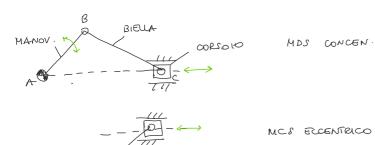
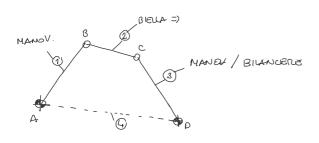
Esercizio: protesi di ginocchio

venerdì 15 novembre 2024 11:33

MANOVELLISMO DI SPINTA



QUADRILATERS ARTICULATO

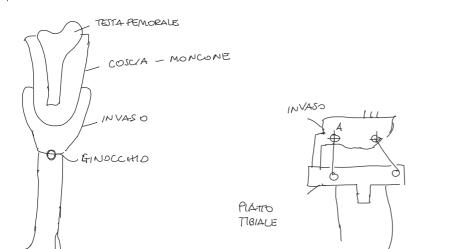


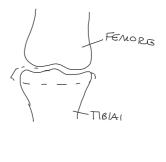
MANOVELLA: MOTO ROTAT, CONTINUO

BIELLA: MOTO ROTOTRASUATORIO

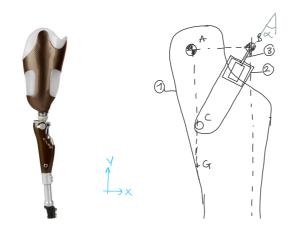
BILANCIFRES: MOTO ROT. ALTERNO

PROTESI TRANSFEMORALL DI GINOCCHIO





PROTESI ATTIVA - OTTOBOCK - CLEG

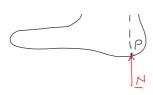


Noto: massa (1) = M = 3,5 kg (2) +(3) ATTUATORE IDRAULCO A,C e.G. sono allineati (2) Ep. STATI CO affidato all'attratore AB = 25 mm AC = 120 mm

Richiesto:

1) FASE DI VOLO = > mg

=) FATT, RA



ngde =

) 44v: $3 \times 3 - 8 \times 2 - 1 \times 2 = 19$ de

CERN. 69.9RU II

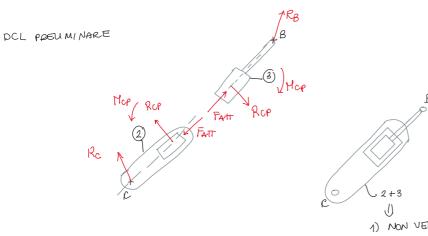
- 2) FASE DIAPPOGGIO: [M] = 700N (P, M) =) PSE < M N =) DCL DEFINITION
- 3) Ridurre mg & M al SEM
- 4) Cosa succede in un istoritos diverso della jose di volo

Mcp 8

AZIONE ATTIVA INCOG. =) FATT.

8 INC. REATTIVE J 9 INC. VS 9 EDNI + 1 INC. ATTIVA 3 CORPIX 3 ED

e) Z coepi scapichi

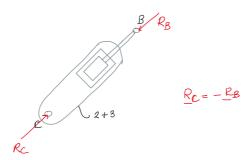


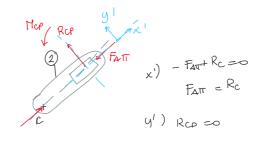
1) NON VEDO FAIT

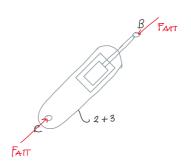
L) AZIONE ATTIVA ESTERNA

2) 2+3 COSTITUUCONO CORPO SCARICO!

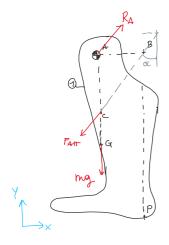
SOTIOSISTEMA SCARICO!





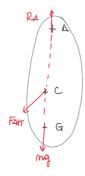


CASO mg



3 INCOGNITION 3ER NI +

S FORZE XC



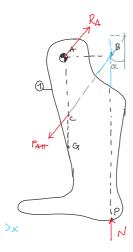
Rx 11 mg

ICD · χ: FATT = 0 N

Y: Ray=mg = RA = 34,3N

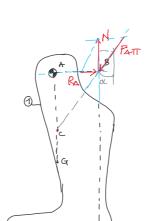
+ G

CA80 <u>N</u>



3 INC. : RAX, RAY, FATT - 350NL

3 FORZŪ X B

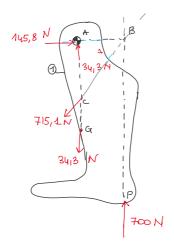


 $\alpha = a \tan \left(\frac{\overline{AC}}{\overline{AB}} \right) = 78,2^{\circ}$

 $X: \int R_A - F_{ATT} \sin \alpha = 0$ $Y: \int N - F_{ATT} \cos \alpha = 0$

 $\hat{F}_{ATT} = \frac{N}{\cos \alpha} = 715,1 \text{ N}$

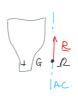
RA = Ntgal = 148,5 N



SEM =)
$$(G, MG)$$
, (T, N)

$$R = -MG : N \rightarrow N : = 665, 7 : N$$

$$MG = N \rightarrow R : = 17,5 \quad Nm : R$$



I MET)
$$\underline{M}_{\mathcal{Q}} = \underline{\mathcal{Q}} = \underline{M}_{\mathcal{G}} + \underline{\Omega}_{\mathcal{G}}^{\mathcal{G}} \wedge \underline{\mathcal{R}}$$

$$\underline{G}_{\mathcal{Q}} \wedge \underline{\mathcal{R}} = \underline{M}_{\mathcal{G}}$$

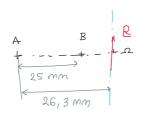
$$\underline{U} \quad \underline{U} \quad \underline{V} \quad \underline{K}$$

$$\underline{G}_{\mathcal{Q}_{\mathcal{X}}} \quad \underline{G}_{\mathcal{Q}_{\mathcal{Y}}} \wedge \underline{\mathcal{Q}} = \underline{I}_{\mathcal{T}_{\mathcal{G}}}^{\mathcal{G}} \wedge \underline{\mathcal{R}}$$

$$0 \quad 665, 70$$

$$\begin{vmatrix} \dot{c} & \dot{c} & \underline{K} \\ GP_{X} & GP_{Y} & 0 \\ 0 & 665,7 & 0 \end{vmatrix} = 17,5 \quad \underline{K}$$

$$GL_{X} = 26,3 \text{ mm}$$



IT MET)
$$\overrightarrow{GR} = \frac{R \wedge MG}{|R|^2}$$

