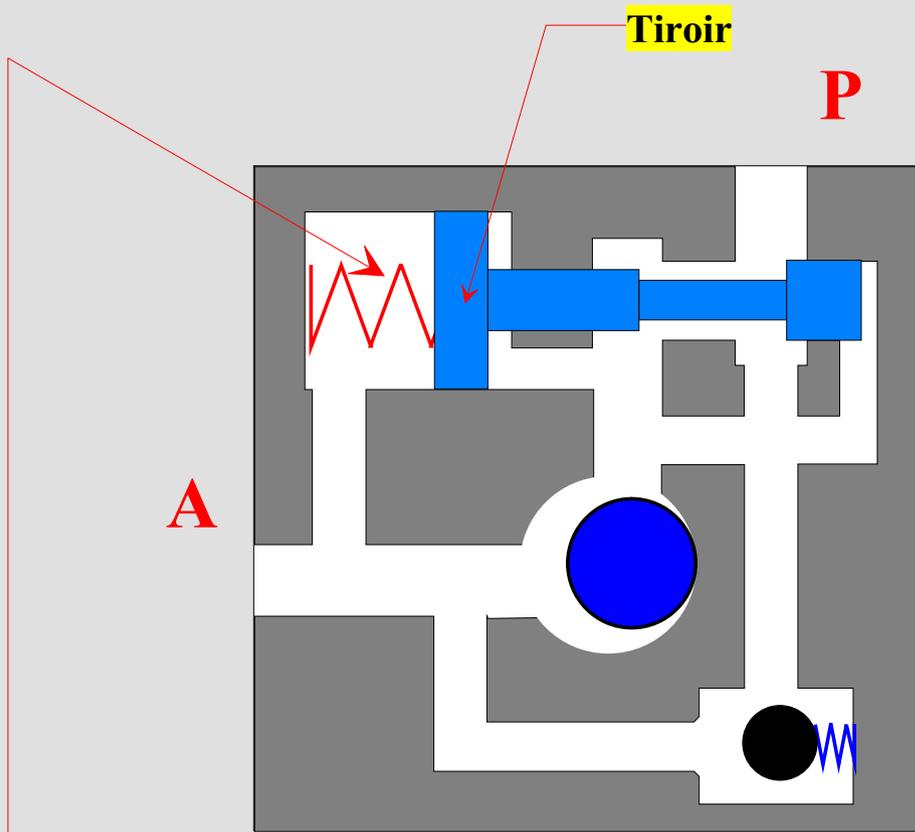


Régulateur de débit

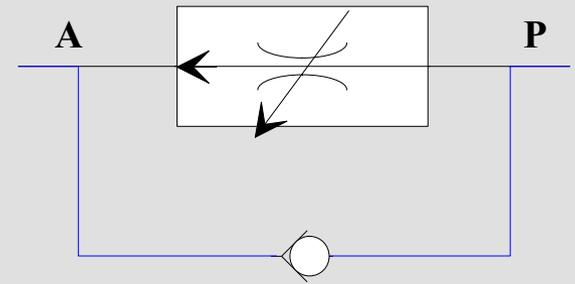
avec clapet de non retour

Equilibre du tiroir

