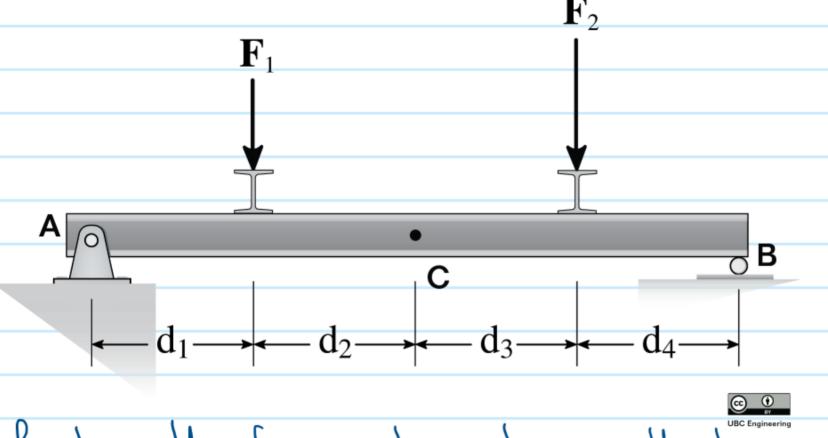
21-5-4-8-60-001



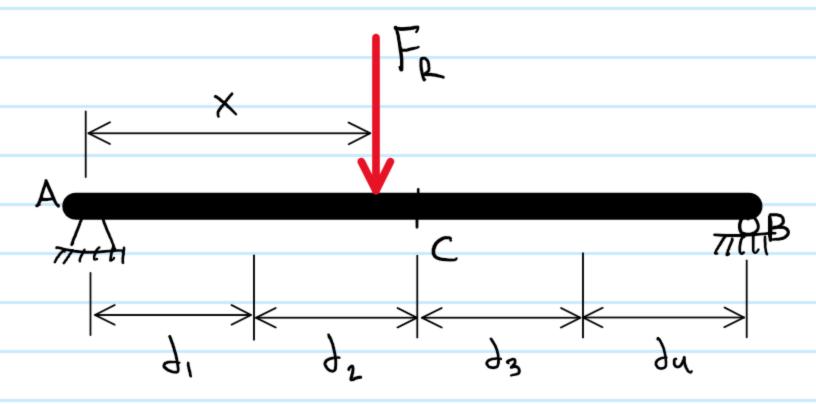
Replace the force system acting on the beam by an equivalent resultant force and Find the distance x its line of action intersects the beam from point A.

(F,=F,N,Fz=F2N,d==g,n,dz=dzn,d3=g3n,andd==gun)

Find Fr. V

Force Summation

(FR)y = 2Fy: FRy = -F, -Fz FR = [FRy]



Moment Summation

$$x = \frac{F_1(\partial_1) + F_2(\partial_1 + \partial_2 + \partial_3)}{F_R}$$