- a) Explique pop no por o dipul de N? i o mais populs.

  colubra a la muidade de patincis muidio, patencia de sodiosos.

  e indique som colubra a expressão de potin as inadodo por este diplodio grama de servições.
  - 5) Determine o gormes de l/1, pare que o presente um diagramo
  - C) De qui lorm. i statudo o compo de trumognitico criodo palas Dipolo no presenco do um plono comdutar infraito
    - De topologio do onteno crio o mentre empo eltermognética e operanto o onteno quando operale a envontre num por P.C.I
    - E) De termim o religio entre resistèrise de rodinçõe de combon
    - F) Sim detallar
      - conduter inflinita
      - hunipontal us Ventical

α) 
$$\vec{S}^0 = \frac{1}{2} \cdot \vec{E_1} \cdot \vec{H}^0 = \frac{1}{2} \begin{vmatrix} \hat{1} & \hat{0} & \psi \\ 0 & E_0 & 0 \end{vmatrix} = \frac{1}{2} \vec{E_0} \cdot H_{\psi} = \frac{1}{2} \eta \cdot \vec{E_0}$$

$$\zeta = \frac{2\pi}{\lambda} = \frac{2\pi}{\frac{1}{2}}$$

$$|S_n| = \frac{1}{2} \cdot \frac{\sqrt{|T_0|}}{4\pi^2 n^2} \left( \frac{(a)(\frac{\pi}{2}.(a)6) - 0}{\sin 6} \right)^2$$

$$\frac{\cancel{L}}{2} = \frac{2\pi}{\cancel{\lambda}} \cancel{\lambda} = \frac{2\pi}{\cancel{\lambda}} \cancel{\lambda}$$

$$\mathcal{U} = \overline{S_n} \cdot n^2 = \eta \cdot \frac{\underline{T_0^2}}{8\pi^2 \cdot n^2} \cdot \left( \frac{\cos(\underline{T} \cdot (a_0))}{\sin \theta} \right)^2$$

diogramo de rediosão

Zenon:

$$\Theta_0 = c \Lambda(o S(\Lambda) = 0)$$

$$c \Lambda(o F(-1) = TT$$

$$O_{n} = O((O(n-2) = T)$$

$$O(G_{n}(-1+2) = 0$$

dipolo 1 => R = 75 ll cond de mox eficientia

$$\lim_{\Theta \to 0} \frac{\left( \left( \text{M} \left( \overline{\mathbb{I}}_{7}, \left( \text{M} \Theta \right) \right) \right)}{\left( \text{Gaim} \Theta \right)^{1}} = -\left( \overline{\mathbb{I}}_{7}, \left( \text{M} \Theta \right)^{1}, \text{Sim} \left( \overline{\mathbb{I}}_{7}, \left( \text{M} \Theta \right) \right) \right) = -\left( \overline{\mathbb{I}}_{7}, \text{Sim} \left( \overline{\mathbb{I}}_{7}, \left( \text{M} \Theta \right) \right) \right)$$

$$= -\left( \overline{\mathbb{I}}_{7}, \left( \text{M} \Theta \right)^{1}, \text{Sim} \left( \overline{\mathbb{I}}_{7}, \left( \text{M} \Theta \right) \right) \right) = -\left( \overline{\mathbb{I}}_{7}, \left( \text{M} \Theta \right) \right) = -\left( \overline{\mathbb{I}}_{7}, \left( \text{M} \Theta$$

6) gomo P/A -1 Tribubula



Zerun

$$CUS\Theta = \pm 1 \pm \frac{2mT}{\frac{cl}{2}} \left( = \frac{2mT}{\frac{2\pi L}{2}} - \frac{2mT}{\frac{4\pi l}{2}} - \frac{2mT}{4\pi l} - \frac{2mT}{1l} \right)$$

(0) O t+-5-1]

C+ 617

Sind Ct- >07

[-+ < 17

$$P_{1} \neq \frac{1}{2} = \frac{W_{1}}{10^{2}} = \frac{2W_{1}}{10^{2}} = \frac{1}{2} \cdot \frac{W_{1}}{10^{2}} = \frac{1}{2} \cdot \frac{W_{1}}{10^{2}} = \frac{2P_{1}(\frac{1}{2})}{10^{2}}$$