

Exercice 3

Schema de Ponctionnement Q100 Bungalau T2

In water (2) 20

Convention positive pampe

Remarques Wn = - W' et Q2 = - Q'e Systeme: 2n

1-principe Q, + Q3 + Wn = 0 2. Principe O1 + Q3 = 0 (reversible)

Systeme : Ep 1 principe  $Q_2' + Q_3' + W_p' = 0$ 2 Principe  $Q_2' + Q_3' = 0$  (reversible)

Elicacie e = Oz = - Q'z

avec Un = - Up on a Q1 + Q3 = - (Q2 + Q3)

or  $Q_3 = \frac{T_3}{T_4}Q_1$ er  $Q_3' = \frac{T_3}{T_4}Q_2$ 

Ainsi Q, (1- T3) = - Q2 (1- T3)

= Q2 (1 - T3)

ains:  $e = \frac{Q_2}{Q_1} = \frac{T_2}{T_1} = \frac{T_1}{T_2} = \frac{2}{35}$ 









