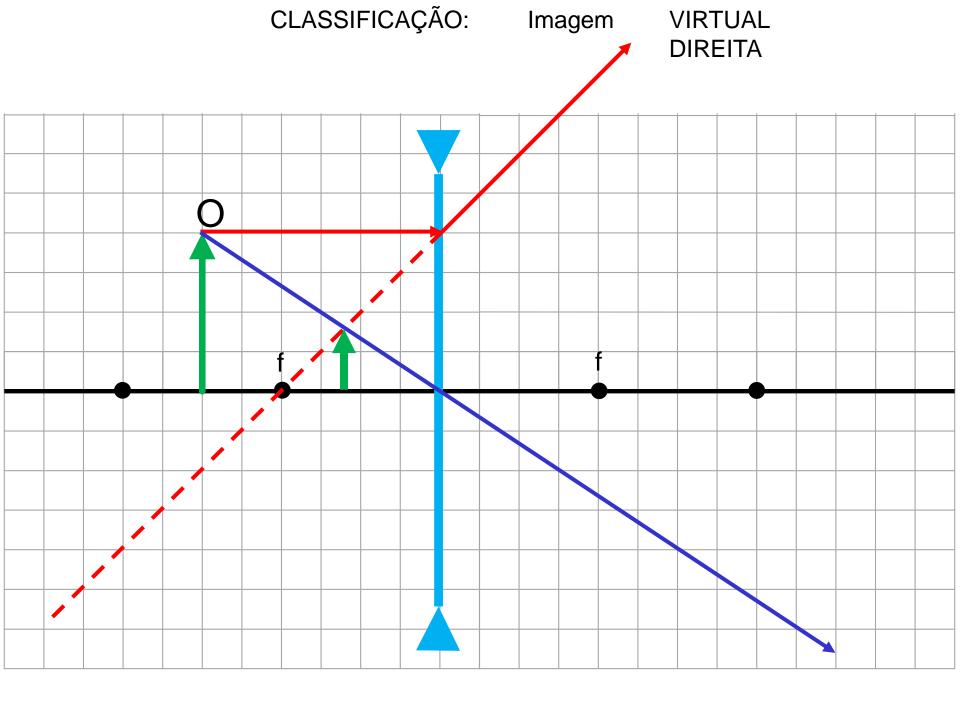


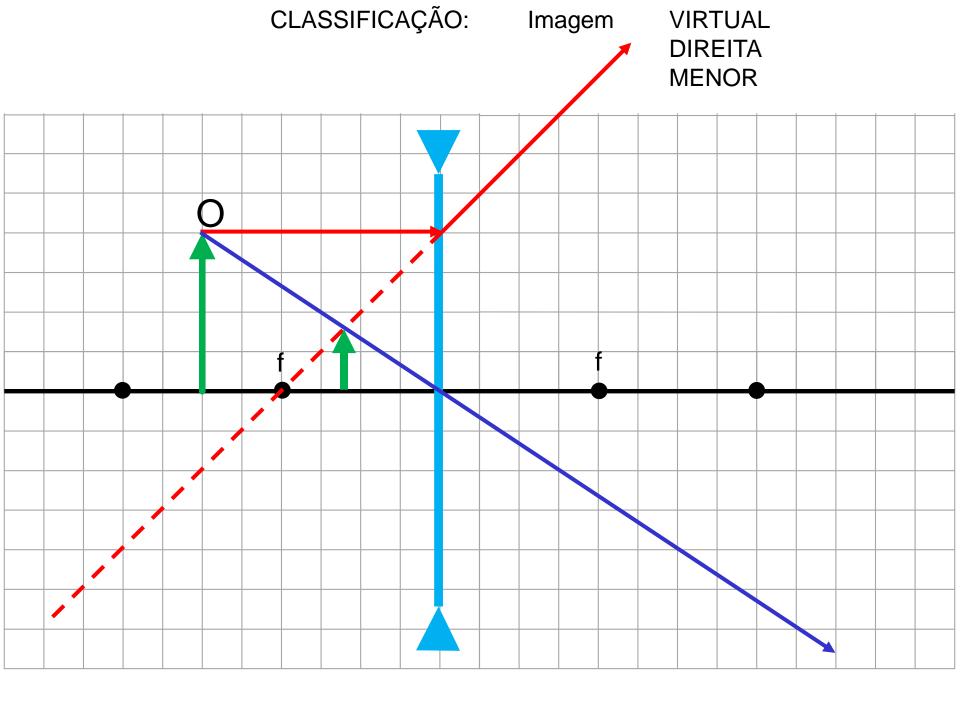




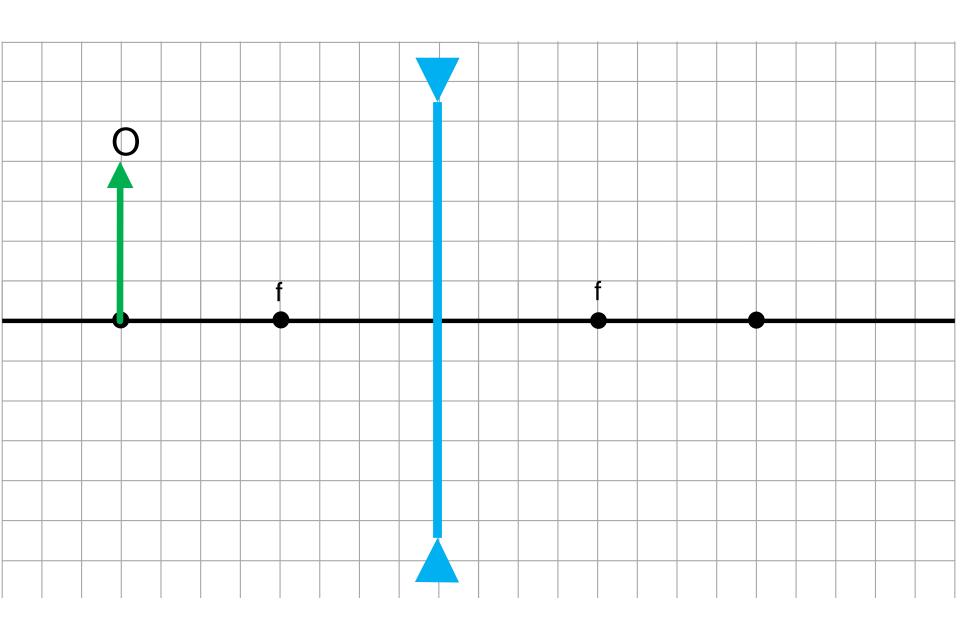


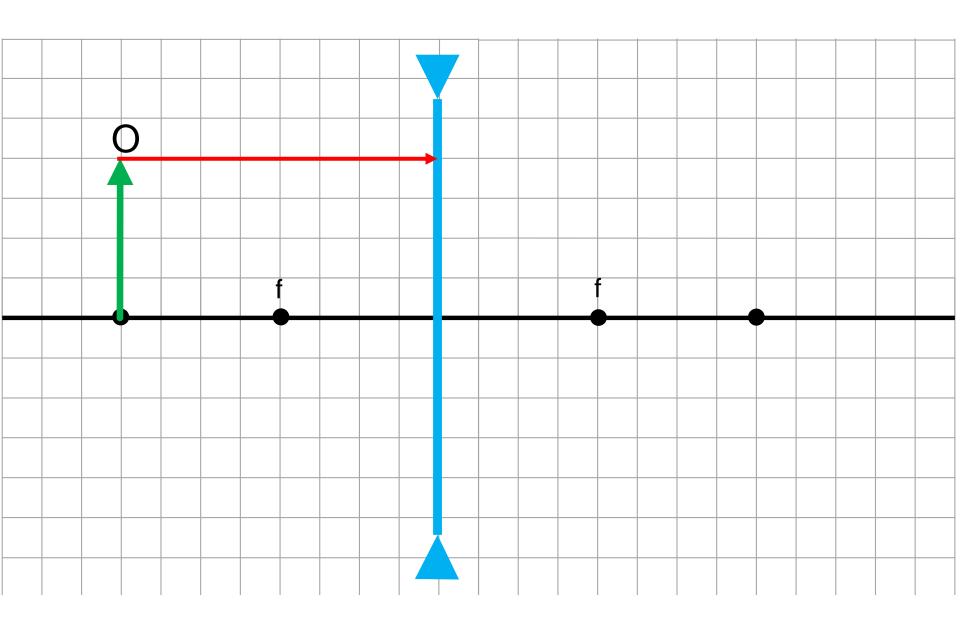