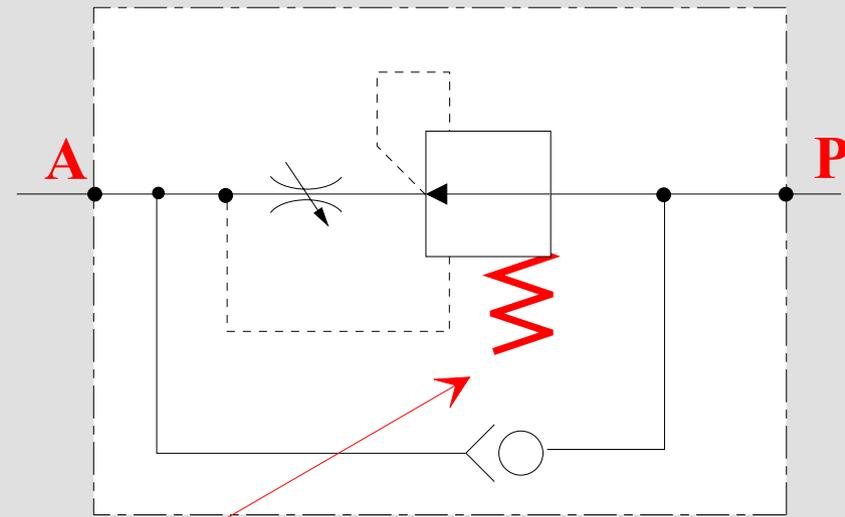


le ressort maintient poussé le piston

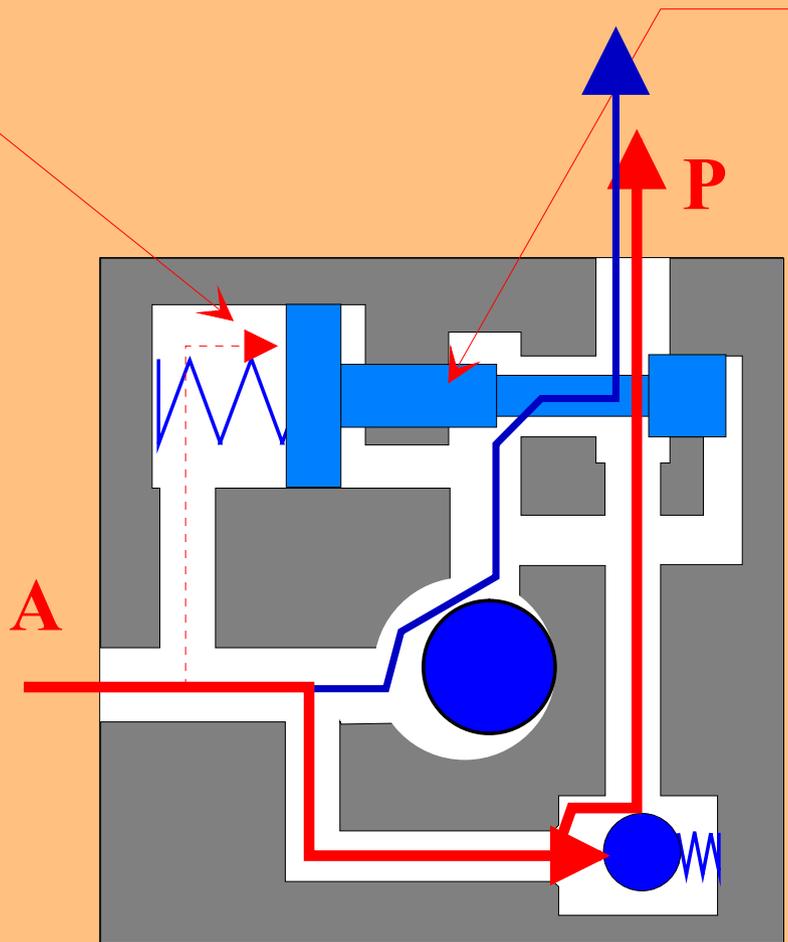
Symbole simplifié



Le ressort ne figure pas sur le symbole simplifié



