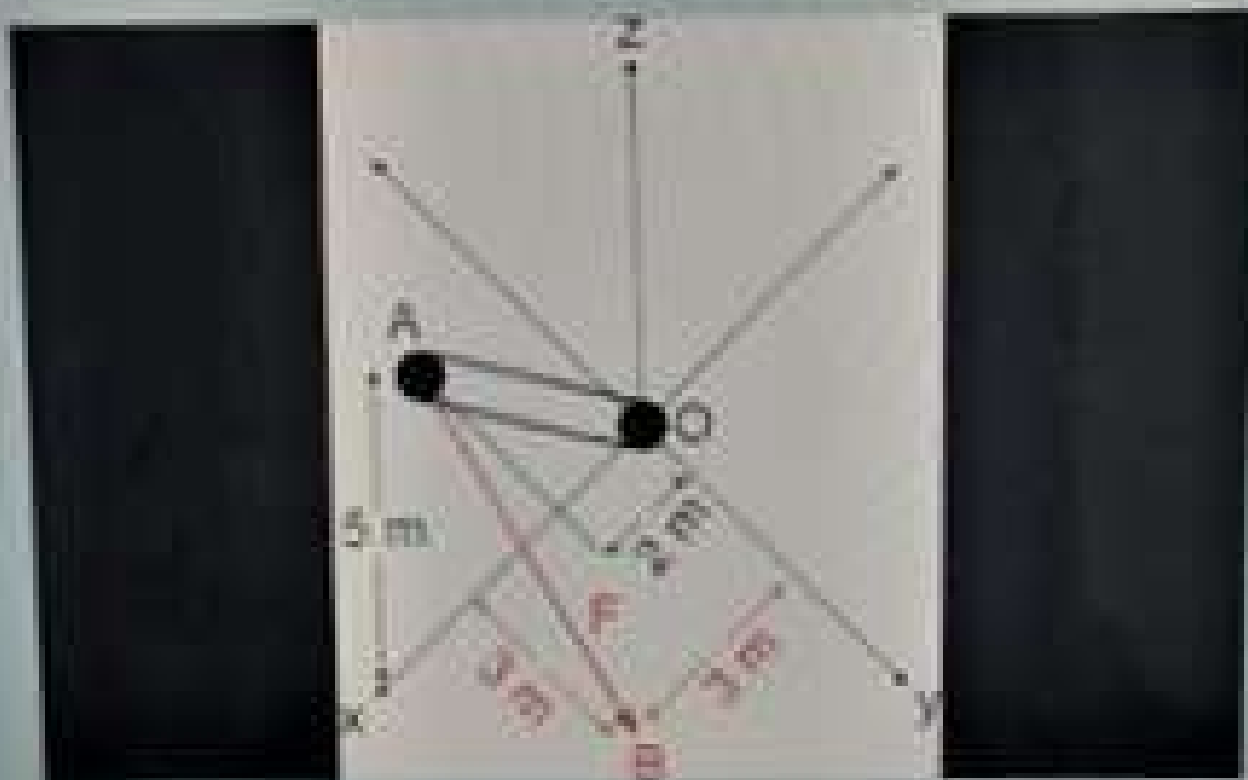
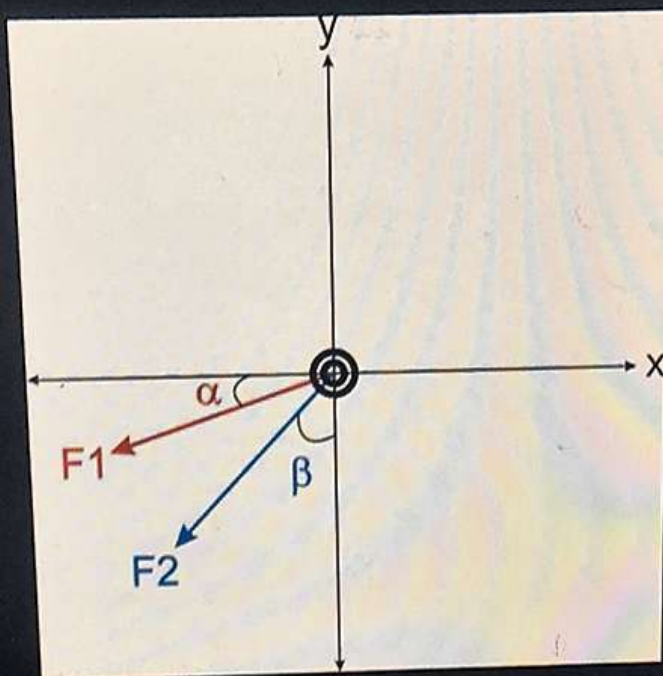