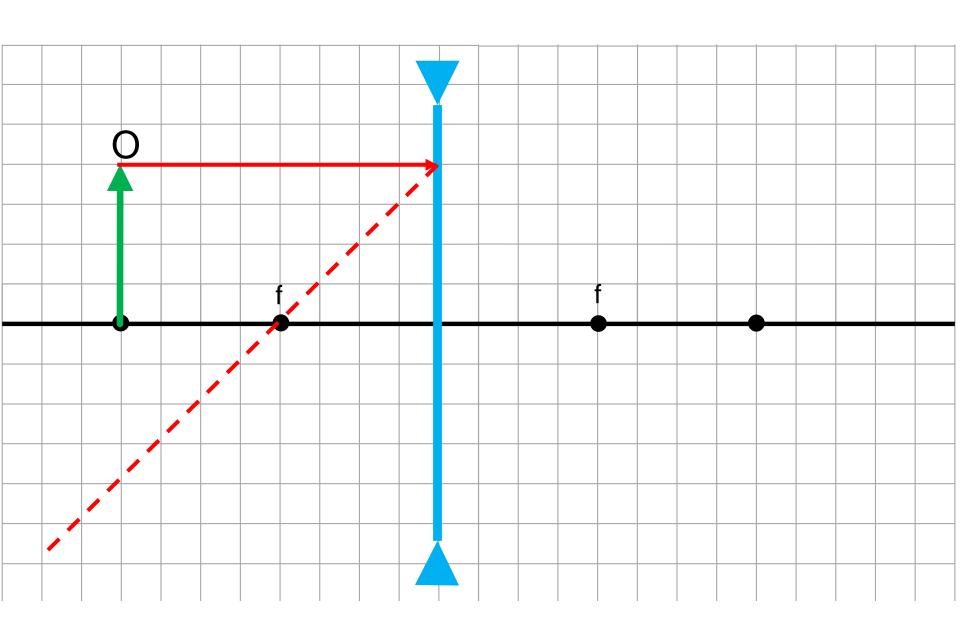


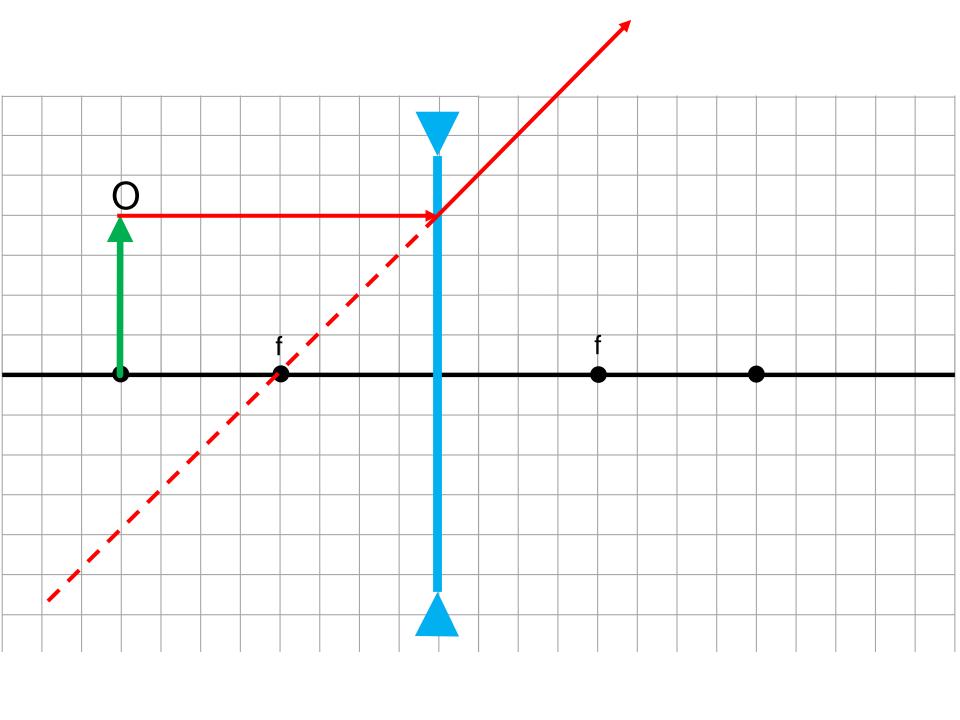


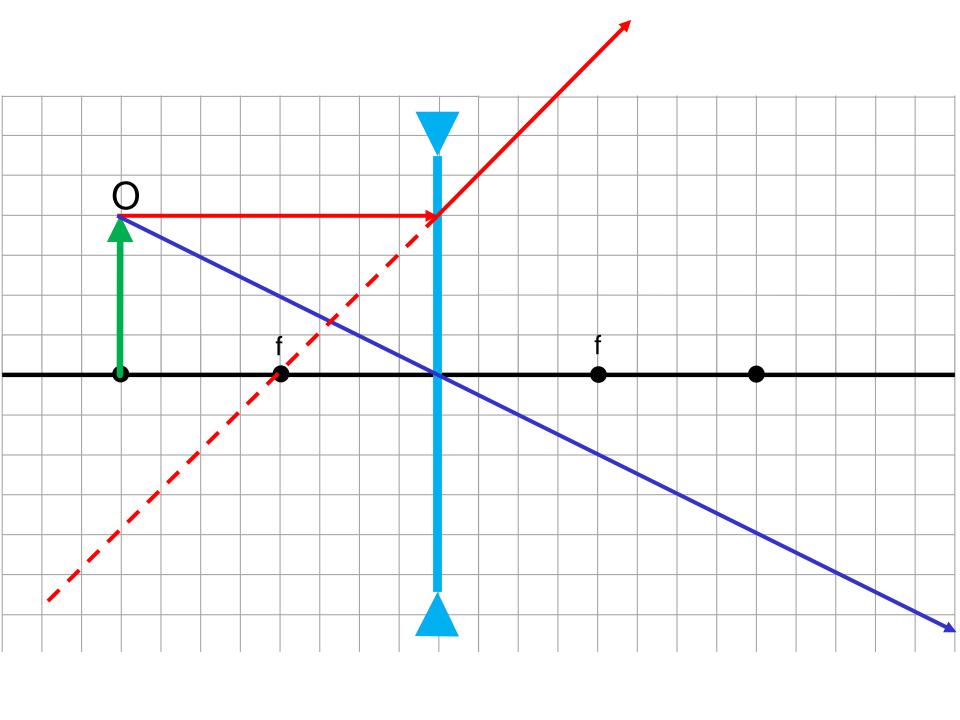
Quarto caso

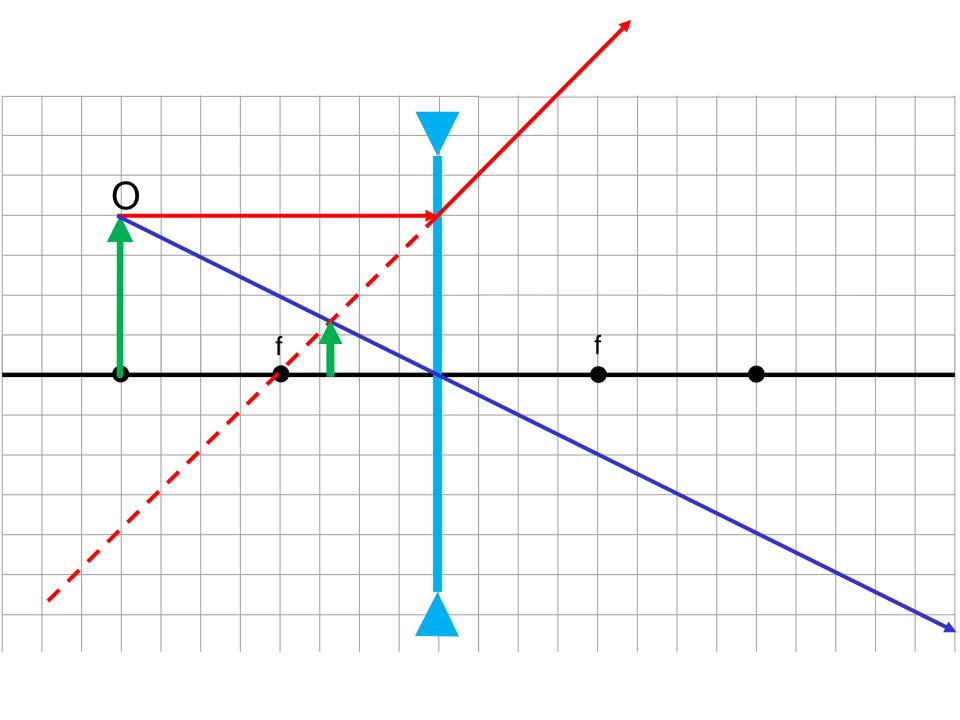