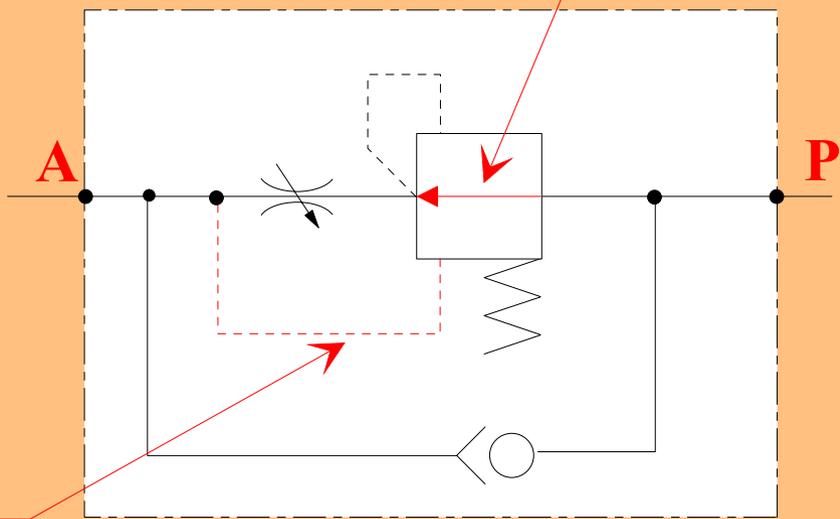
Symbole détaillé



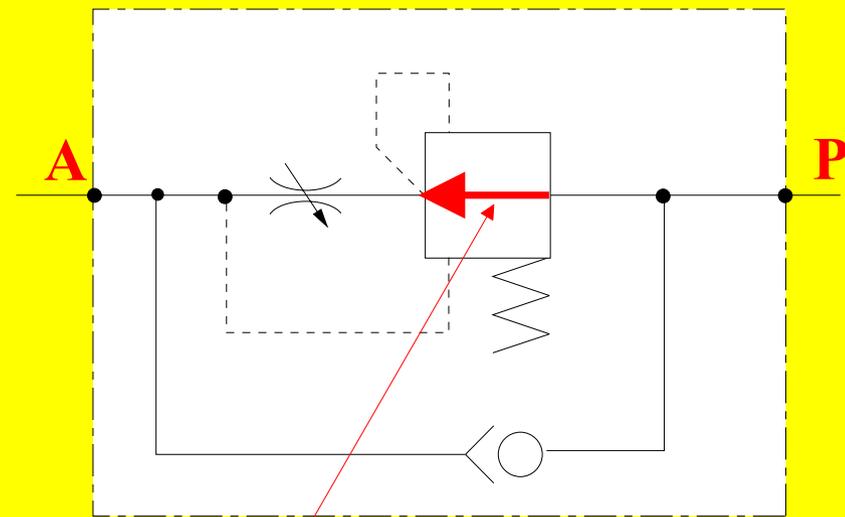
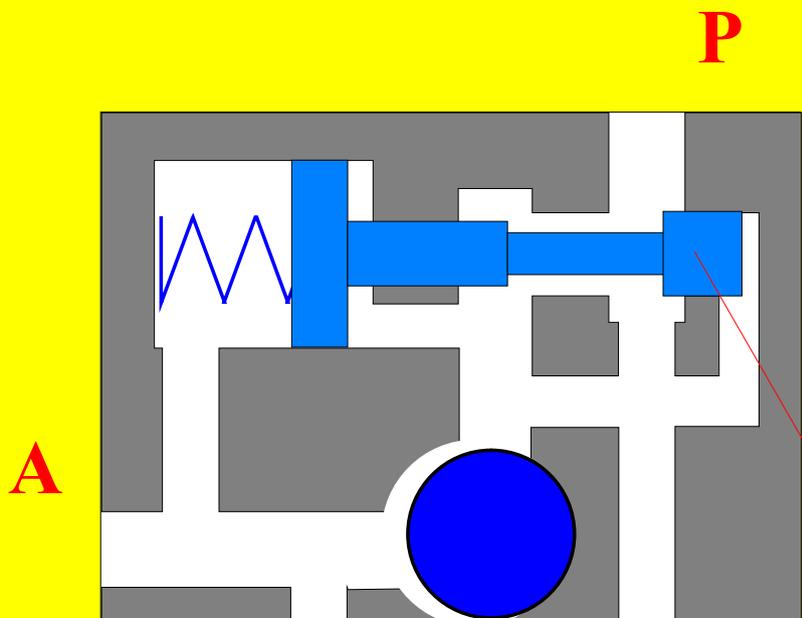
pression de pilotage

