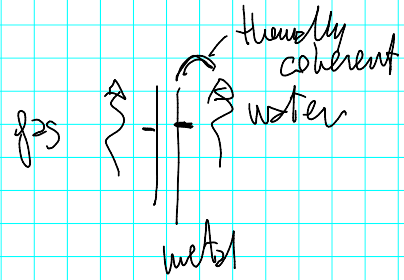
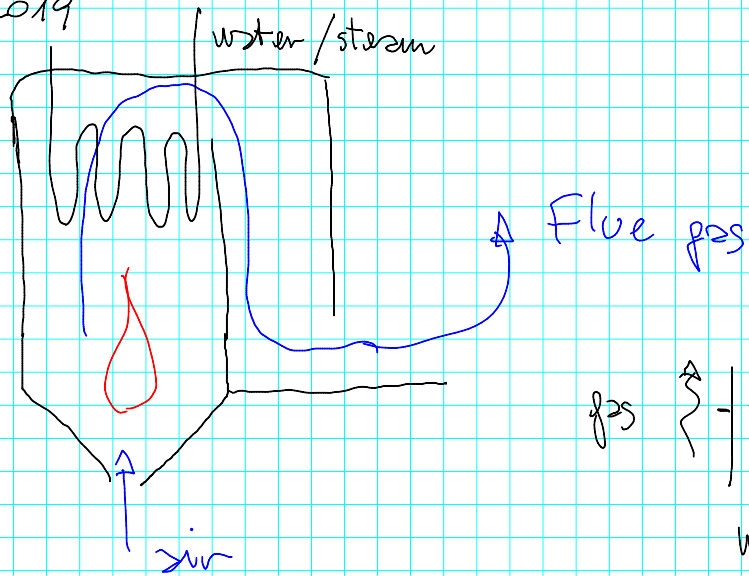
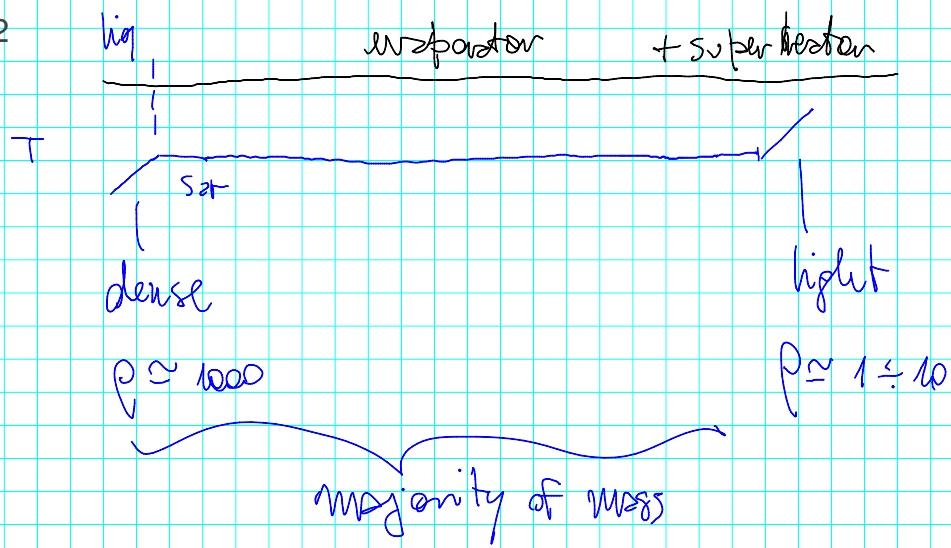


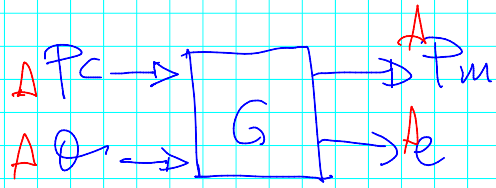
04/04/2019



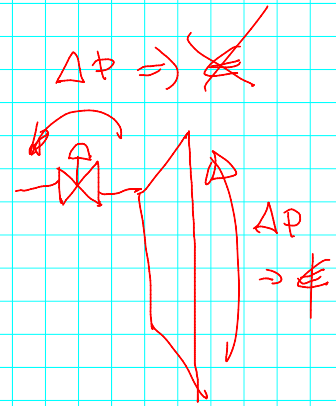
2



3



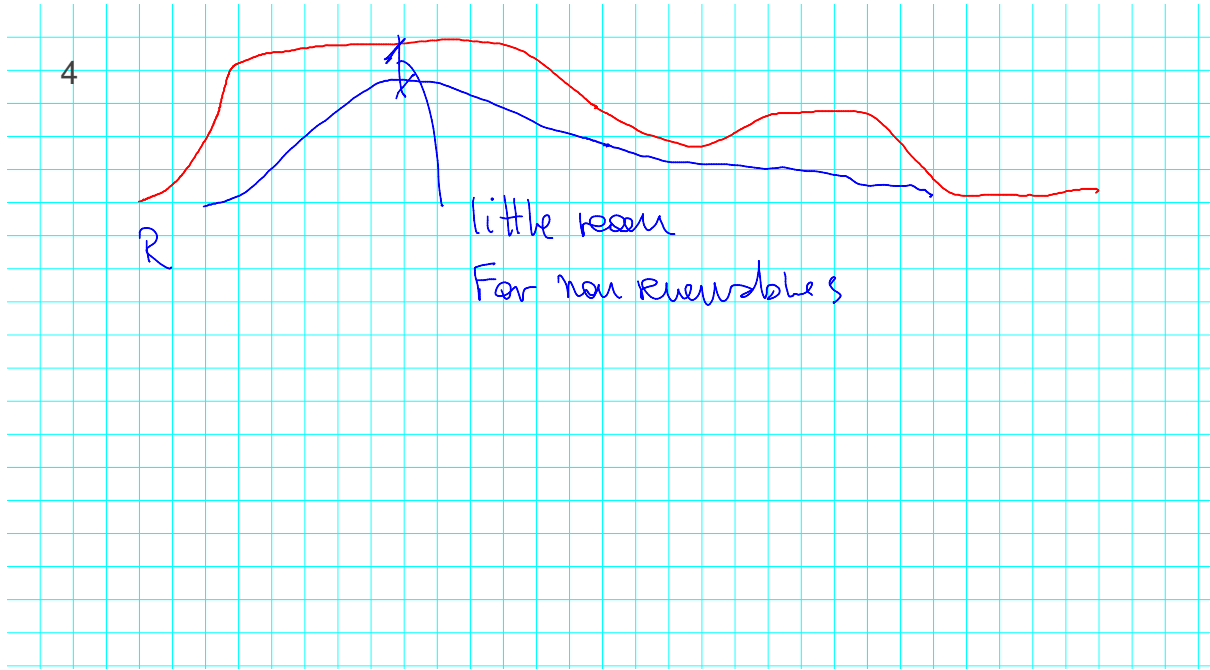
$$\Sigma_k = \frac{1}{2} \omega^2$$



4

R

little room
For non renewables



$$5 \quad P(s) = \frac{1}{s(1+s\tau)} \quad R(s) = K \frac{1+sT_i}{sT_i}$$

Cancel time by cancellation because

$$T_i = \tau \Rightarrow L = RP = \frac{K}{s^2 \tau}$$

$$\angle L = -180^\circ \Rightarrow \phi_m = 0^\circ$$

6

$$L(s) = \frac{KM}{s^2 T_i} \frac{1+sT_i}{1+s\tau}$$

 K, T_i to be chosen