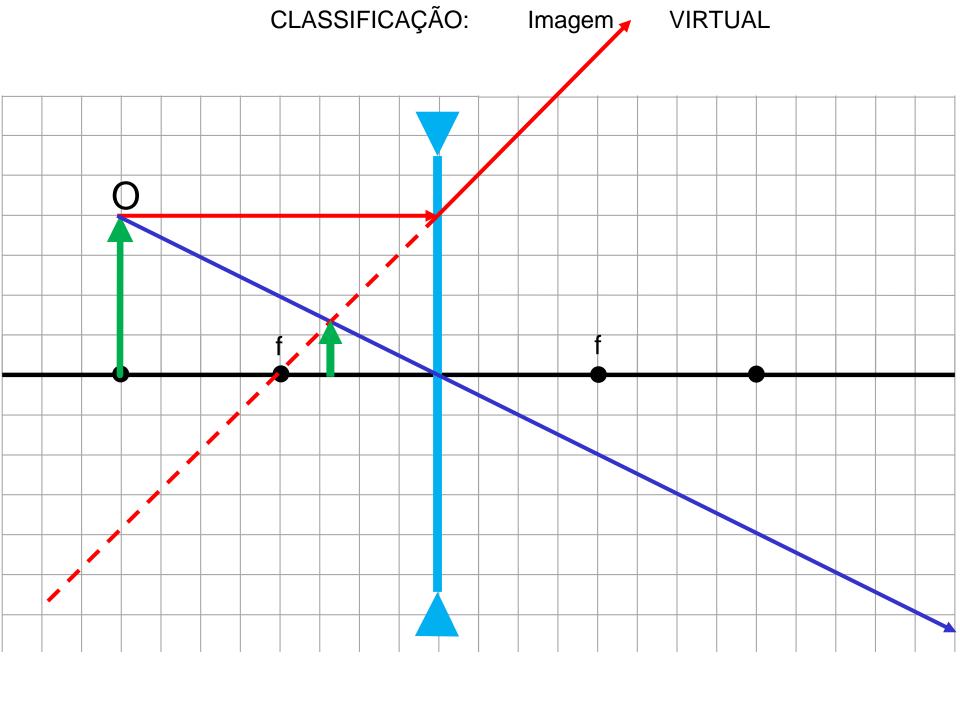


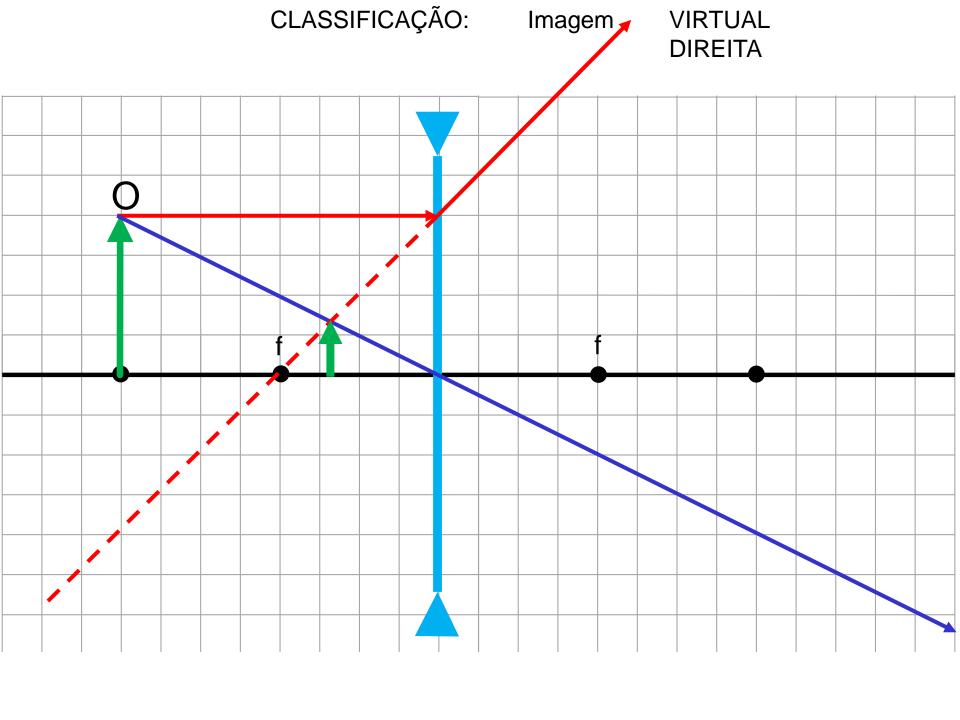


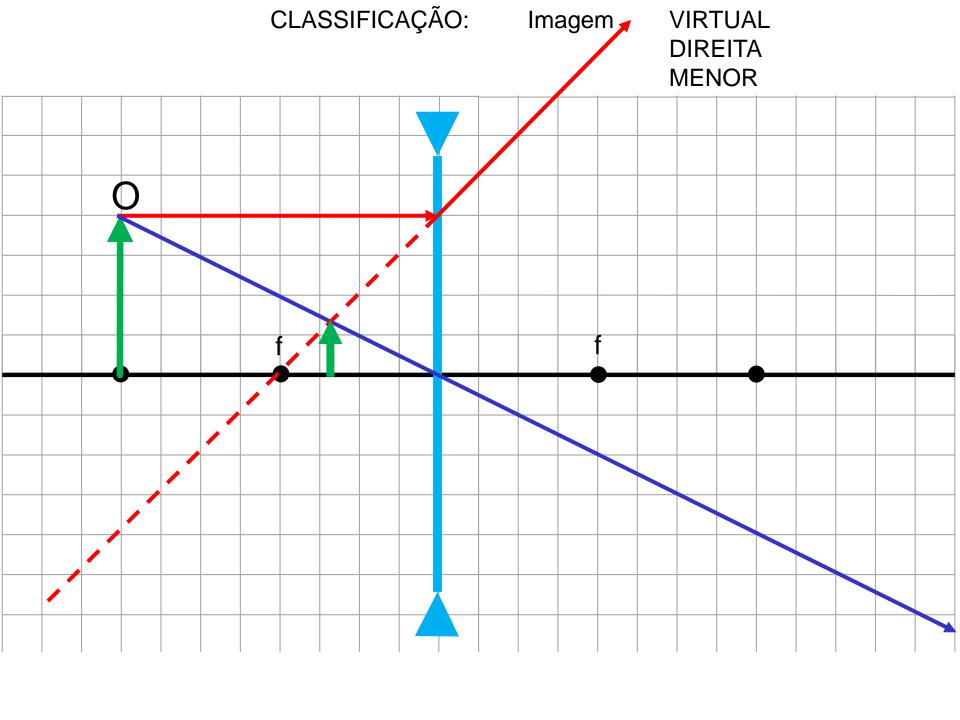




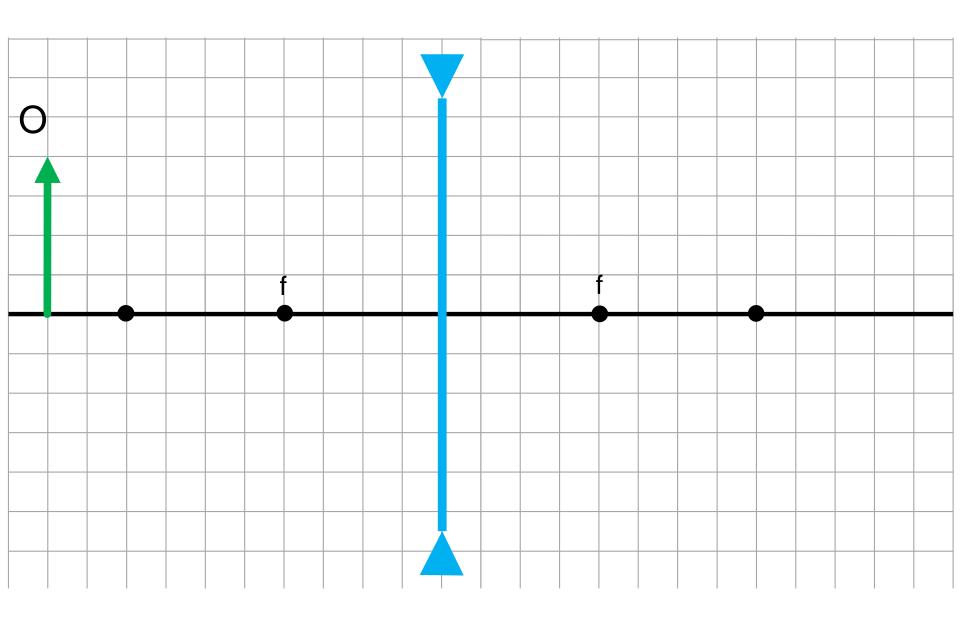