Piston

il ne bouche pas l'orifice entre P et A

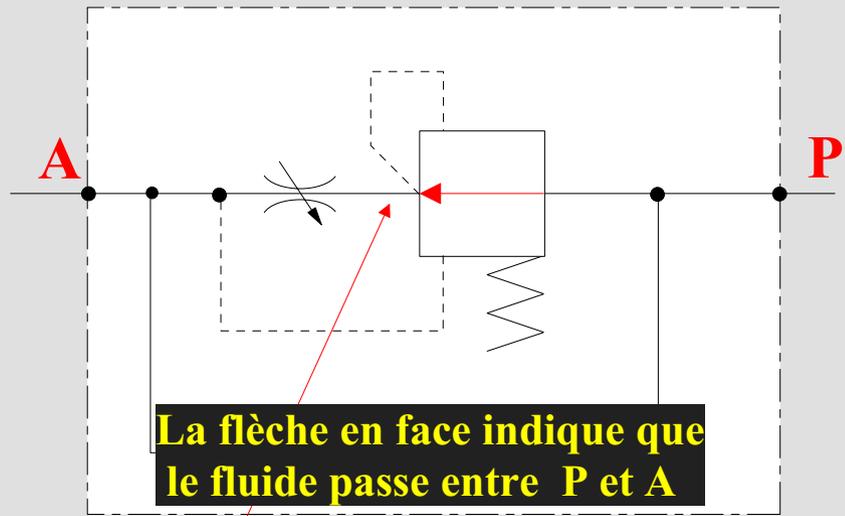
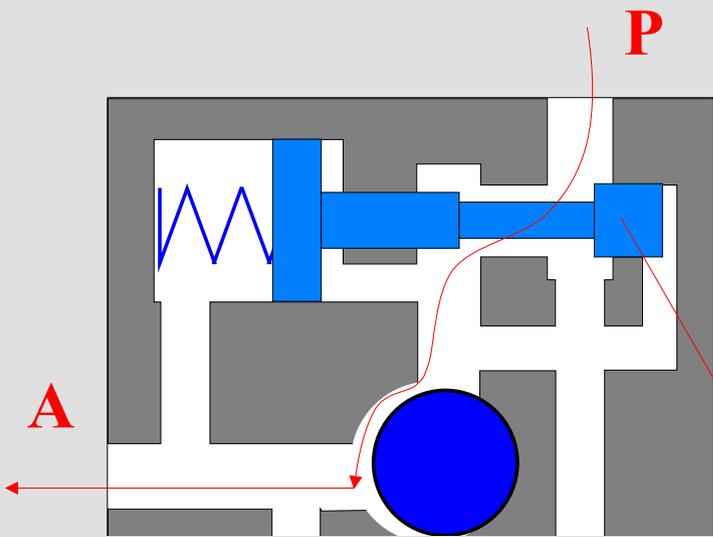


