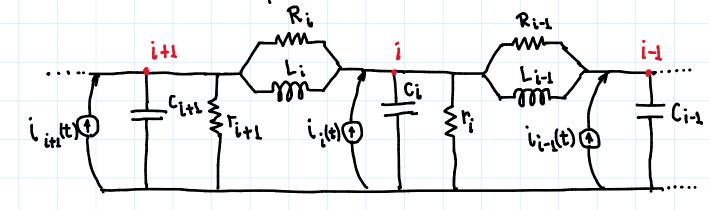


· Obs.: u; (t) = u; (t) - m; g. sen 8;

· O circuito elétrico equivalente:



· Pelo método prítico.

\*Nó i: 
$$V_{i}$$
 [C<sub>i</sub>D+1+1+1+1+1+1-]- $V_{i-1}$  [1+1-]-

 $V_{i}$  [R<sub>i</sub> R<sub>i-1</sub> L<sub>i</sub>D L<sub>i-1</sub>D] = i, [t)

 $V_{i+1}$  [1+1-] = i, [t)

· Voltando para o sistema mecânico, utilizando à analogio de tipo à:  $\dot{x}_i \left[ m_i D + b_i + d_i + d_{i-1} + \frac{k_i}{D} + \frac{k_{i-1}}{D} \right] - \dot{x}_{i-1} \left[ d_{i-1} + \frac{k_{i-1}}{D} \right] - \dot{x}_{i-1} \left[ d_{i-1} + \frac{k_{i-1}}{D} \right]$ 

$$-\dot{x}_{i+1} \left[ d_i + \frac{k_i}{D} \right] = u_i(t) - m_i g \lambda m \theta_i \Rightarrow$$

																məi	
=)	m;	 X <sub>i</sub> +	(bit	di +	d; -1'	٠ ڼx (	+ (k;	+ ki	-1) ×	; -b; -	-ı×i k; 1	_1-\ {!+1	oi <sup>×</sup> i. = u;	(+) - +1 -	k <sub>i-1</sub> , mig	ум <del>()</del> (!-1_	i