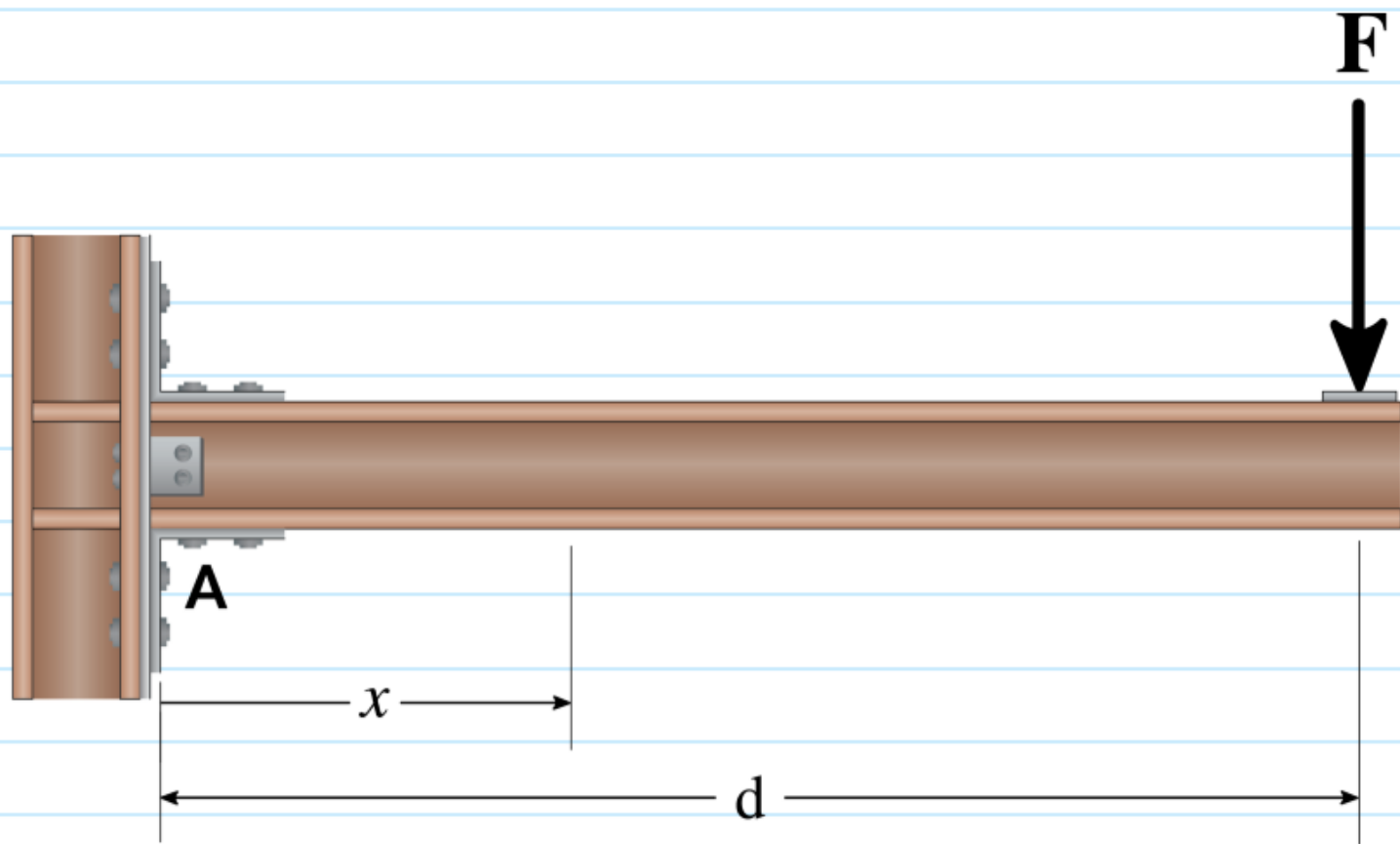


21-5-4-7-GD-001

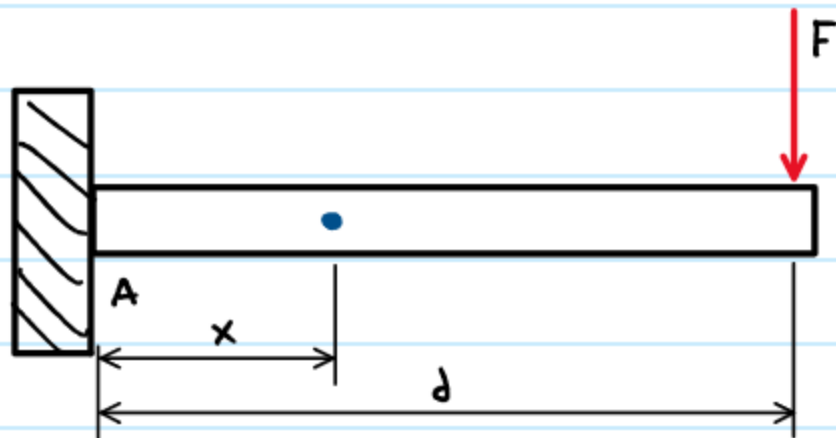


Replace the $F = F_N$ force by an equivalent resultant force and couple moment at a point $x = \underline{x}$ m from A. Determine their magnitudes and directions.