Symbole détaillé



Symbole détaillé

Le tiroir correspond à la flèche du symbole

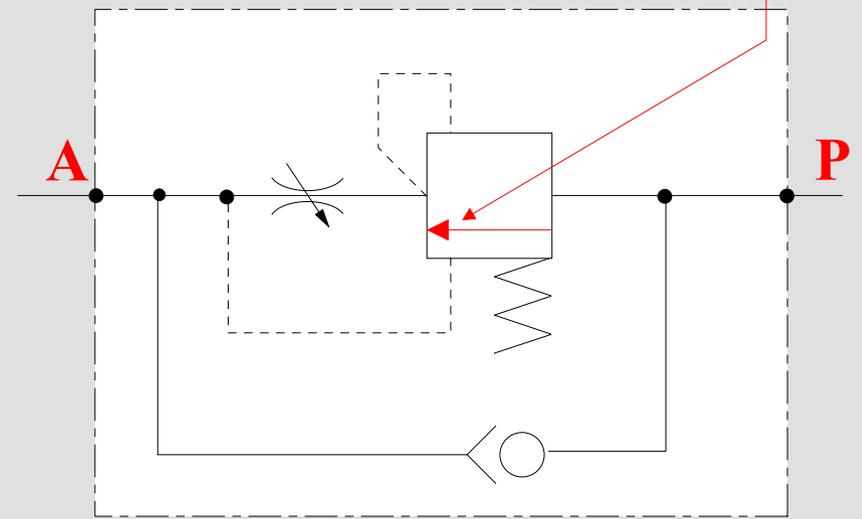


La flèche en face indique que le fluide passe entre P et A

Symbole détaillé

Le tiroir laisse passer le fluide entre P et A

La flèche qui n'est pas en face indique que le fluide passe pas entre P et A

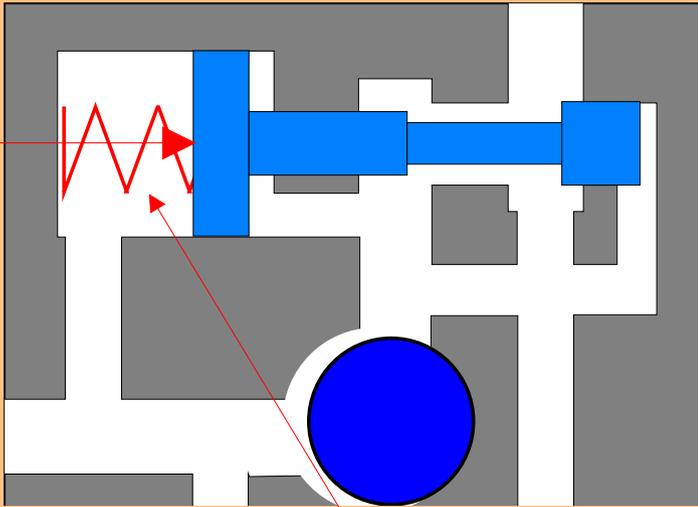


