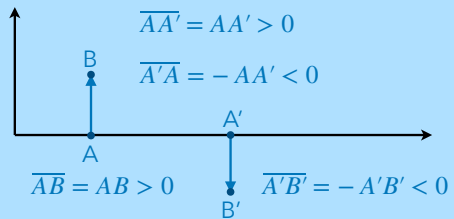
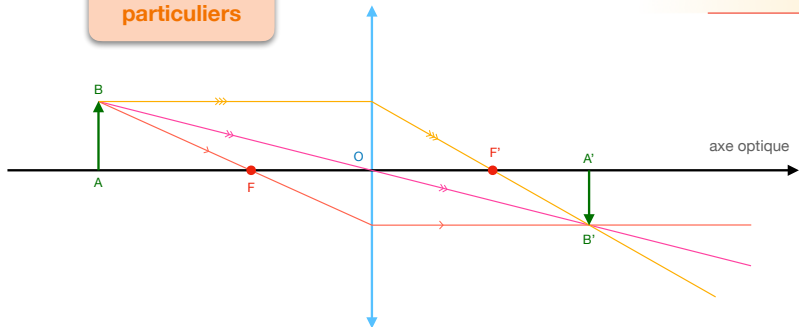


### mesures algébriques :

distance + signe



### Les 3 rayons particuliers

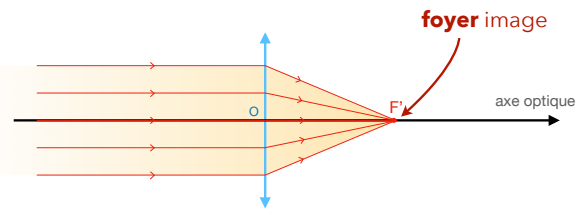


### distance focale

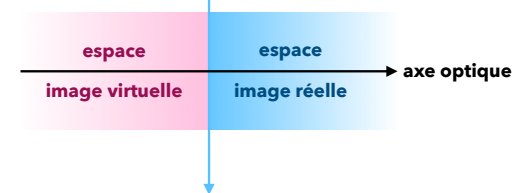
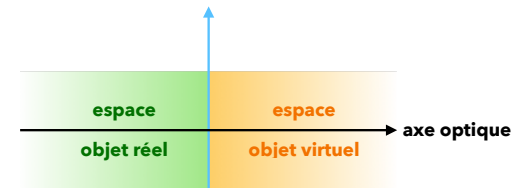
$f' = \overline{OF'}$   
 pour une lentille CV,  
 $f' > 0$

### grandissement

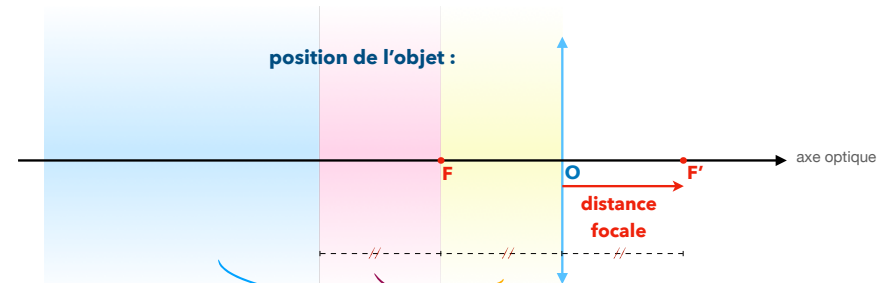
$$\gamma = \frac{\overline{A'B'}}{\overline{AB}}$$



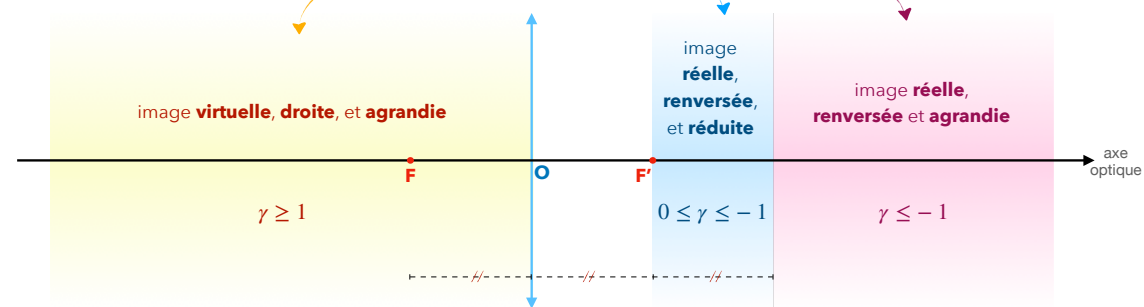
Permet d'estimer  $f'$  avec une source lumineuse lointaine.



### position de l'objet :



### nature et position de l'image :



$\overline{OA} = -\infty$	$\overline{OA'} = \overline{OF'} = f'$
$\overline{OA} = \overline{OF} = -f'$	$\overline{OA'} = \infty$

$ \gamma  > 1$	image agrandie
$ \gamma  < 1$	image réduite
$\gamma > 0$	image droite
$\gamma < 0$	image renversée