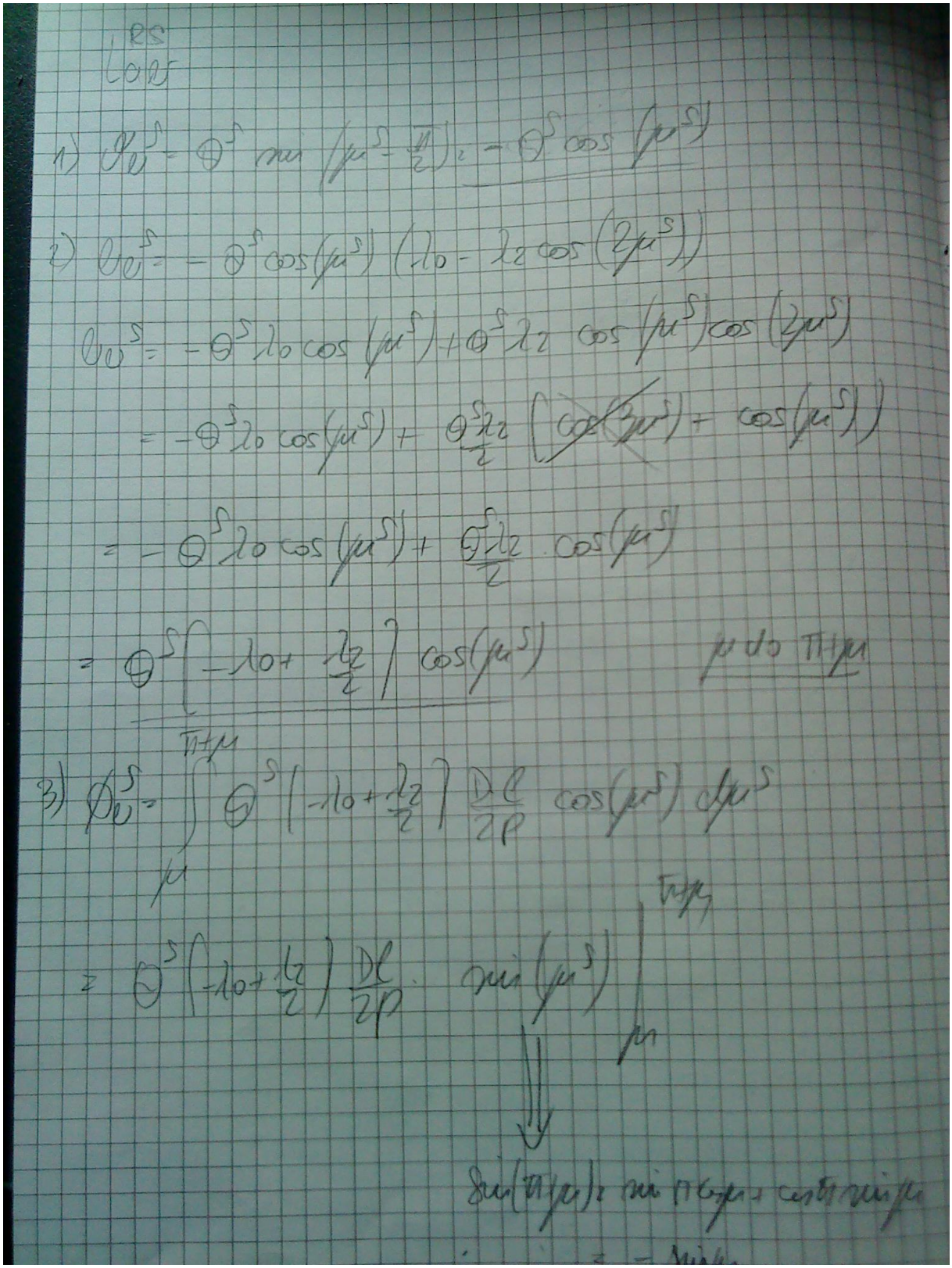
TESIT - 1.DZ

Induktivitet: $L_{a\ b}^{R\ S}$



$$= \Theta^2 \left(\lambda_0 + \frac{\lambda_2}{2}\right) \left(\frac{\rho l}{2\rho}\right) 2 \left(-\sin\mu^2\right)$$

$$\frac{2}{\pi} \varepsilon\rho \cdot l$$

$$= \frac{2}{\pi} \varepsilon\rho \cdot l \cdot \Theta^2 \left(\lambda_0 + \frac{\lambda_2}{2}\right) \left(-\sin\mu^2\right)$$

$$= \frac{2}{\pi} \varepsilon\rho \cdot l \cdot \Theta^2 \left(\lambda_0 - \frac{\lambda_2}{2}\right) \left(\sin\mu^2\right)$$

$$\psi_{ab}^{RS} = \beta_0^2 \cdot w^R I_n^R \quad \left(\Theta^2 = \frac{2}{\pi} \frac{w^2 I_n^2}{\rho} \cdot \varepsilon^2\right)$$

$$\psi_{ab}^{RS} = \left(\frac{2}{\pi}\right)^2 \left(\lambda_0 - \frac{\lambda_2}{2}\right) \frac{\varepsilon\rho l}{\rho} \left(w^2 I_n^2\right)\left(w^R I_n^R\right) \sin^2 \varepsilon\rho$$

$$\underline{L_{ab}^{RS} = \left(\frac{2}{\pi}\right)^2 \left(\lambda_0 - \frac{\lambda_2}{2}\right) \frac{\varepsilon\rho l}{\rho} \left(w^2 I_n^2\right)\left(w^R I_n^R\right) \sin\varepsilon\rho}$$