## Problem 1:

In the following Bowstring Truss, find the force in member CF.



Solution:

We draw the FBD and find the support reactions which are shown below (try to find the forces by yourself):



 $\mathbf{F}_{\mathrm{CF}} = \mathbf{0.589 \, \mathrm{kN}(\mathrm{C})}$ 

Problem 2:

In the following truss, find the force in member EB.



Solution:

Notice that no single cut will provide the answer. Hence, we consider section a-a and b-b.





