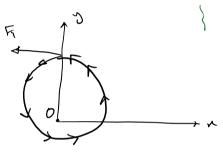
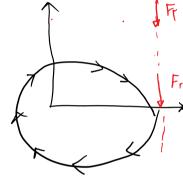


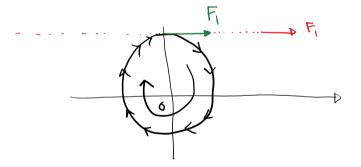
Mg=F3. d3 = 10x0 = 0

M & = F2 d & = 0

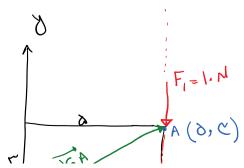




 $\frac{1}{M} = M_1 + M_7 + M_5 + M_5$ = +7. -78 + 0 + 0 = +8



المنادرسر دحول معررت بوادر حمل نعف ورای به کس



$$\overrightarrow{F_1} = -10\overline{3}$$

$$\overrightarrow{F_0} A = (\Delta - 0)z + (\Upsilon - 0)\overline{J} = \delta z + \Upsilon \overline{J}$$

$$A(0,C)$$
 $A(0,C)$
 $A(0,C)$
 $A(0,C)$

$$M = F_X \Delta = I_0 \times \Delta = \partial.$$

$$A(0, C)$$

$$A(0, C)$$

$$A(0, C)$$

$$A(0, C)$$

$$A(0, C)$$

$$A(0, C)$$

$$M_{\circ} = F_{X} \Delta = \log_{X} \delta = \delta.$$

$$F_{i}=1.$$
 M

$$A(\delta, C)$$

$$A(\delta, C)$$

$$A(\delta, C)$$

$$A(\delta, C)$$

$$\overrightarrow{V}_{0}A = (\Delta - \delta)z + (\Gamma - \delta)\overrightarrow{J} = \delta z + \Gamma \overrightarrow{J}$$

$$\overrightarrow{M}_{0} = \overrightarrow{V} \times \overrightarrow{F} = (\delta i + \Gamma \overrightarrow{J}) \times (-1 \delta \overrightarrow{J})$$

$$= -\delta \cdot K + (-\tau \cdot \nabla \delta)$$

$$= -\delta \cdot K$$

$$M = \gamma \times F$$

$$\overrightarrow{F}_{0} = -1 \cdot \overline{J}$$

$$\overrightarrow{V}_{0} = (\partial i) = \partial i$$

$$\overrightarrow{M} = \overrightarrow{V}_{0} \times \overrightarrow{F}_{1} = \partial i \times (-1 \cdot \overline{J}) = -\partial \cdot K$$

ixi=jxJ*KXK=0

1 5 K

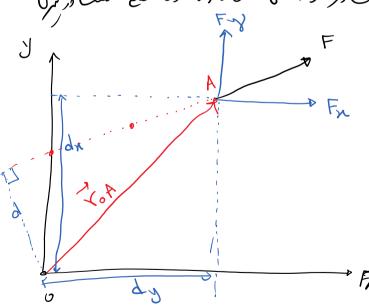
 $\int_{F_1=1.4}^{\infty} F_{r=1.8N}$ $F_{s=1.N}$

« معلی نیرده) العبررت بردار کرلیم.

سنده ما یک بردری تورها یا هوازی محورهای محتفی هستر معقل دارای رک مراندی این.

معنب وارسون

کستادر سے سِرْد حول میں نعقلے بازاست ، کست ور مؤلم مای کا و سِرْن حول نعلے کست ور فرل

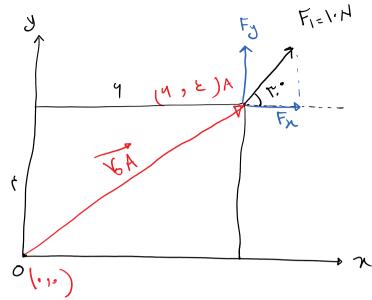


$$M = Y_{0}A \times F$$

$$M = Y_{0}A \times (F_{X} + F_{Y})$$

$$= Y_{0}A \times F_{X} + Y_{0}A \times F_{Y}$$

در تعلی ری کستار رسیردی ۲ حول نعنک ۱٫۵ می کسیر



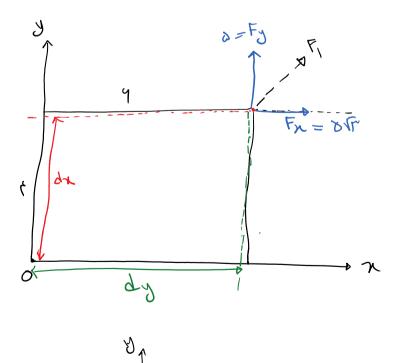
$$F_{i} = F_{i} \cos 7.2 + F_{i} \sin 2.3$$

$$F_{i} = 1. \times \sqrt{r} i + 1. \times \sqrt{r} j$$

$$= 8\sqrt{r} i + 8j$$

$$F_{o} A = (4i) + 2j = 4i + 2j$$

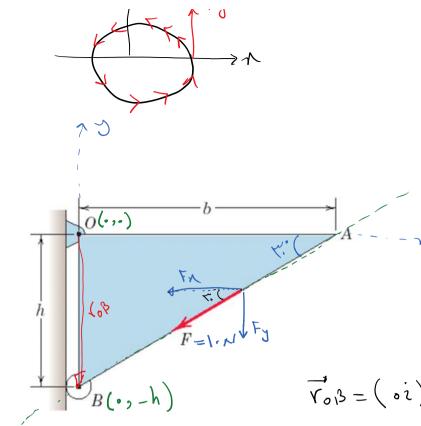
$$\overline{N_0 = V_0 A} \times \overline{F} = (4i + 2j) \times (3\sqrt{5}i + 3j) = 7.\sqrt{5} \times (5\sqrt{5}i + 5) \times (5\sqrt$$



$$M_{x} = F_{x}. d_{x} = \delta f_{x} \chi$$

$$= \gamma_{x} f_{y} - \chi \chi d_{y} = \chi_{x} f_{y} - \chi \chi d_{y} = \chi_{x} f_{y} + \chi_{x} f_{y} - \chi_{x} f_{y} + \chi_{x} f_{y} = \chi_{x} f_{y} + \chi_{x} f_{y} + \chi_{x} f_{y} + \chi_{y} f_$$

= (7.7.57) K



 $F = F_N + F_{y}$ $= -F_X \omega_3 \Gamma_2 - F_1 \sin \Gamma_2 \frac{1}{3}$ $= -10 \times \sqrt{F_2} - 10 \times \sqrt{F_3}$ $= -8 \sqrt{F_2} - 83$

$$\underline{\zeta}_{N} = \zeta_{N} = \zeta_{N} = - \gamma_{N} = - \gamma_{N}$$

$$\vec{N}_{o} = \vec{V}_{o} A \times \vec{F} = (-h_{\bar{o}}) \times (-\delta \vec{v}_{i} - \delta \vec{J}) = (-\delta \vec{v}_{h} \times \vec{J})$$

