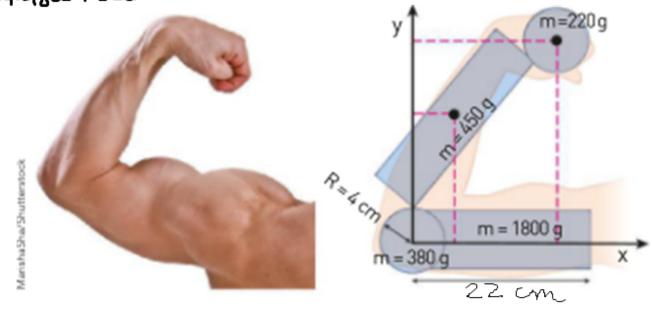
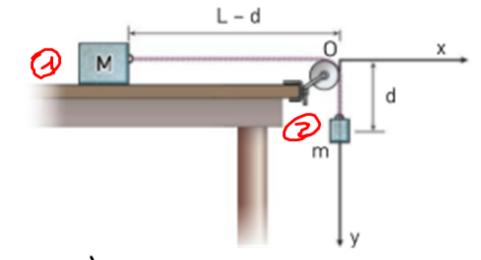
PAG. 520 N 65

XCM = 0.380+5.450+11.1800+18.220 cm = 9,1 cm



$$y_{c_{M}} = \frac{0.380 + 0.1800 + 16450 + 25.720}{380 + 1800 + 450 + 720} \text{ cm} \cong 4,5 \text{ cm}$$



$$\times_{CK} = \frac{M(d-L) + m \cdot 0}{M + m} = \frac{6,0(\alpha - 3,0m)}{9,0} = \frac{8}{3}d - 2,0m$$

$$C_{H} = \left(\frac{2}{3}d - 2,0m, \frac{1}{3}d\right)$$

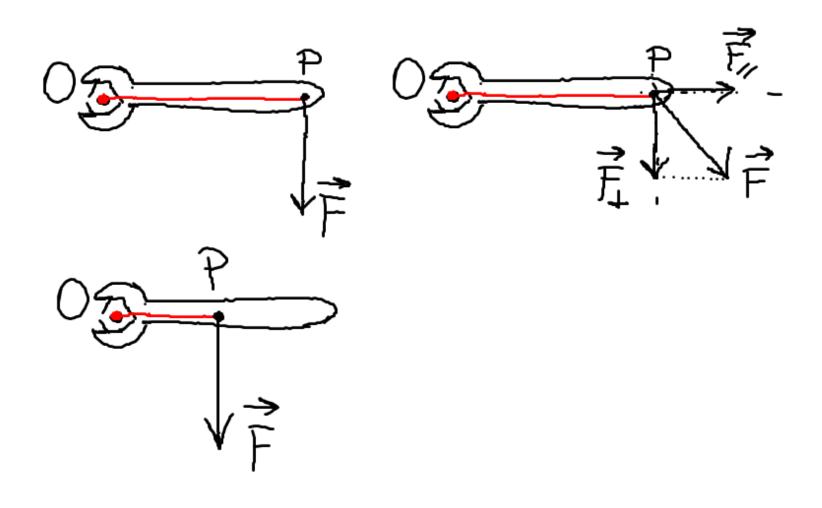
$$A = \left(0,1,0m\right)$$

$$\frac{2}{3}d-2,0m=0 \quad E \quad \frac{1}{3}d=1,0m \quad \overline{E} \quad POSSIBILE?$$

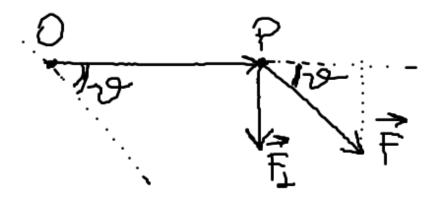
$$d=3,0m \quad d=3,0m$$

$$Valiable => 5$$

## MOMENTO DI UNA FORZA



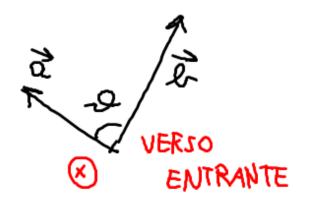
F = VETTORE APPLICATO ANGOLO FRA I 3 1 MOMENTO DI F (APPLICATO NP) RISPETTO A M = OP' F = = OP. Sinzo. F M= OP. F. sind



M=OP. F. Sind MODULO DEL MOYENTO

## PRODOTTO VETTORIALE ~> DA UN VETTORE COME RISULTATO

VERSO



$$\vec{a} \times \vec{k}$$

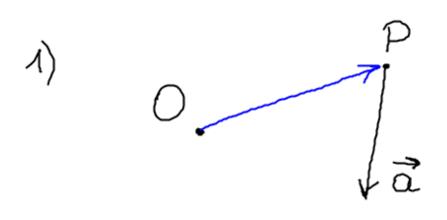
12×6/= absing ARFA DEL PARALIFLOGRAMMA FORMATO DA ã E B IM2 = OP x F2 = OP F2

PER IL PRODOTTO VETTORIALE NOU VALE LA PR. COMMUTATIVA

$$\vec{a} \times \vec{k} = -(\vec{k} \times \vec{a})$$

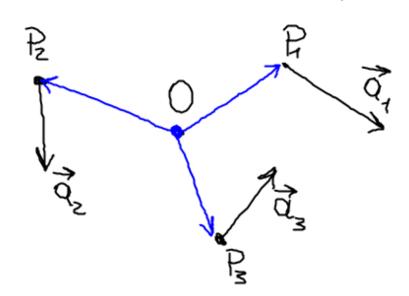
$$K \in WO SHARF$$
  $K(\vec{a} \times \vec{k}) = (K\vec{a}) \times \vec{k} = \vec{a} \times (K\vec{k})$ 

## MOMENTO DI UN VETTORE APPLICATO



$$\vec{M} = \vec{OP} \times \vec{a}$$

## 2) SE HO PIÙ VETTORI



$$\vec{M}_{TDT} = \vec{OP}_1 \times \vec{a}_1 + \vec{OP}_2 \times \vec{a}_2 + \vec{OP}_3 \times \vec{a}_3$$