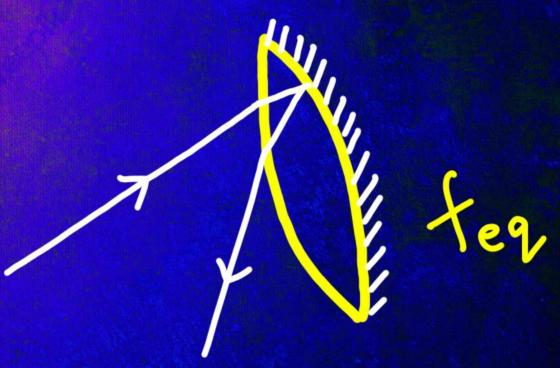
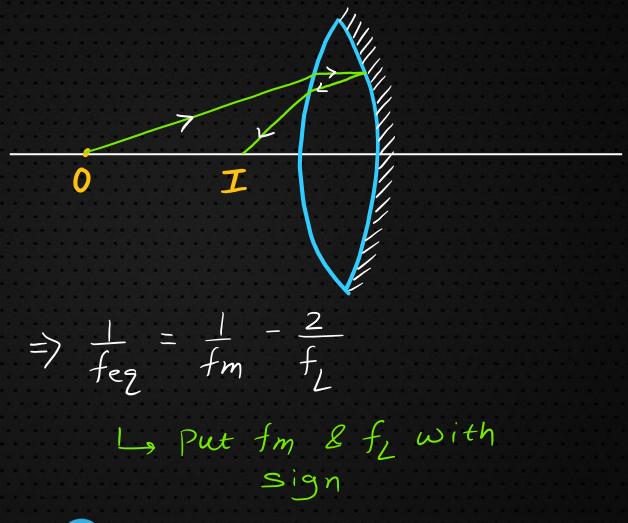


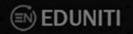
TRICKS IN RAY OPTICS



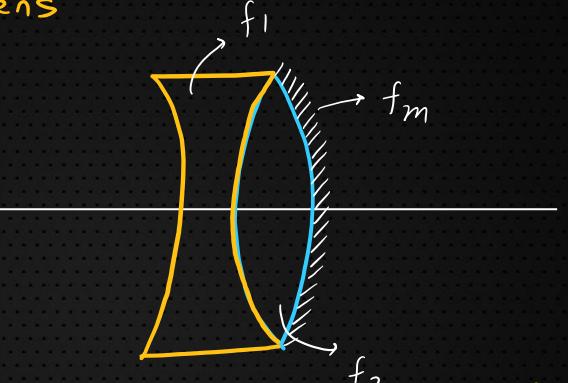
feg in a Silvered Lens



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feg in a Silvered Lens



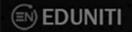
$$\frac{1}{f_{eq}} = \frac{1}{f_m} - 2\left(\frac{1}{f_1} + \frac{1}{f_2}\right)$$

(on cave Convex mirror nature mirror nature

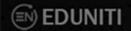
+VE



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An object in placed 30 cm in front of an equiconcave lens that is made of glass of refractive index 1.5 and having radii of curvature 30 cm. The surface of the lens farther away from the object is silvered. Find the nature and position of the final image



When the flat surface of a planoconvex lens is silvered, an object coincides with its image at a distance of 15cm from the lens. If the curved surface is silvered, the object coincides with its image at a distance of 5cm from the lens. Calculate the refractive index of glass.

