

# AEROSPACE STRUCTURES

MARCO MORANDINI

B12

2nd floor

PROF. CAPODALLE

B74

[ 6 exercises 3 points each.  
6 multiple choice 1 point each.  
2 open questions 6 points  
intotal ]

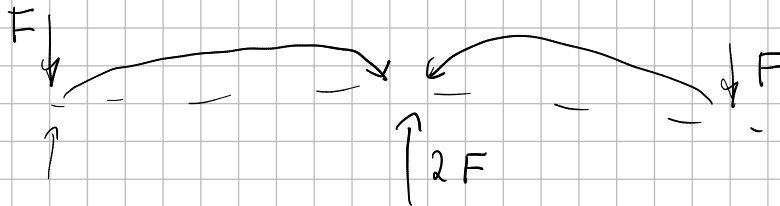
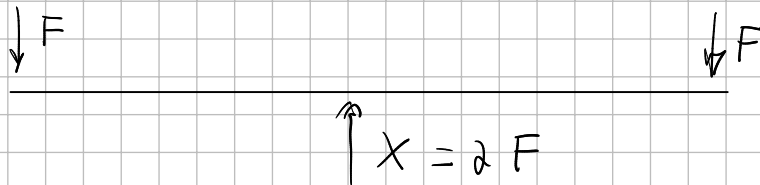
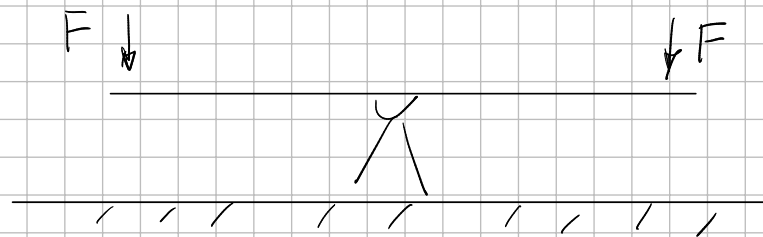
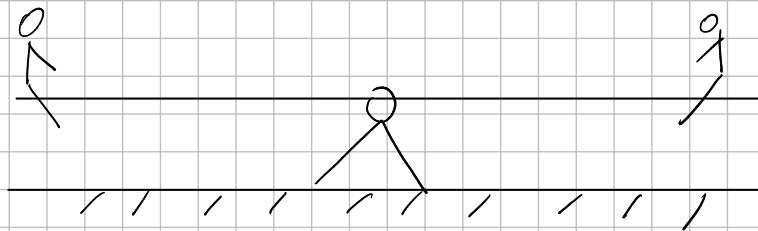
2 h  
30 minutes

if grade  $\geq 24$

3 points

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# STRUCTURES & STRESS TENSOR.

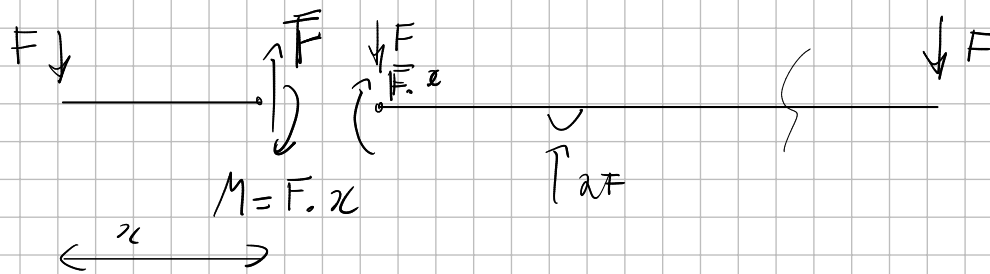


0

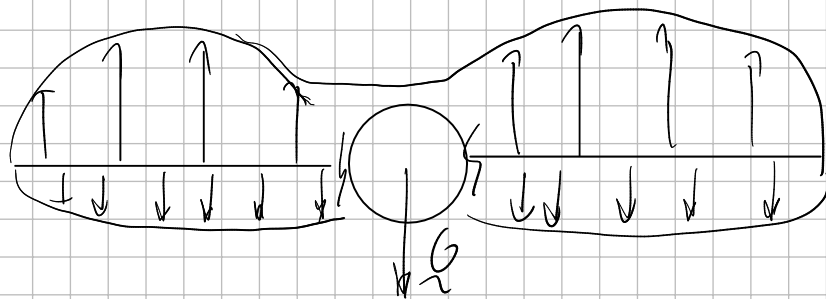
$$\sum_{i=1}^3 \underline{F_i} = \underline{0}$$

