lpur hydraulique.

I: Premier étape : conception de l'artre primain et du pair à lamelle.

12 question:

Rido Mari de la Charge: 7500 N à majoir de 30%.

Monari = 7500 + 30% (7500) = 9750 = 60000 N. Ruissa = Cas (accordi à l'artre d'artie).

Ave in rundement de 1: Petris Richti: Ceco: = Co Los.

Believe du court moni sur l'earlie de sotie (ou minau de la faifi).

By There is a charge marix parte mari Rayon, ai d'insulant.

By Rose Bomari = Amarix R

(\$\phi = 5.7 \text{ min}).

By The Source of the second of the second

So Reflect as simultine spokel. $V_1 = \omega_5 \, R_5 = \omega_6 \, R_6 \quad (1) \quad J_1 = V_2 \quad V_3 = \omega_4 \, R_4 = \omega_6 \, R_6 \quad (2) \quad J_4 = V_4 \quad (2) \quad J_5 = V_4 \quad (2) \quad J_6 = V_6 \quad (2) \quad J_7 = V_6 \quad (2) \quad J_7 = V_7 \quad (2) \quad J_7 = V_7 \quad (2) \quad J_7 = V_7 \quad (3) \quad J_7 = V_7 \quad (4) \quad J$

(1) dono (2)
$$\omega_5 \frac{RT}{R_6} \times R_7 = \omega_6 R_8$$

$$= D \frac{\omega_8 \omega_6}{\omega_7 \rho_6} = \frac{\omega_8}{\omega_5} = \frac{R_5 \times R_9}{R_6 \times \Omega} = \frac{2_5 \times 2_7}{2_6 \times 2_5}$$

$$\omega_7/\omega_5 = \frac{2_5 \times 1_5}{3_5 \times 1_5} = 0.554$$

II y a consuct de l'énogie cinétique. I

Edal du carpe mari d'enhir.

E & ω, - Ef ωηρ = .

Sout 2: Politica effort from

THE KAR

Al : écrapement in resort.

No : provide à recorts.

Foi effort beron.

E: codicincides du resort &=40N/mm.

F= N. (to (). F= N. + A.

No: Nos de lasse en contact entre hamille externes

gy= 0,02.

Contact sur une couronne viscorlaire avec effet anish.

= 1320 mm.

FP_ = 1690N.

Question 3.

Section utile du fister :

F. daN

P: delline = be

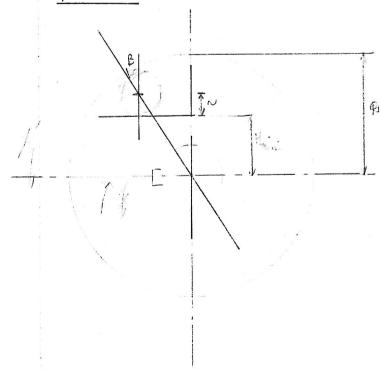
$$S_1 = \frac{F_{P_1}}{F_{P_2}} = \frac{ASI \text{ do N}}{20} = 9,6 \text{ cm}^2$$

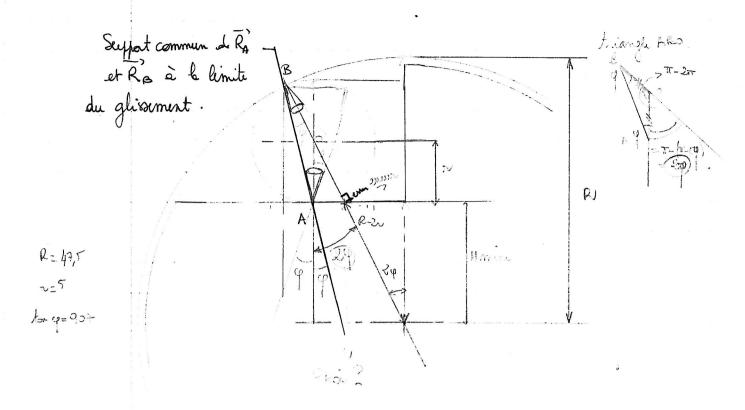
$$R = A_1 + \text{ cm}.$$

Epaison Cornell: 2mm. / 3mm.

Cercime éape: Encettion de l'orbre intermédiaire et de l'antidérieur

Gustier 1.





$$\varphi = 2,02 \text{ cad}$$

$$\varphi = 2,02 \text{ cad}$$

$$\varphi = -2,02 \text{ cad}$$

Come Question.

Rapport de résoluction entre corbe de votre de votre de metronodicie.