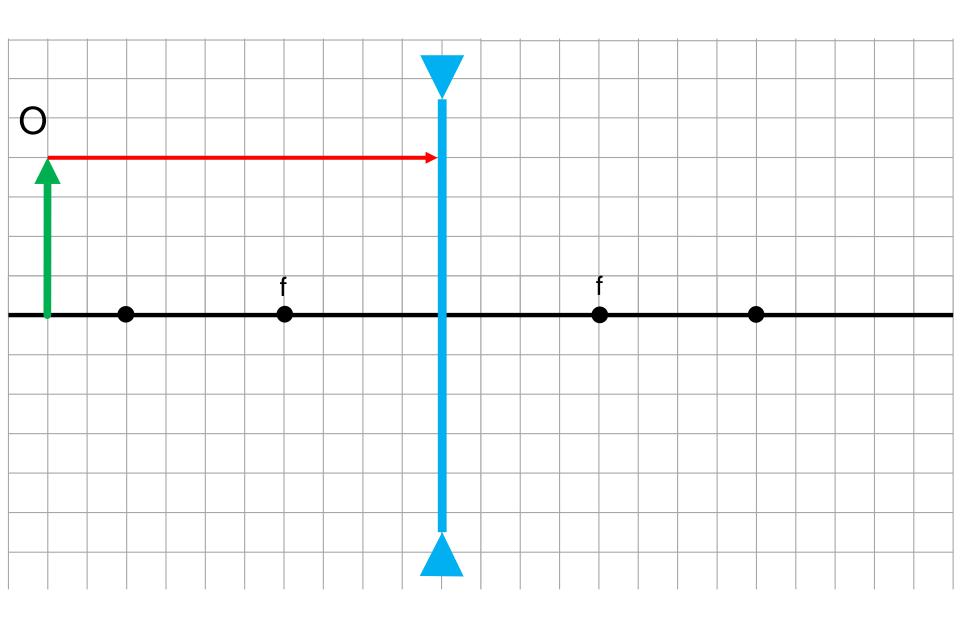


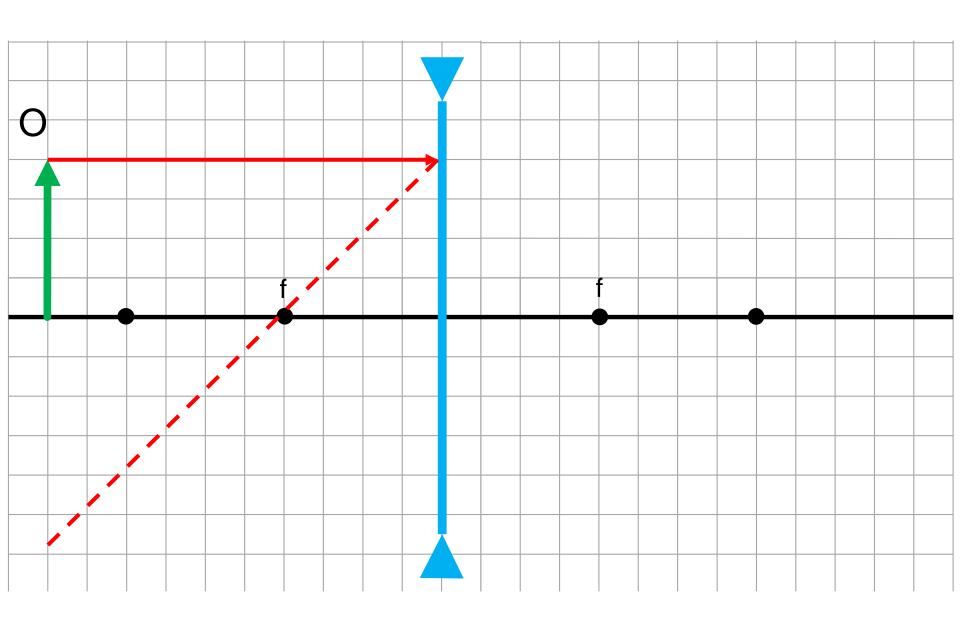


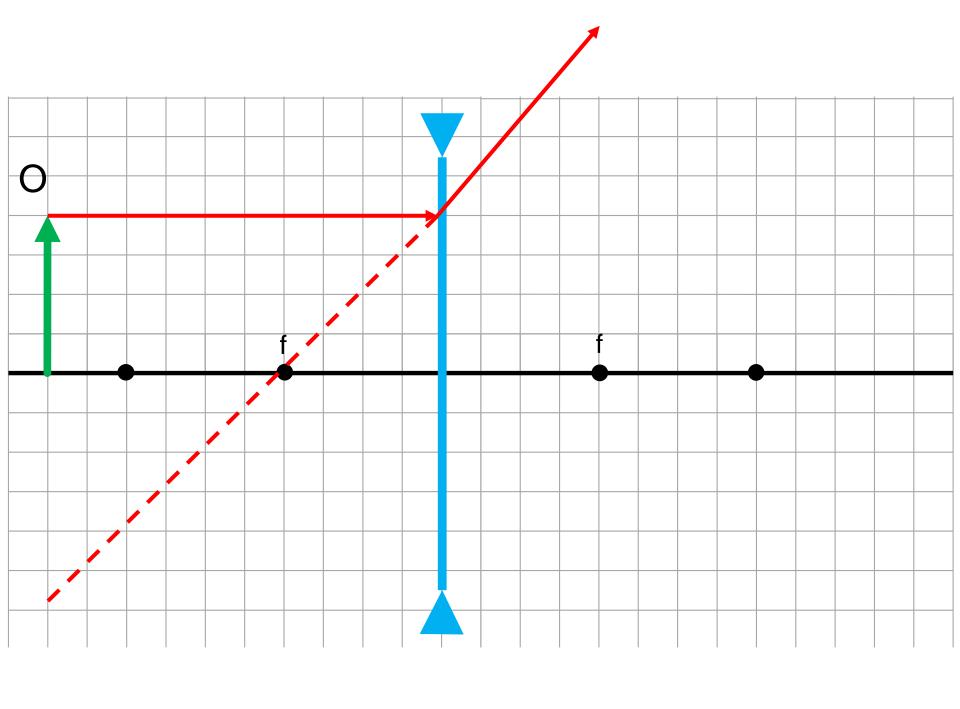


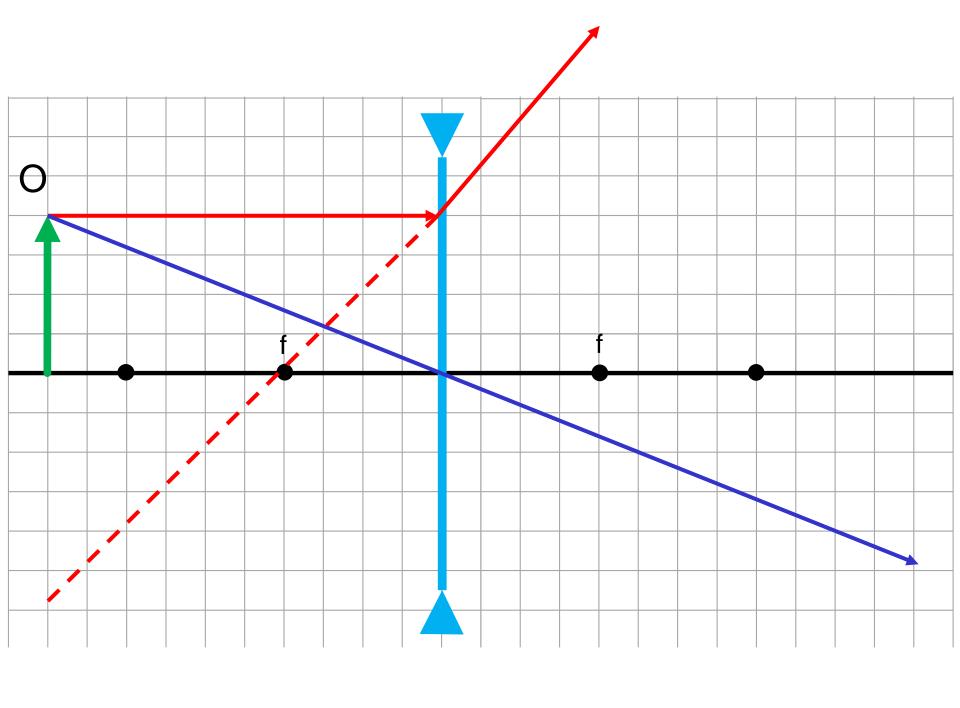