$$\sum_{i=1}^3 (P_i - 0) \times \underline{F_i} = \underline{0}$$

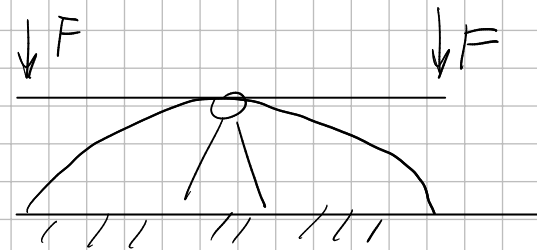
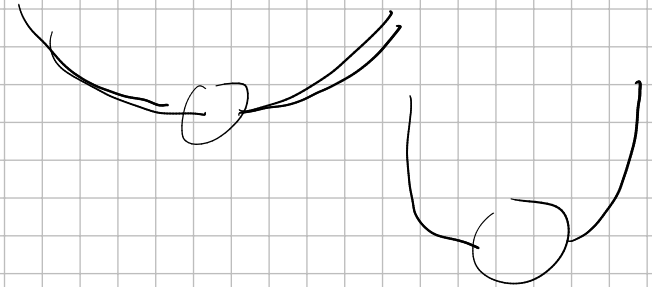
STATICALLY DETERMINED



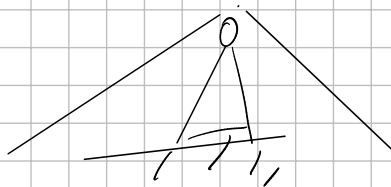
EQUILIBRIUM

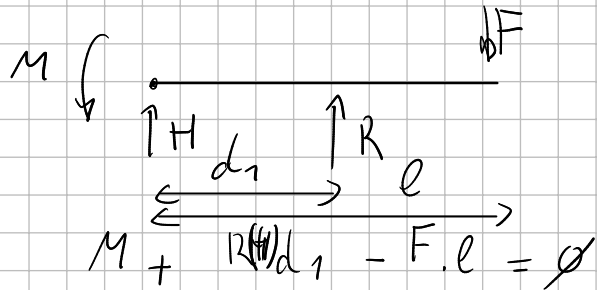
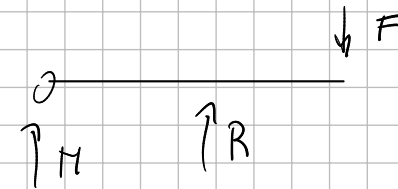
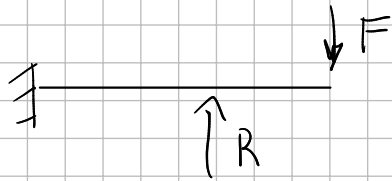
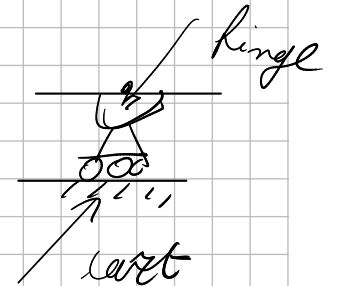
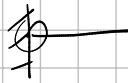
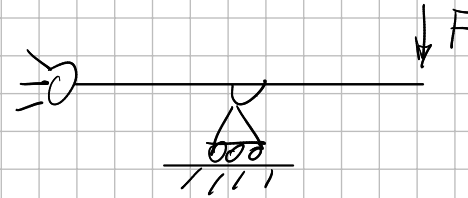
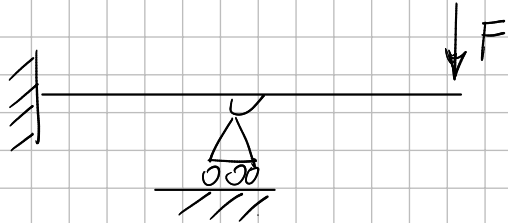


STIFFNESS  
REQUIREMENT



STRENGTH  
REQUIREMENT





$\sum F_y = 0$

$$H + R - F = 0$$