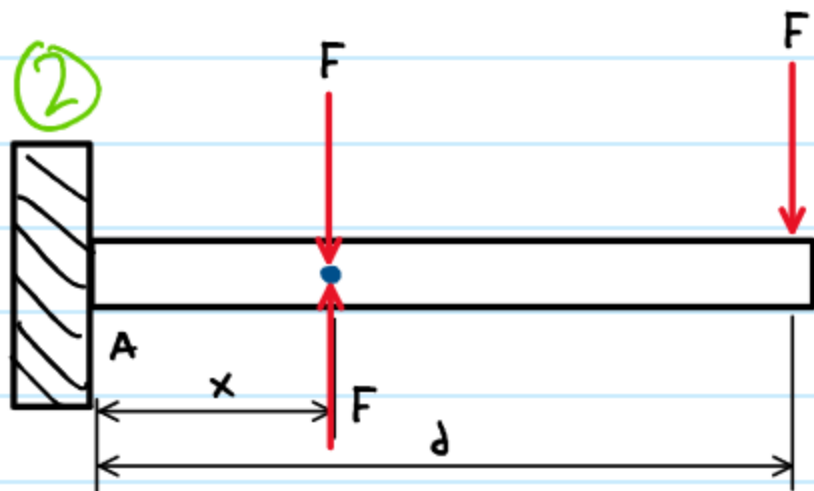
(Assume $d = \underline{d}$ m)

given F_x, x, d
find M_x, F

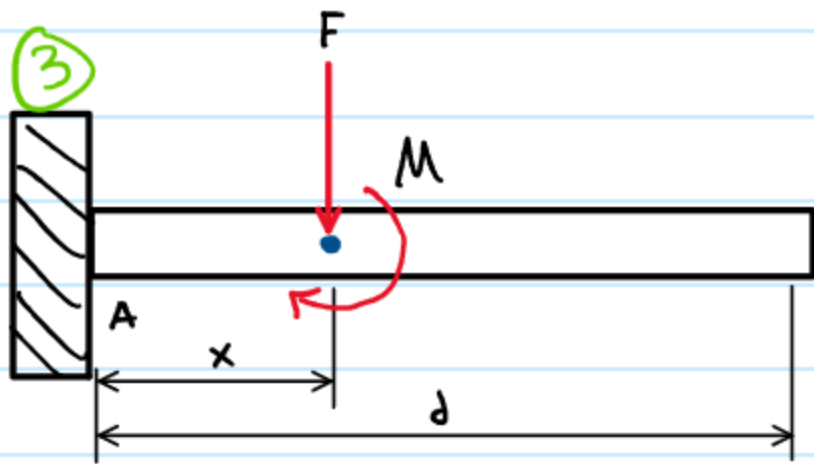
①



②



③



$F_x = F \text{ N, down}$

$M_x = F(d-x), \text{ CW}$