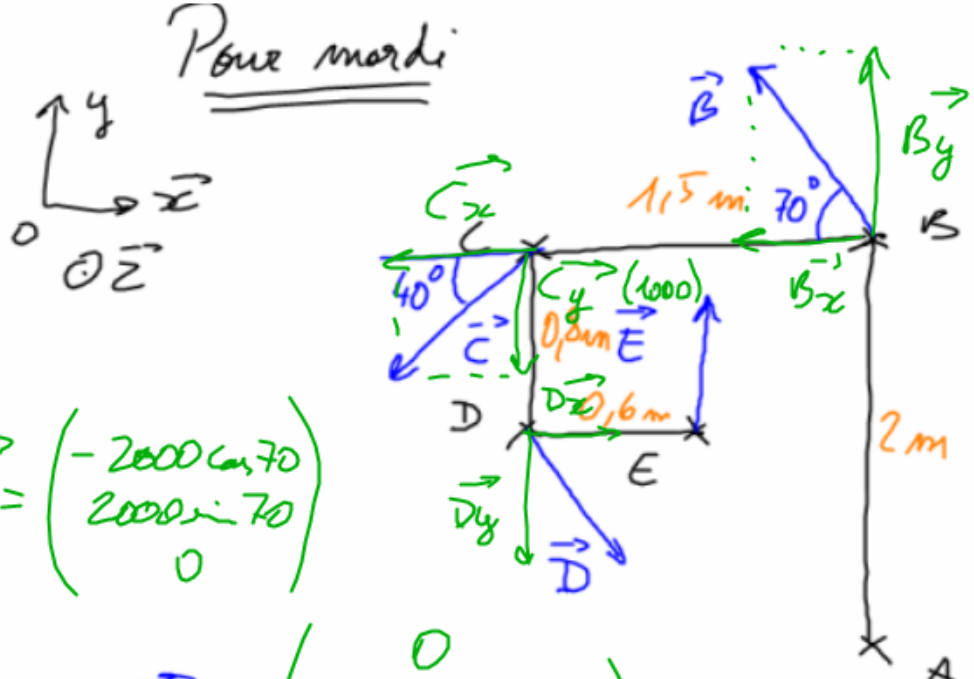
Pour mardi



$\|\vec{B}\| = 2000\,N \qquad \|\vec{E}\| = 1500\,N$

$$\vec{C} = \begin{pmatrix} -\frac{1000\cos 40}{\sin 40} \\ -1000 \\ 0 \end{pmatrix} \quad \left(\frac{-1000}{\tan 40}\right) \qquad \|\vec{C}\| = \frac{1000}{\sin 40}$$

$$\vec{B} = \begin{pmatrix} -2000\cos 70 \\ 2000\sin 70 \\ 0 \end{pmatrix}$$

$$\vec{D} = \begin{pmatrix} 800 \\ -900 \\ 0 \end{pmatrix} \qquad \|\vec{D}\| =$$

$\tan\alpha = \frac{\sin\alpha}{\cos\alpha}$

$$\mathcal{M}_A\vec{B} = \begin{pmatrix} 0 \\ 0 \\ 2000\cos 70 \cdot 2 \end{pmatrix}$$

$$\mathcal{M}_A\vec{D} = \begin{pmatrix} 0 \\ 0 \\ -1,2 \cdot 800 + 1,5 \cdot 900 \end{pmatrix}$$

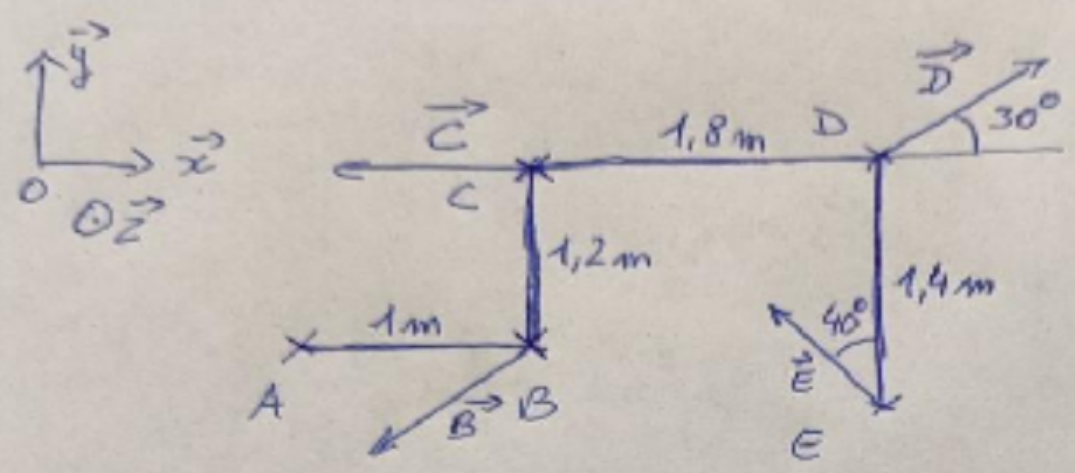
$$\mathcal{M}_A\vec{C} = \begin{pmatrix} 0 \\ 0 \\ 2 \cdot \frac{1000}{\tan 40} + 1000 \cdot 1,5 \end{pmatrix}$$

