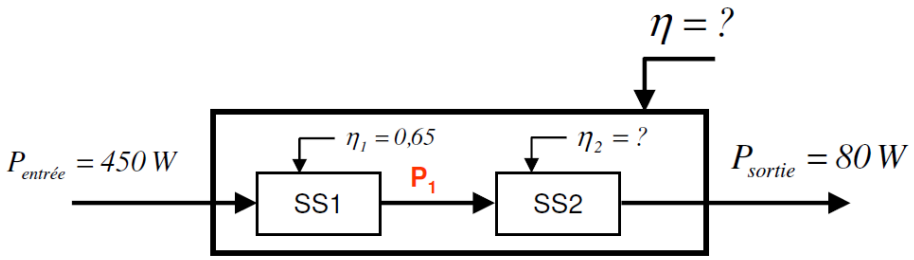
Nom : _____

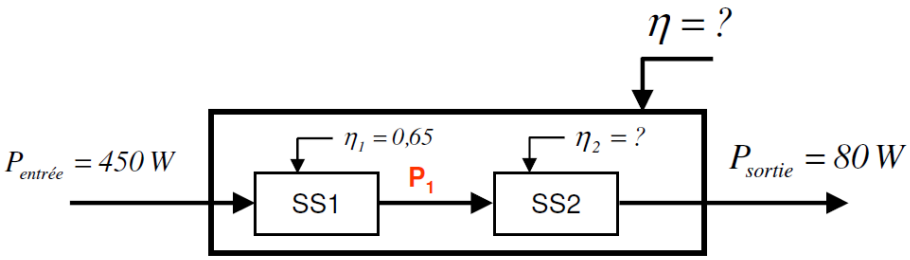
Prénom : _____

Note : / 20

Calculer P_1 puis η_2 puis η.



CORRECTION



$$\eta_1 = \frac{P_1}{P_{entrée}} \quad \Leftrightarrow \quad P_1 = \eta_1 \times P_{entrée} = 450 \times 0{,}65 = 293\ W$$

$$\eta_2 = \frac{P_{sortie}}{P_1} = \frac{80}{293} = 0{,}27$$

$$\eta = \prod \eta_i = \eta_1 \times \eta_2 = 0{,}65 \times 0{,}27 = 0{,}177$$