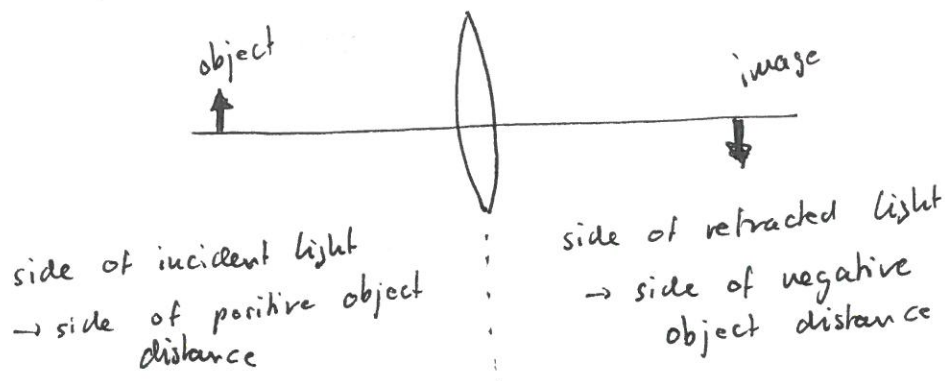
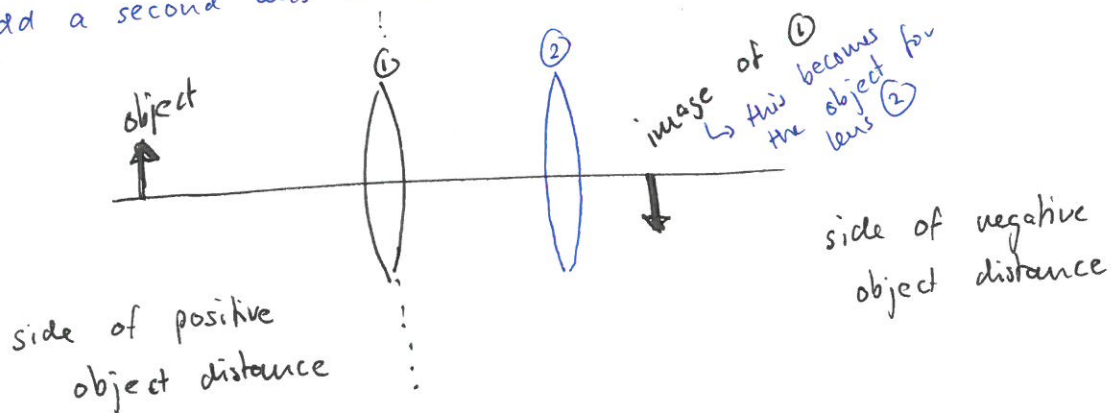


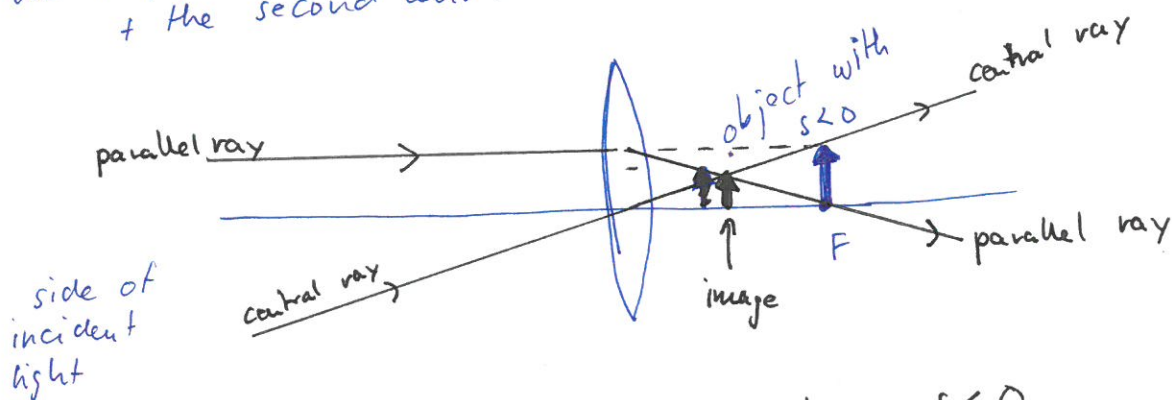
Hint for HW 32, Problem #4



Add a second lens to the above:



Now we ignore how we created the object with negative object distance.
We simply keep the object with a negative object distance.
+ the second lens:



side of incident light
↓
rays must originate on this side when drawing ray diagram

(b) object distance $s < 0$
focal length $f > 0$ (converging lens)
⇒ find image distance s'

(c) repeat for $s < 0$
 $f < 0$ (diverging lens)