$$\mathcal{M}_A\vec{E} = \begin{pmatrix} 0 \\ 0 \\ -0,8 \cdot 1500 \end{pmatrix}$$

$\|\mathcal{M}_A\vec{B}\| =$ 1360 N.m

$\|\mathcal{M}_A\vec{C}\| = 3880\,N.m$

$\|\mathcal{M}_A\vec{D}\| = 390\,N.m$



$\|\vec{B}\| =$

$\vec{B} = \begin{pmatrix} -2000 \\ -1500 \\ 0 \end{pmatrix}$

$\vec{M_A B} = ($

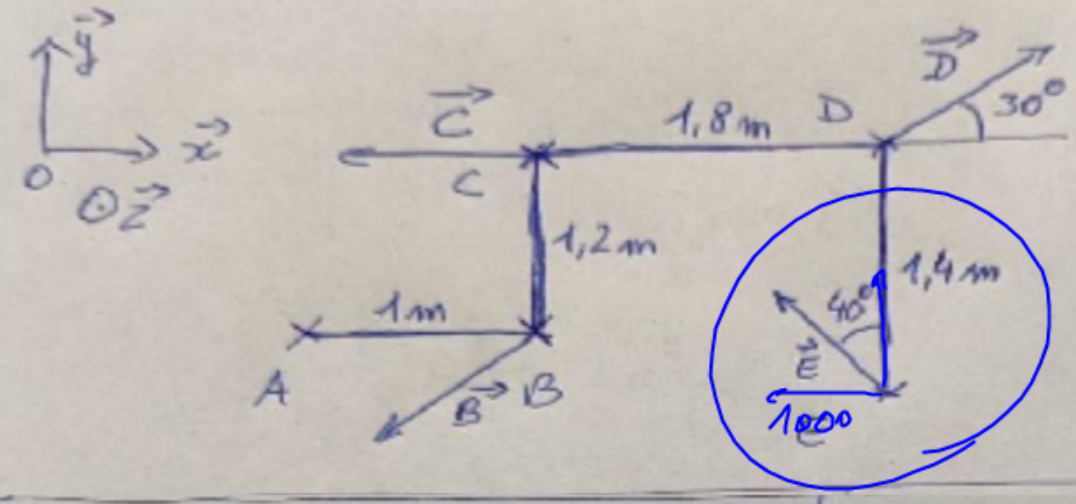
$\|\vec{M_A B}\| =$

$\|\vec{C}\| = 3000\ N$

$\vec{C} = ($

$\vec{M_A C} = ($

$\|\vec{M_A C}\| =$



$\|\vec{D}\| = 2500\ N$

$\vec{D} = \begin{pmatrix} \\ \\ \end{pmatrix}$

$\overrightarrow{\mathcal{M}_A D} = \begin{pmatrix} \\ \\ \end{pmatrix}$

$\|\overrightarrow{\mathcal{M}_A D}\| =$

$\|\vec{E}\| = \dfrac{1000}{\sin 40} \simeq$

$\vec{E} = \begin{pmatrix} -1000 \\ \dfrac{1000}{\sin 40}\cdot\cos 40 \\ 0 \end{pmatrix} = \begin{pmatrix} -1000 \\ \dfrac{1000}{\tan 40} \\ 0 \end{pmatrix}$

$\overrightarrow{\mathcal{M}_A E} = \begin{pmatrix} 0 \\ 0 \\ -1000 \cdot 0{,}7 + \dfrac{1000}{\tan 40} \cdot 2{,}8 \end{pmatrix}$

$\|\overrightarrow{\mathcal{M}_A E}\| =$