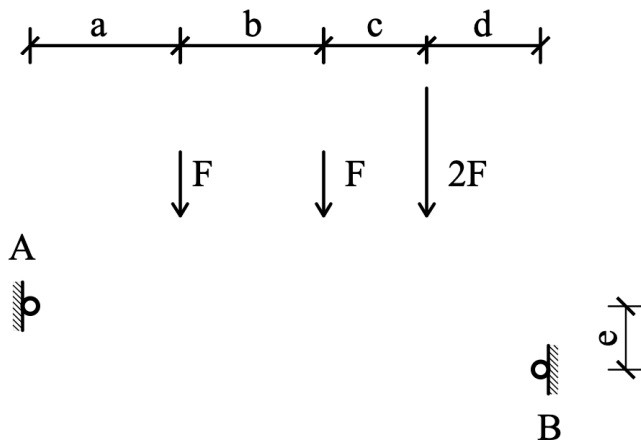


5. Construct the shape of the cable that can equilibrate the given loads between the given supports, if the largest sag is $5e$! In this case, the sag is the vertical distance between the line connecting the supports and the lowest point of the cable. Scan your construction and submit it in Moodle! (20 points)



Help:

You can use the conclusions of the blackboard exercises. First allow point B to have arbitrary vertical position and find a shape. Then modify the shape to have a maximal sag of size $5e$.

Data:

| a [m] | b [m] | c [m] | d [m] | e [m] |
|---------|---------|---------|---------|---------|
| | | | | |