Determine the moment produced by the force F (10 kN) about point O . Express the result as a Cartesian vector. Your answer should look like this:
 $M = (\underline{\quad})i + (\underline{\quad})j + (\underline{\quad})k$ kN.m



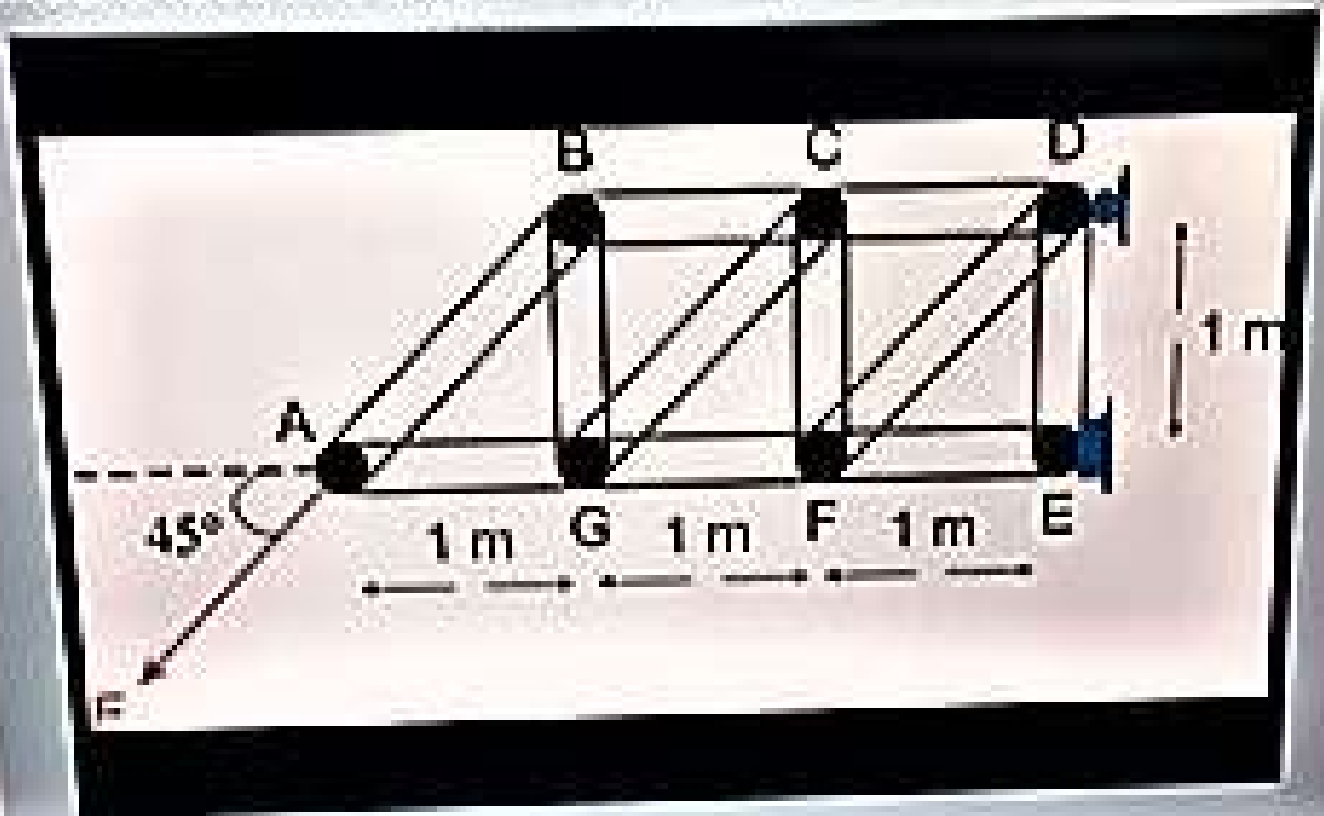