2: note doct.
$$\frac{\omega_{\text{sati}}}{\omega_{\text{I}}} = \frac{2s}{2s} = \frac{2s}{2s} = \frac{\epsilon}{70} = 0, 2143.$$

Earle tranomis for la race libre

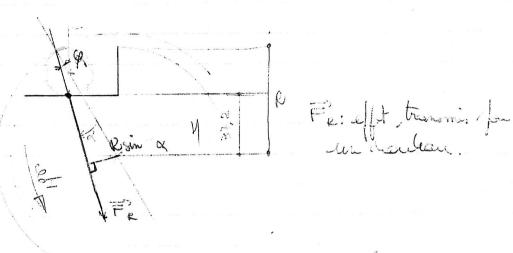
I : intermediane

S: mai

& ws = 6 to

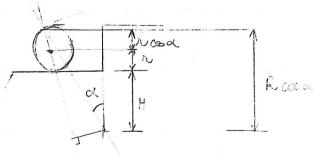
$$E_{\rm I} = E_{\rm S} \frac{\omega_{\rm S}}{\omega_{\rm I}} = E_{\rm S} \times 0,2145$$

= $2E_{\rm D} \times 0,2146$
 $E_{\rm I} = 586 \text{ N. m.}$



o or this de levier

BI = 8 F Rim a

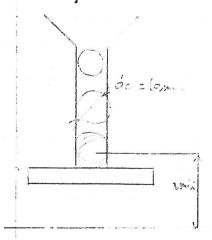


Rea = H+2 C2a = H+2

$$\cos \omega = \frac{9.1 + 5}{12.5 + 5} = 0.95.$$

Braisione et p.

1. question:



Mon de tou:

longuem du colle au tou it: $n_1 = 100 \text{ mm}$. $4 = 1 \overline{n} \gamma$.

de: phaced.

an tou 2: $N_2 = N_1 + d$. $l_2 = la N_2$ $l_2 = la(N_1 + d) = lan + land$

an tan 3: 18 = 17+2 = 4+2a Lo = 2013 Lo = 20 (4+2d) = 20 14 + 20 ax b.

D'ai an ton i : ni = ni - 1 + 2d (21 + (i-1)a + 2d)

li = 20 (24 + (i-1) d).

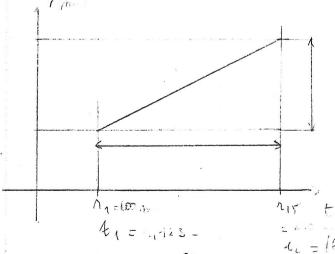
Bonqueur totale d'unademat: $L = l_1 + l_2 + ... + l_i$ $= \sum_{i=1}^{n} l_i = \sum_{i=1}^{n} 2\pi (r_1 + l_i - 1) \alpha_i$ $= 3\pi r_1 + 2\pi d \sum_{i=1}^{n} (i-1)$ $= 2\pi r_1 r_1 + 2\pi d \times \frac{r_2}{r_1} (n-1).$

 $L = 2\pi n r_3 + f \pi d \frac{r_3}{p} (n-1)$ $L = 46 \cos m m$ L = 46 m.

0,9 fr. 5

Question 2.

Viter de rotation de la beline: Wy.



$$V_c = \frac{\Delta V}{\Delta t} = \frac{842}{168} = 50, 43 \text{ mm. } 52.$$

$$= 0.05 \text{ m/s}^2$$

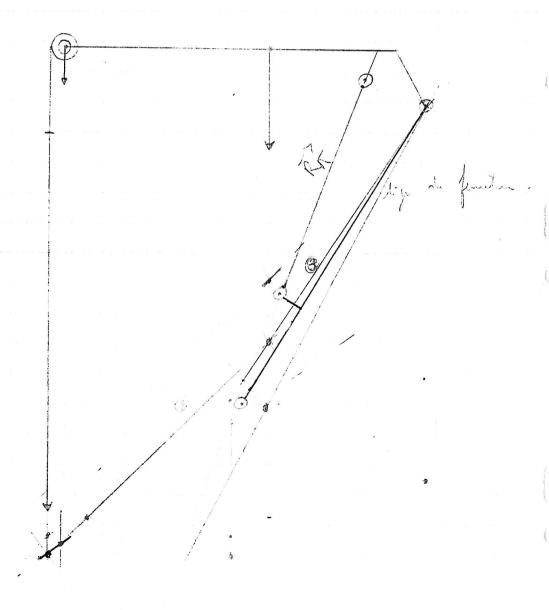
B'accélérate a. t. de m influenc un la pais:

$$\frac{\mathcal{C}}{\mathcal{C}} = \frac{905}{10} = 0.005, -> 0.5\%$$

La Accident de de house du à l'accidente:

IV quatriem étape: Conception de l'articulation [patique] / fliche

2000 - 20



RA = 70 000 N. Rs of GO SOON. Please = RB LXd