

Homework Problem H6.B

Given: Cables BC and AD carry tensions of T , and $2T$, respectively.

Find: For this problem:

- Determine the moment about point O due to the force of cable CB on the boom.
- Determine the moment about point O due to the force of cable DA on the boom.

Use $\theta = 70^\circ$ and $\phi = 30^\circ$. Express your answers as vectors in terms of T and d .