Quinto caso

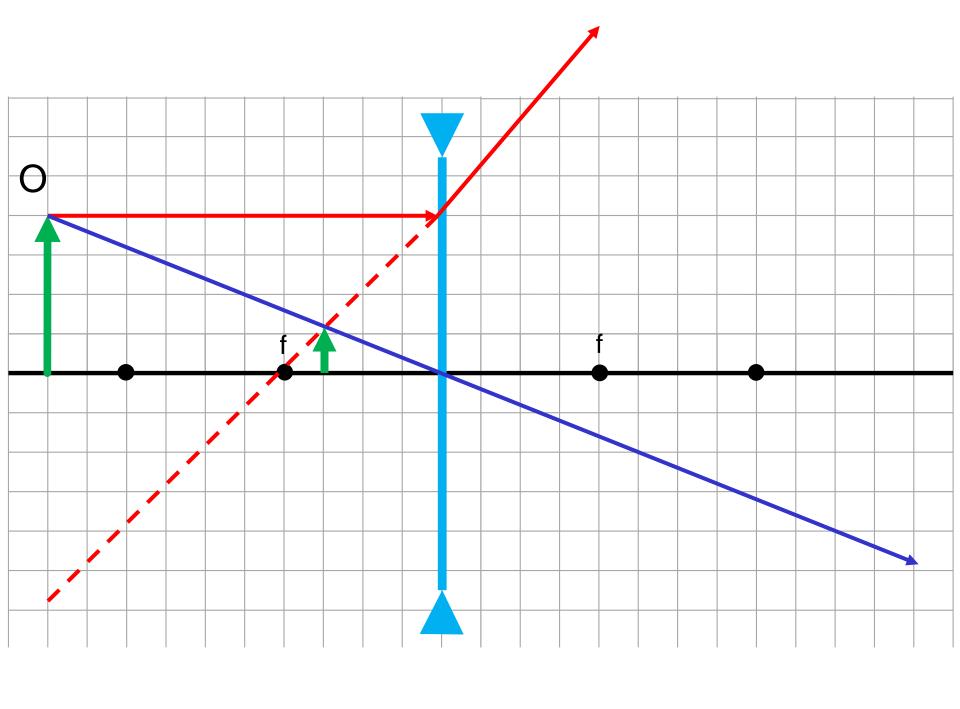


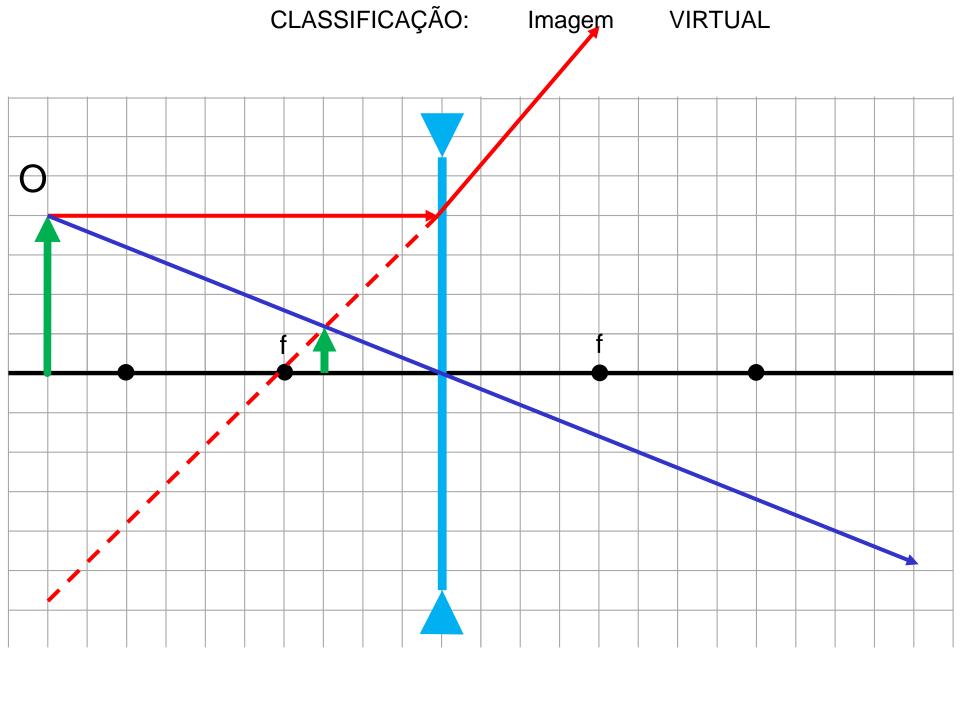


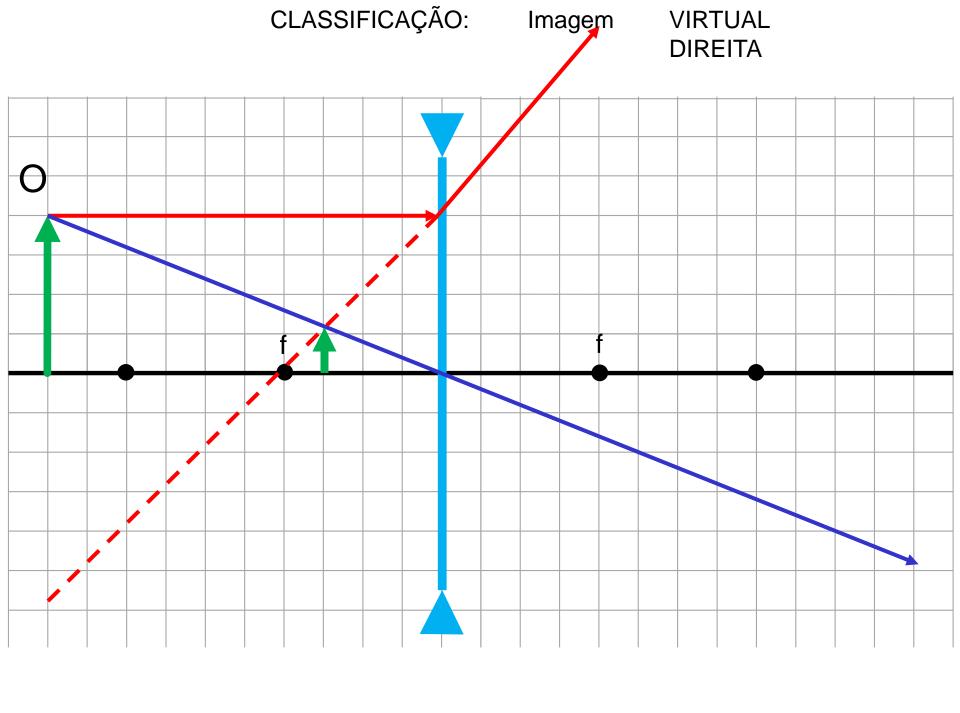


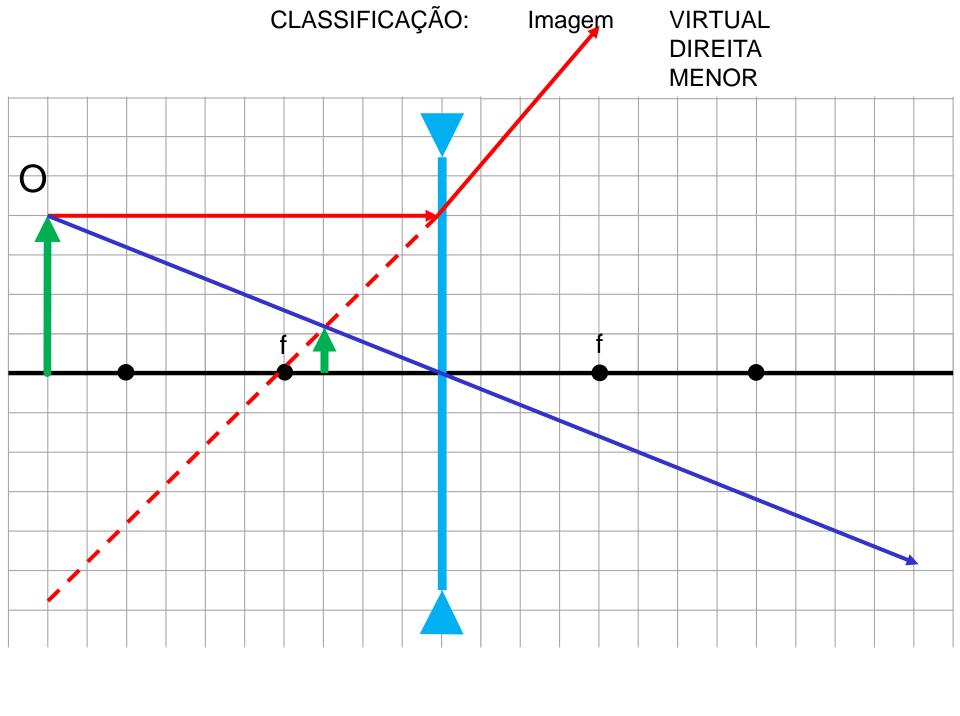




