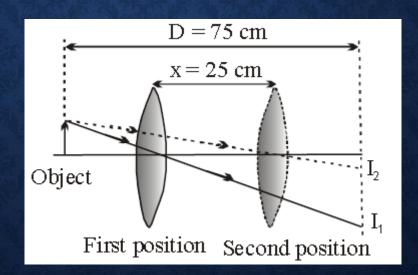
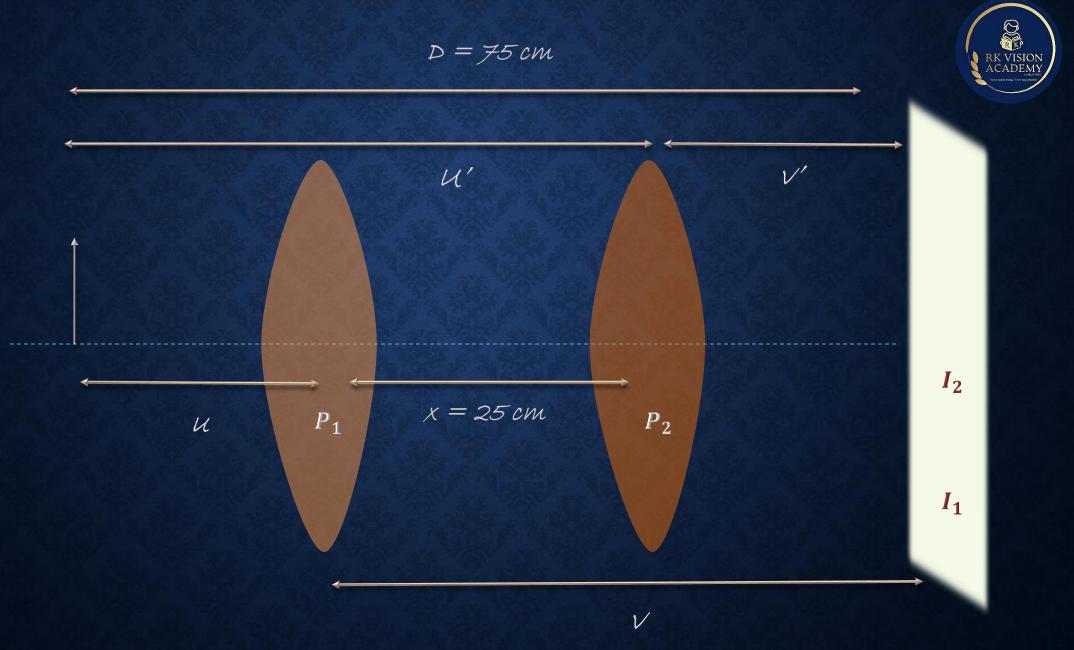
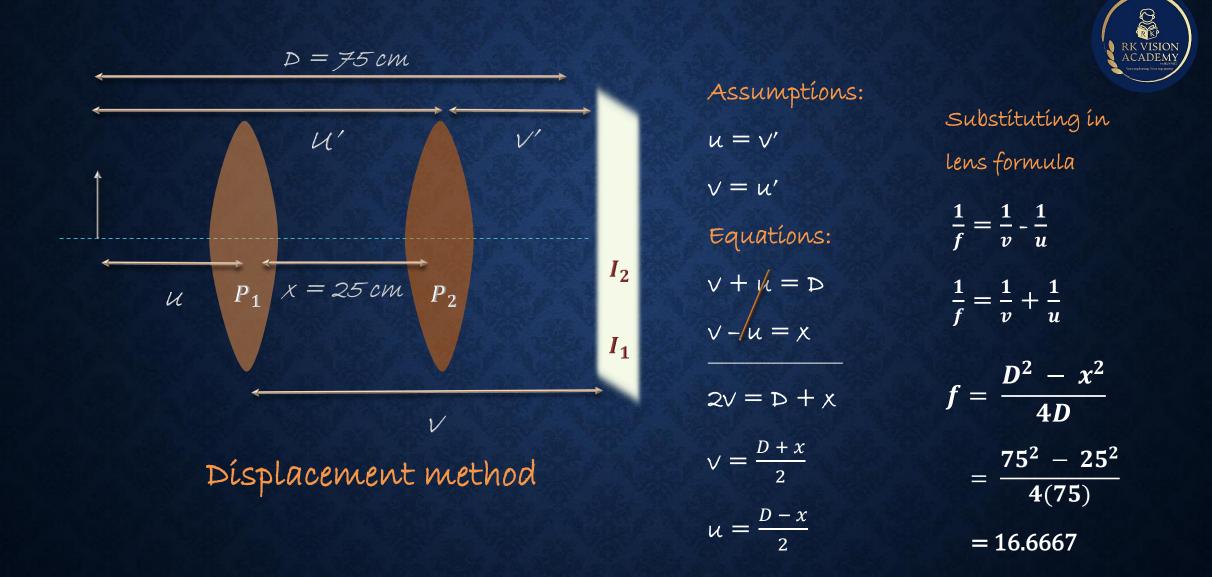
A convex lens when placed in the first position forms a real image of an object on a fixed screen. The distance between the object and the screen is 75 cm. On displacing the lens from first position by 25 cm to the second position, again a real image is formed on the screen. Then the focal length of the lens is

(a) 25.0 cm
(b) 16.7 cm
(c) 50.3 cm
(d) 33.3 cm









A convex lens of power 4D is kept in contact with a concave lens of power 3D, the effective power of combination will be

a) 7D
b) 4D/3
c) 1D
d) 3D/4



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