Answer

The link at the origin is subjected to two forces F_1 and F_2 . If $F_1 = 90\text{ N}$, $F_2 = 80\text{ N}$, $\alpha = 20^\circ$ and $\beta = 35^\circ$. Determine the magnitude of the resultant force.



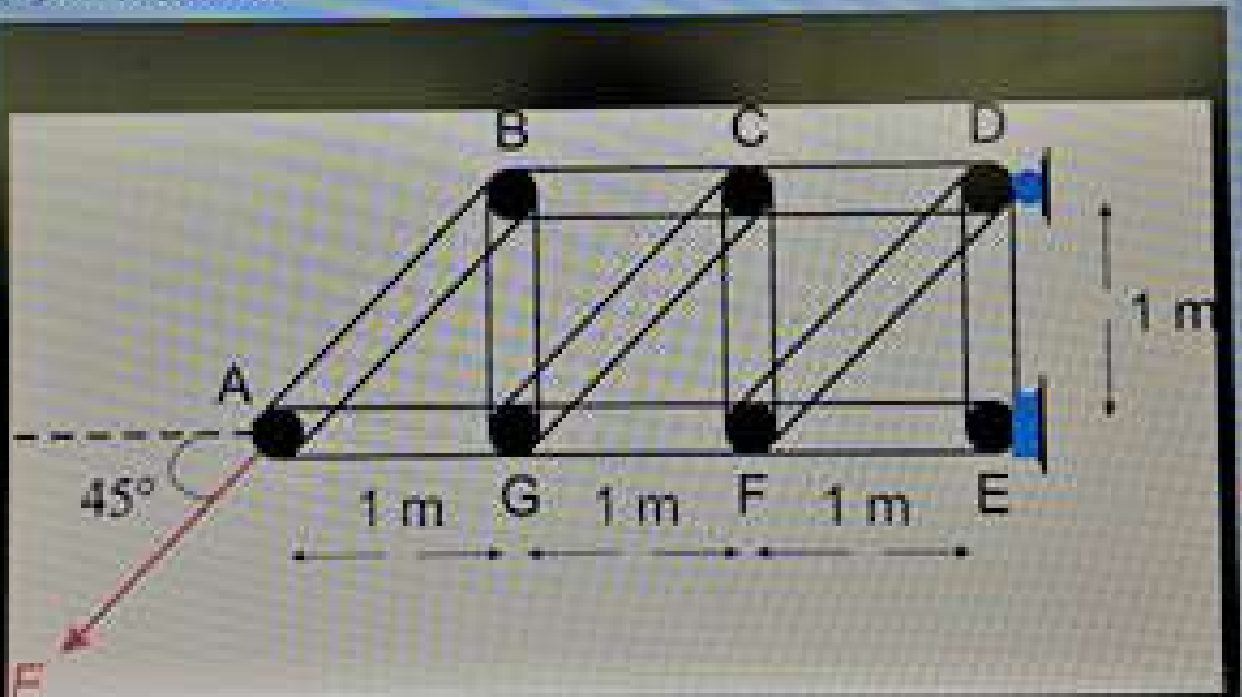
Answer:

