Exercice 1:

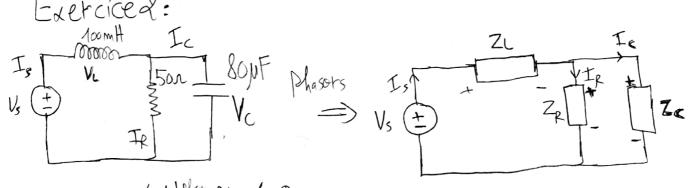
Yousself ZAKARIA 84094h8

Exemple pratique 1:

* Em appliquent la règle de trois, On obtient $n = \frac{30 \times 16}{3600} = 8,33 \times 10^3 \text{ k}$

Exemple pratique 2:

Exerciced:



$$V_s = dho Cos(wt) = 240L0$$
 $Z_c = A = -33,157 = 33,157 L-90 \Lambda$

Is = Vs = 24060 Ztotal = 21/17/643,85

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Exercice 4:

* Trouvers la value du court total absorbe par l'intellation

$$tan(R) = \frac{Q_1}{P_1}$$
, $tam(Q) = \frac{Q_2}{P_2}$

=
$$tan(45,57) \times 100 \times 10^3$$
 / $P_2 = tan(9) \times P_2$

$$= 16431,5 \text{ W}$$
 $S_2 = V I_2^*$

$$I_{\lambda}^* = \frac{S_4}{V}$$

$$I = I_1 + I_2 = (1297,58) L + 45) + (10),64 L (18/19)$$

$$= 398,51 L 37,87A$$

On houve l'impedance totale au miveau de la deuxième maille du Cirant

$$V_{k} = V_{in} \times \frac{Z_{eq}}{5 + Z_{eq}} = -9.082 - j3.457 V$$

$$V_{x} = V_{1} \times \frac{10}{14 - j13} = -2.589 - j4.874$$

$$V_x = 5,519 L - 118$$

$$V_{\rm X} = 5,519 \, \text{Cos} \, (400 \, \text{t} - 118) \, V$$

=> Trouvers l'impedance:

edan6:
$$Z_T = 5 + Z_{eq} = 8,095 + 3,067 \text{ A}$$

=xercice 6:

$$P = Cos(Q) \times S = P_5 \times S = 0.856 \times 12 \times 10^3 \Rightarrow P = 10272W$$

$$P = Cos(Q) \times S = P_5 \times S = 07357$$

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* $P = Cos(Q) \times S = 07357$
* $P = Cos(Q)$

*
$$S = P+3Q = 10272+3620377$$
 VA
* $S = P+3Q = 10272+3620377$ VA

*
$$S = P+\delta Q = 102+2+3000071$$

* $S = VI^* \Rightarrow I^* = \frac{S}{V} = 60,528 + 336,55 = \frac{1}{2}$

$$I = 60,522 - 336,55 = 70,71 \angle -31,73^{\circ} A$$

Pour trouver la Valen Max

*) fromon limpedance:

$$Z = \frac{S}{|I|^2} = \frac{10272 + j620377}{70,71} = \frac{11027 + j0,62n}{}$$