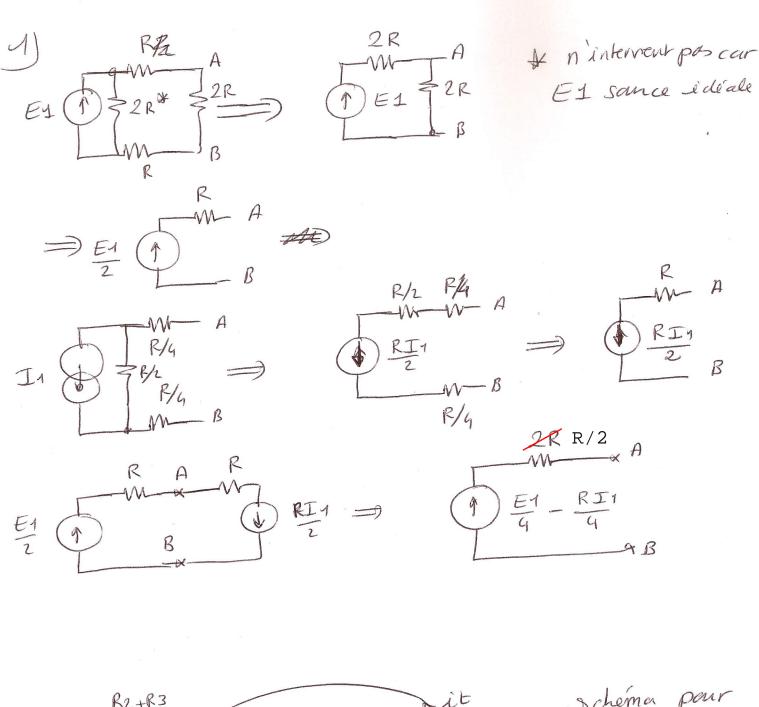
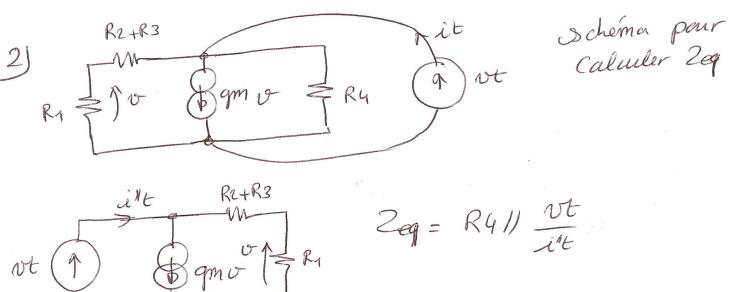
Ds du 24/2/2015





$$ilt = gm O + \frac{vt}{R_{1}+R_{2}+R_{3}}$$

$$v = vt R_{1}$$

$$R_{1}+R_{2}+R_{3}$$

$$ilt = vt \frac{(1+gm R_{1})}{R_{1}+R_{2}+R_{3}}$$

$$2eq = R_{4} \frac{R_{1}+R_{2}+R_{3}}{R_{1}+R_{2}+R_{3}}$$

$$2eq = R4 / \frac{R_1 + R_2 + R_3}{1 + gm R_1} \approx 33, 2.2$$

$$\frac{1}{14k} = \frac{1}{14k} \approx 342$$

$$V_{S} = \left(1 + \frac{R_{4}}{R_{3}}\right)\left(\frac{-R_{2}}{R_{1}}\right) V_{e1} + \left(1 + \frac{R_{2}}{R_{1}}\right) V_{e2}$$
il faut le même gain pour Ven et Ver
$$\left(1 + \frac{R_{4}}{R_{3}}\right)\left(\frac{R_{2}}{R_{1}}\right) = 1 + \frac{R_{2}}{R_{1}}$$

$$\frac{R_{4}}{R_{3}} \frac{R_{2}}{R_{1}} = 1$$

$$\frac{R_{4}}{R_{3}} \frac{R_{2}}{R_{1}} = 1$$

$$\frac{R4}{R3} \frac{R2}{R1} = 1$$

$$R_2 = 9dx$$

$$done \frac{R^3}{Ru} = 9$$

$$R_4 = \frac{R^3}{9} = 1,11m$$

4) Renintervieur pos car El sonna de tension idéale

