

CINEMATICA

POSIZIONE

TABELLA

(A-0)

$$y_A(t)$$
 G_{A-1}
 G_{A-2}
 G_{A-3}
 G_{A-1}
 G_{A-

$$y_{A\bar{j}} = x_{B\bar{i}} + L \left(G_{S}\bar{\beta}\bar{i} + S_{L}B_{\bar{j}}\right)$$

$$\bar{i} \begin{cases} 0 = x_{B} + LG_{S}B \\ \bar{j} \end{cases} \beta = Ar_{C}G_{S}\left(-\frac{x_{B}}{L}\right) = 2,31 \text{ rad}$$

$$\bar{i} \begin{cases} y_{A} = LS_{L}B \\ y_{A} = 2,95 \text{ rm} \end{cases}$$

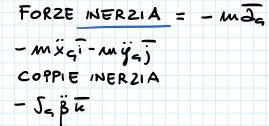
VELOCITA

ACCELERAZIONE

ACCELERAZIONE

$$\begin{cases}
0 = \frac{3}{8} - L \cos \beta \dot{\beta}^2 - L \sin \beta \ddot{\beta} \\
= \frac{3}{8} = \frac{6 \cos \beta \dot{\beta}^2}{5 \cos \beta} = 2.63 \frac{6 \cos \beta}{5^2}
\end{cases}$$

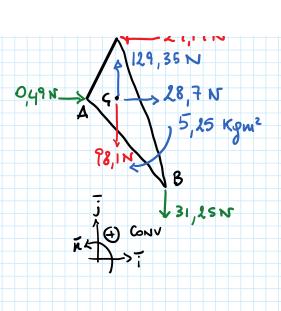
$$\begin{cases}
\ddot{y}_A = -15.6 \frac{6 \cos \beta}{5^2} \\
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\end{cases}$$



EQUILIBRI DINAMICI
$$R + \overline{F_{iN}} = 0$$
; $M_{G} + M_{i} = 0$
Lungo \overline{i} ($f_{C} + \varphi_{A} - m\ddot{x}_{G}$) \overline{i} $f_{C} + \varphi_{A} - m\ddot{x}_{G} = 0$
Lungo \overline{j} ($-mg + \varphi_{B} - m\ddot{y}_{G}$) \overline{j} $-mg + \varphi_{B} - m\ddot{y}_{G} = 0$
Attoris a G
($C - G$) $\Lambda f_{C} + (B - G)\overline{i}$ $\Lambda \varphi_{B}\overline{j} - J_{G}\ddot{p}\overline{n} = 0$
 $2\overline{j}$ $\Lambda f_{C}\overline{i} + \Lambda_{i}\overline{i}$ $\Lambda \varphi_{B}\overline{j} - J_{G}\ddot{p}\overline{n} = 0$
 $-2f_{C}$ \overline{i} $+ \Lambda_{i}\overline{i}$ $+ \varphi_{B}\overline{i}$ $- J_{G}\ddot{p}\overline{n} = 0$
 $-2f_{C} + \Lambda_{i}\overline{i}$ $+ \varphi_{B}$ $- J_{G}\ddot{p} = 0$

$$\begin{cases} \int_{C} + \phi_{A} - m\ddot{x}_{4} = 0 \\ -mg + \phi_{B} - m\ddot{y}_{4} = 0 \\ -2f_{C} + 17\phi_{B} - 5g\ddot{p} = 0 \end{cases}$$

$$\begin{cases} C_{4} - 29,19N \\ 129,35N \end{cases}$$



Ridisegno: vettosi tenendo conto dei segni.