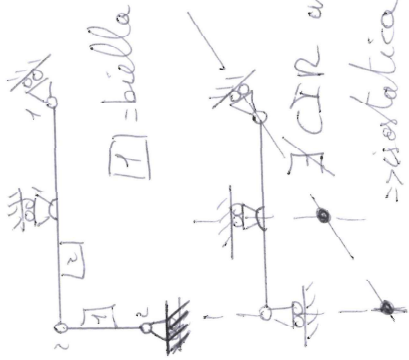
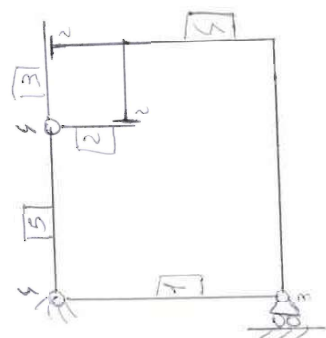


Esercizio 3

①  $g_{dl} = 6$   
 $g_{dv} = 6$

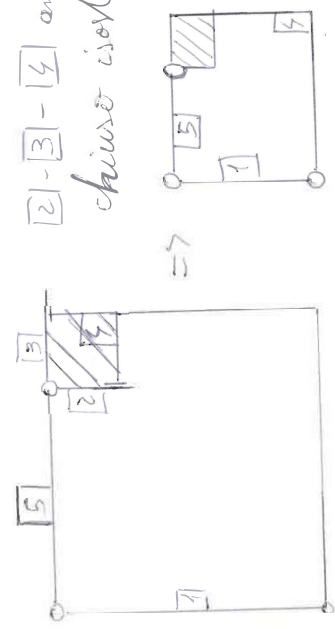


②  $g_{dl} = 15$   
 $g_{dv} = 15$



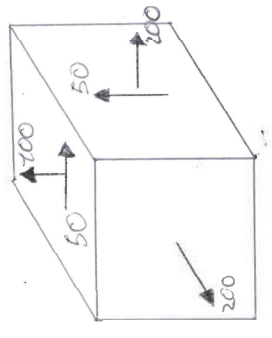
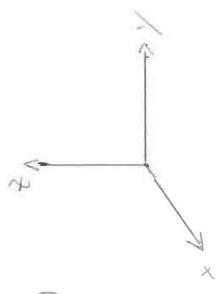
3 gdr a terra  
 crave carriera-carrello  
 => vincoli a terra ben posti

②-③-④ anello chiuso isostatico



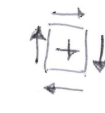
①-⑤-④ anello chiuso isostatico  
 => isostatica

Esercizio 1

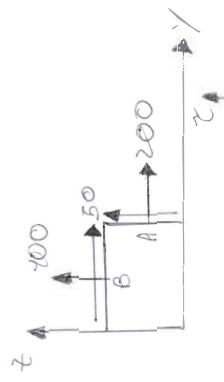


②  $\sigma = 200 \text{ MPa} = \sigma_{yy}$

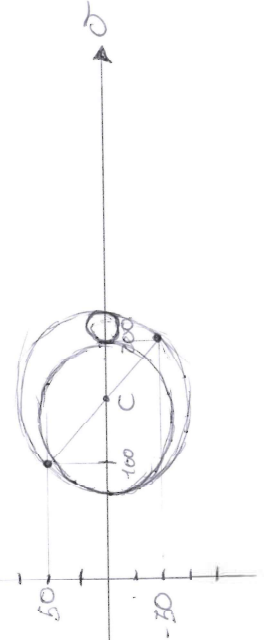
$\tau = 50 \text{ MPa} = \tau_{yz}$



A (200, -50)  
 B (100, 50)



$C = \frac{\sigma_A + \sigma_B}{2} = 150 \text{ MPa}$   
 $R = \sqrt{\frac{\sigma_A^2 + \sigma_B^2}{2} - C^2} = 70,71 \text{ MPa}$   
 $\sigma_I = C + R = 220,71 \text{ MPa}$   
 $\sigma_{II} = 200 \text{ MPa} (= \sigma_{xx})$   
 $\sigma_{III} = C - R = 79,29 \text{ MPa}$



③  $\tau_{MAX} = R = 70,71 \text{ MPa}$

Esercizio 2