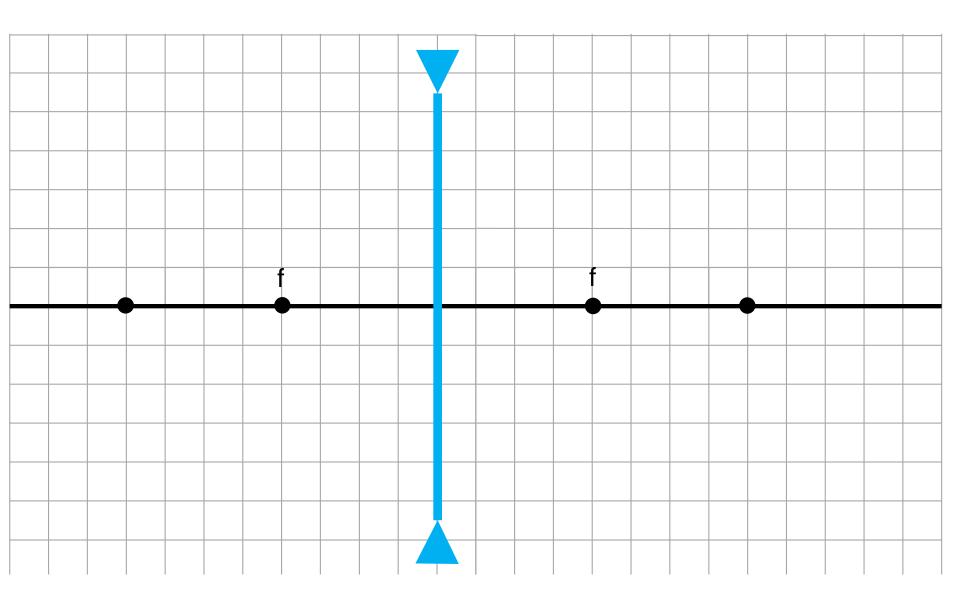


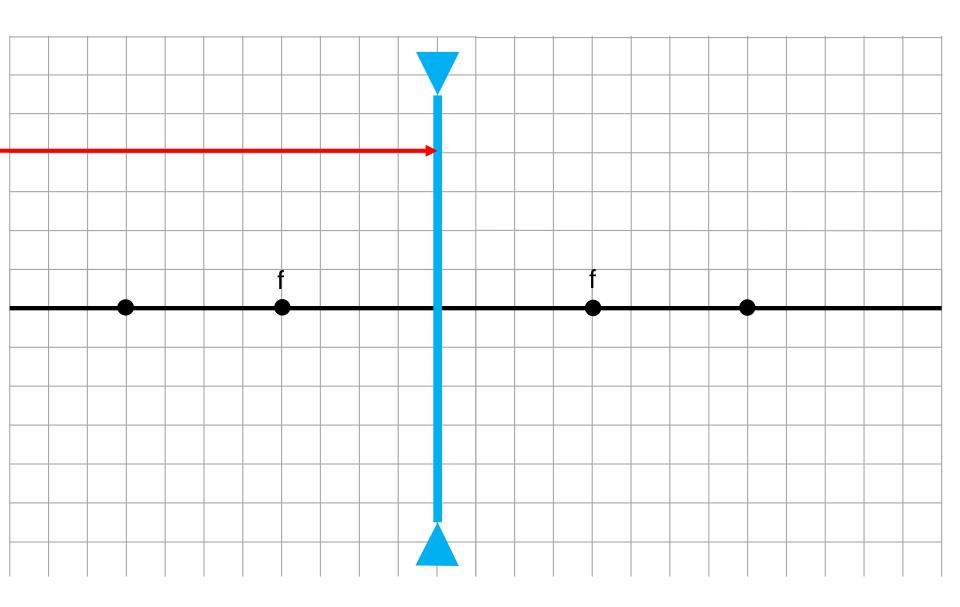


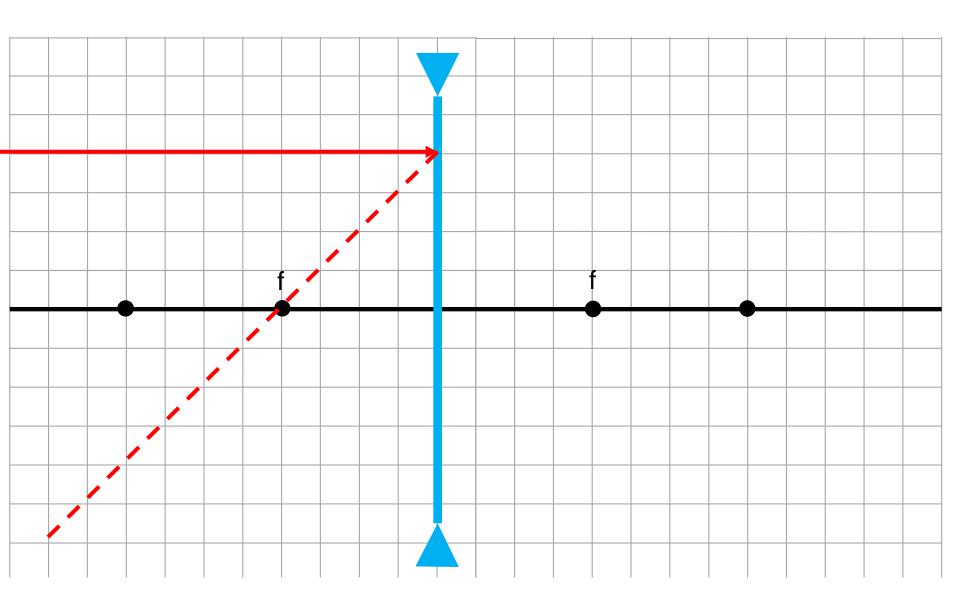


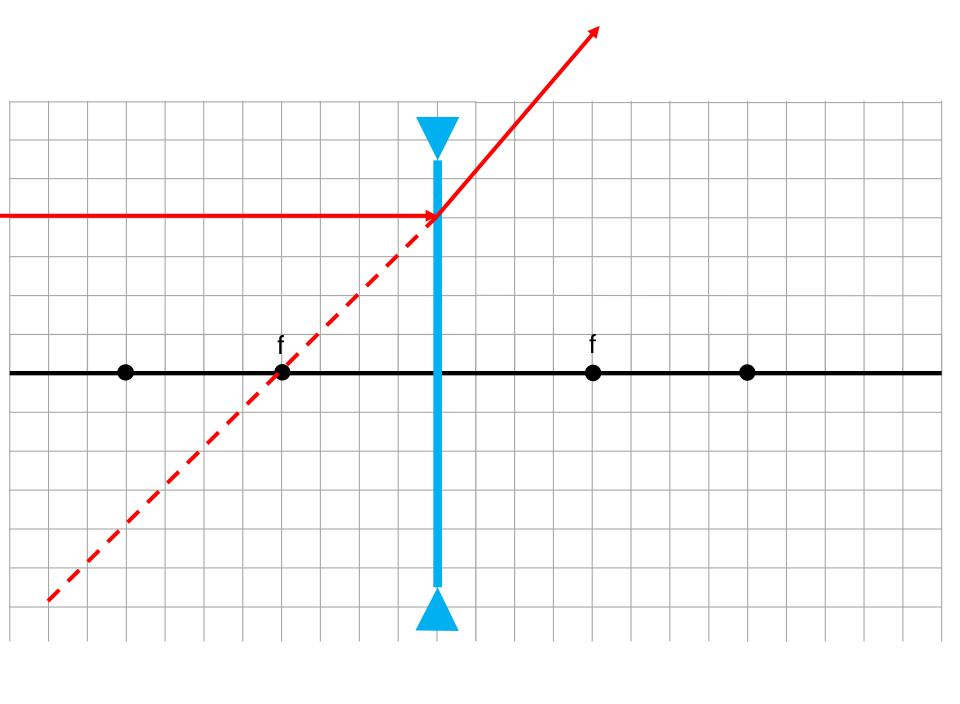