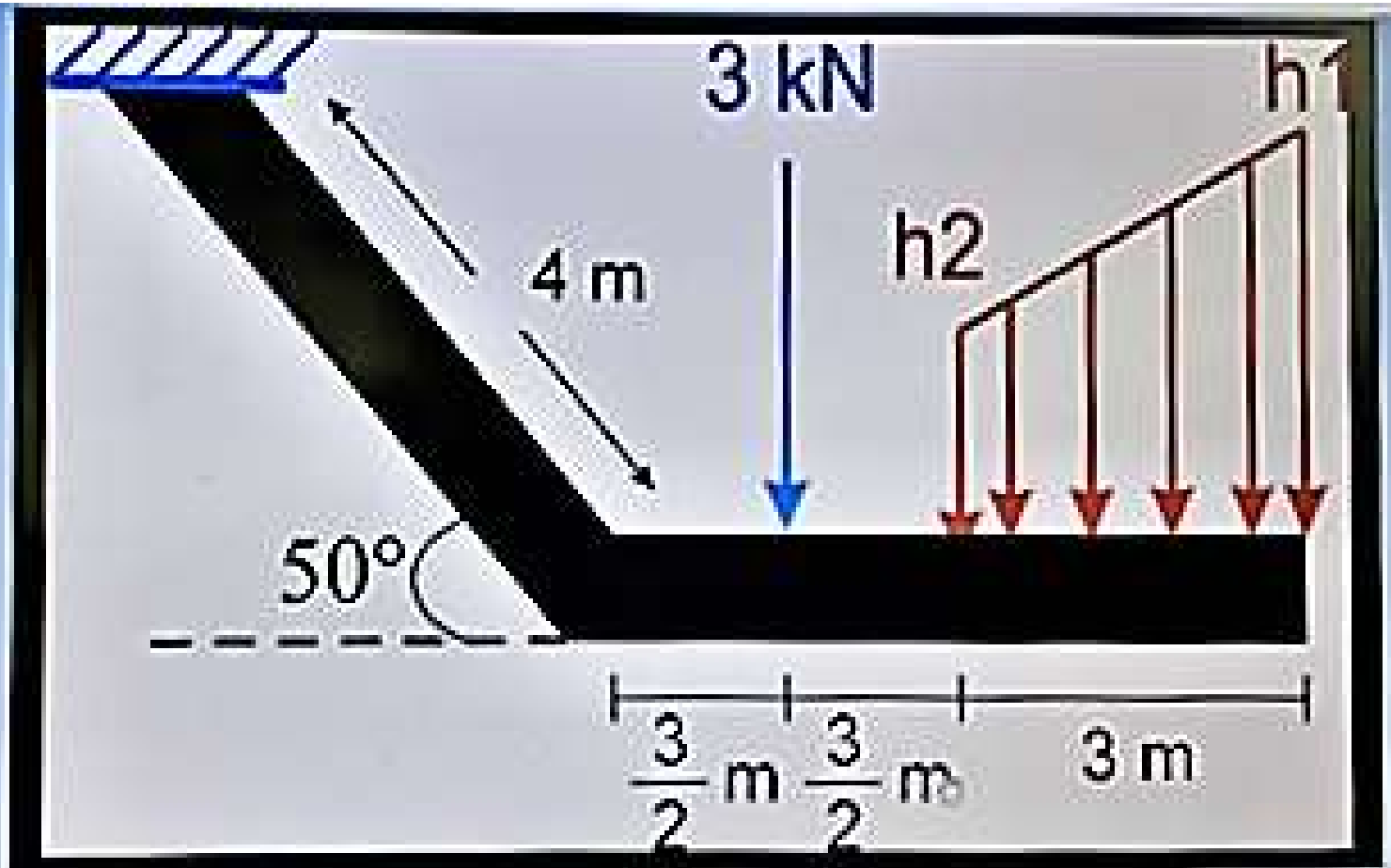
In the truss shown, determine the force in member GF. Moreover, indicate whether the member is in tension or compression. Note that $F = 20 \text{ kN}$. Your answer should look like this: $F = \dots$, compression or tension.



Question 2
Not yet answered
answered out of 1.00
Flag question

In the truss shown, determine the force in member GF. Moreover, indicate whether the member is in tension or compression. Note that $F = 20$ kN. Your answer should look like this: $F = \text{---}$ compression or tension.





Determine the components of the reactions at the fixed support (A). Note that $h_1 = 10 \text{ kN/m}$ and $h_2 = 5 \text{ kN/m}$. Your answer should look like this:

$(A)_x =$, $(A)_y =$, $M(A) =$