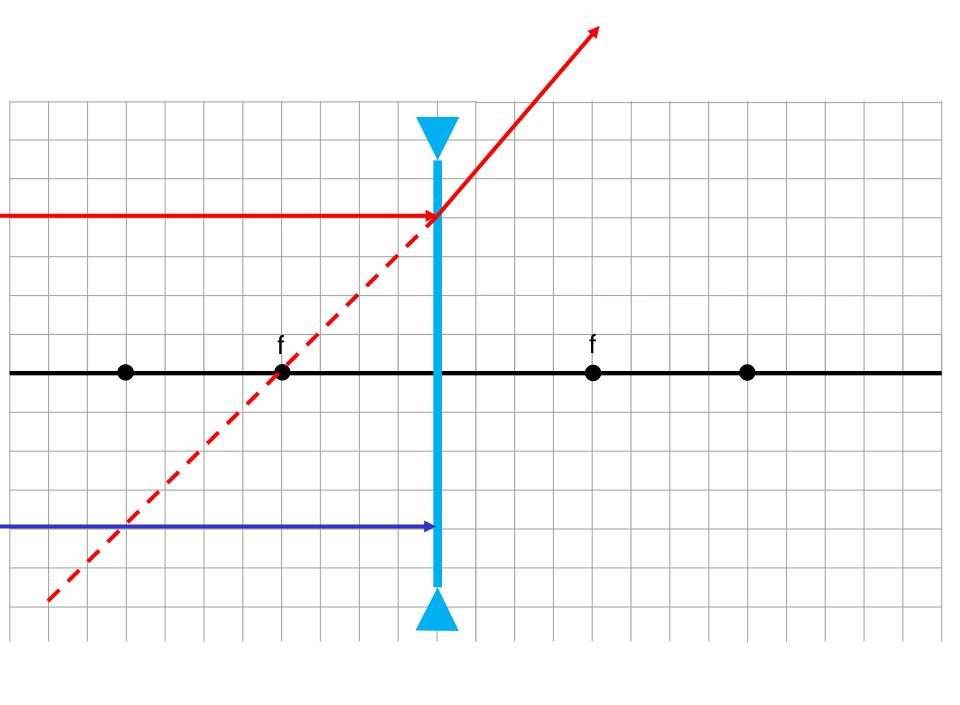
Sexto caso

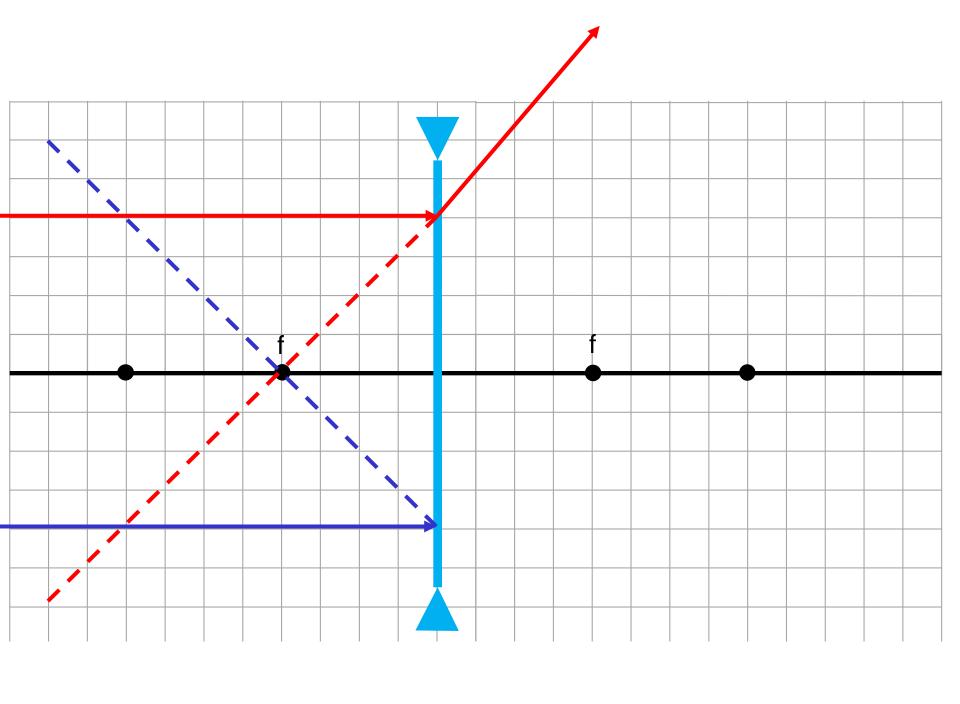


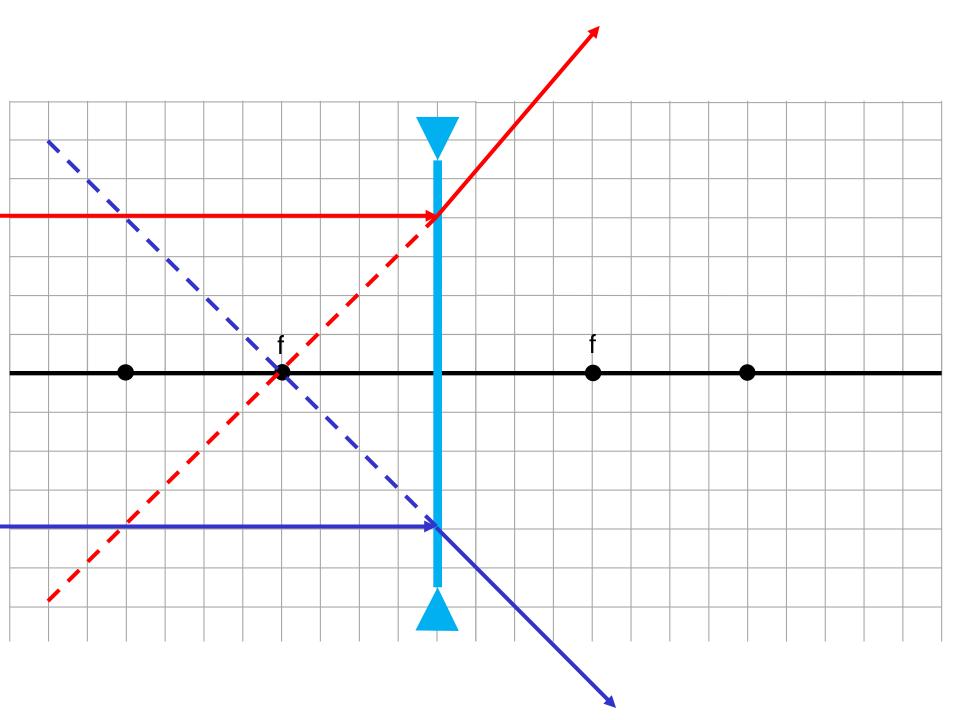


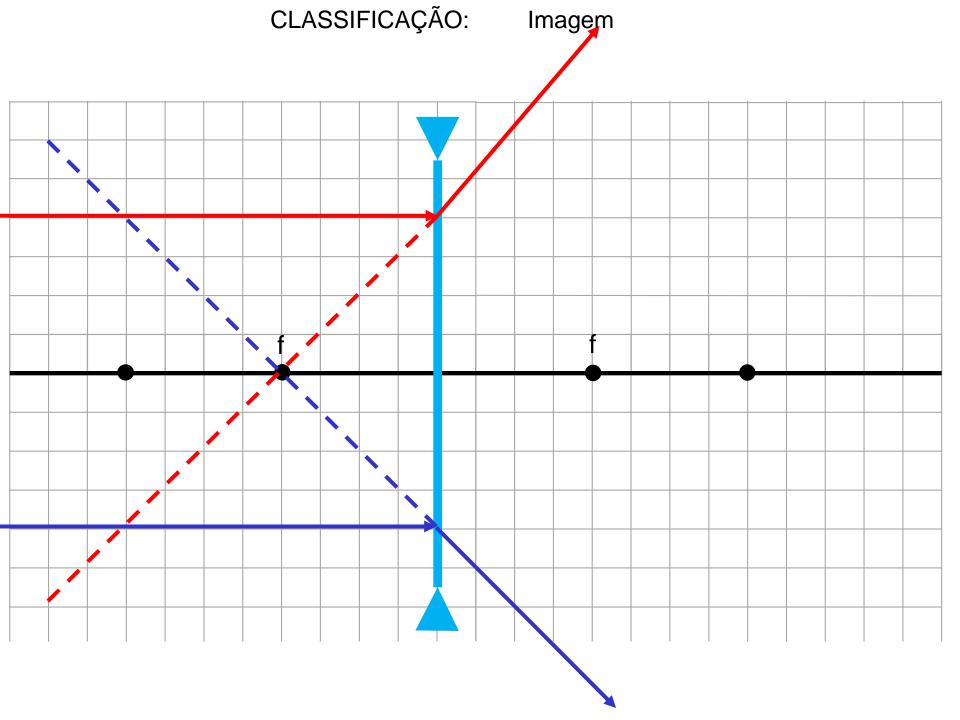












CLASSIFICAÇÃO: Imagem **PONTUAL E** LOÇALIZADA NO FOCO IMAGEM DA LENTE

ESTUDO ANALÍTICO

$$\frac{1}{f} = \frac{1}{p} + \frac{1}{p}$$