Symbole détaillé

P

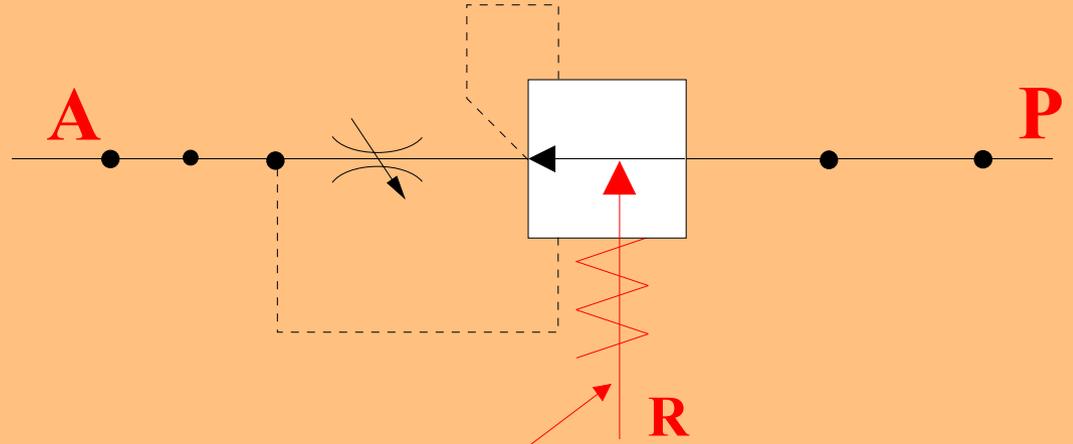
R

A

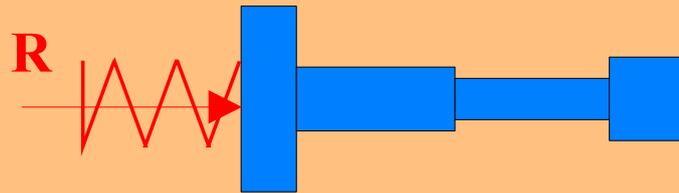


A

P

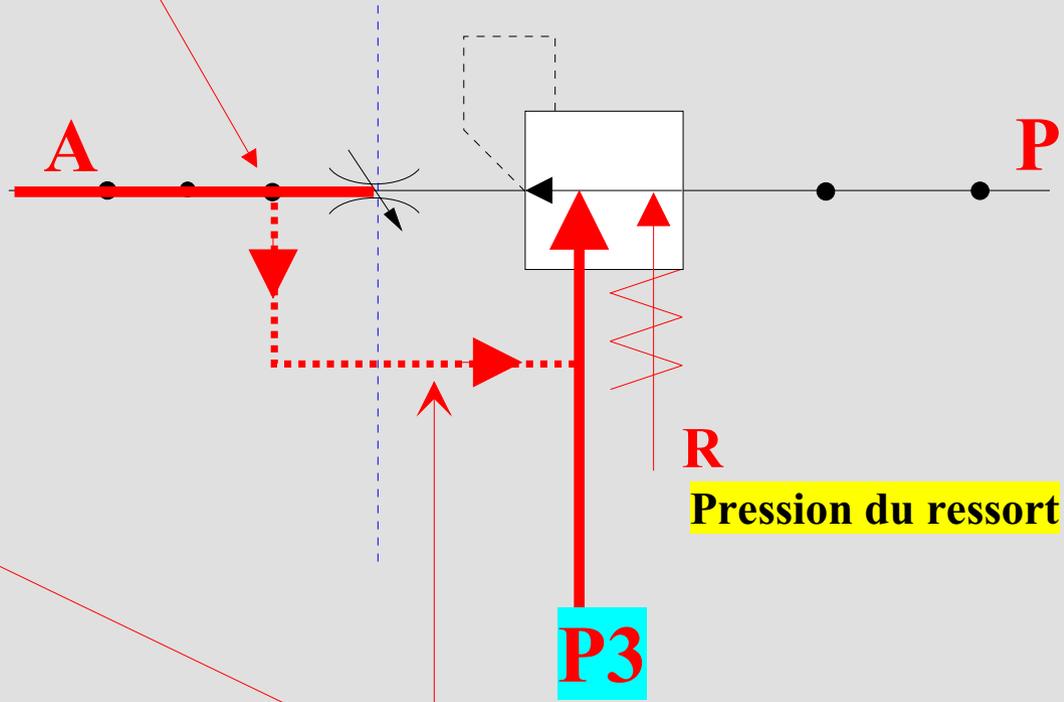
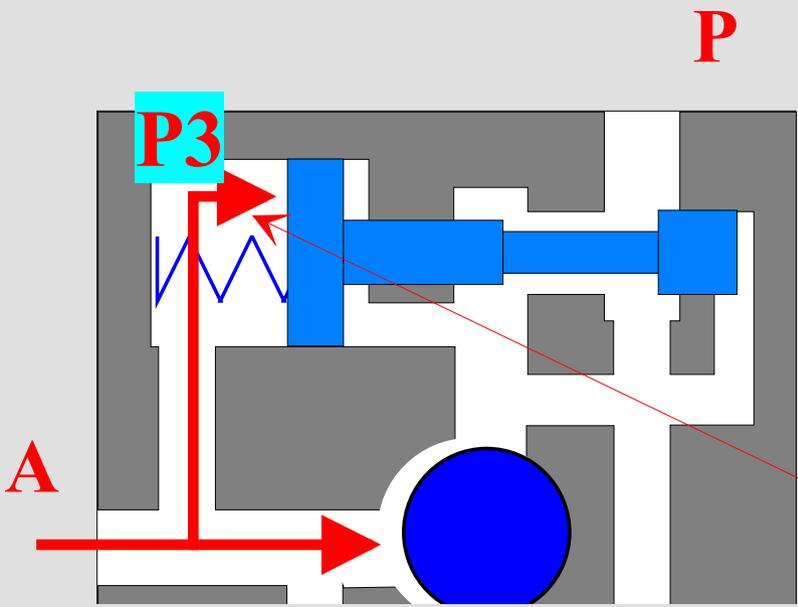


R



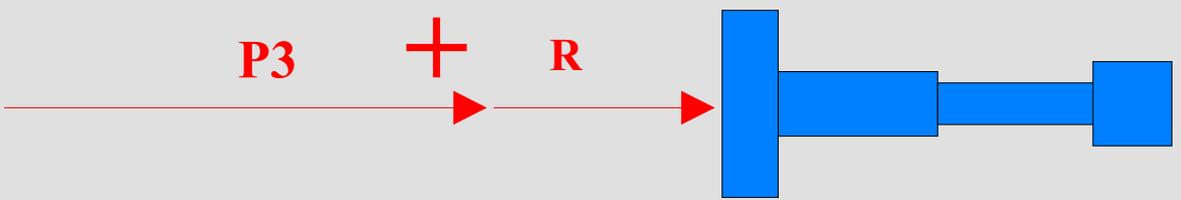
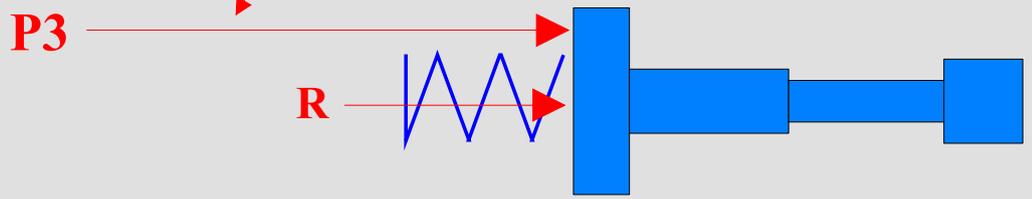
Le ressort pousse sur le tiroir

Prise d'information de pression

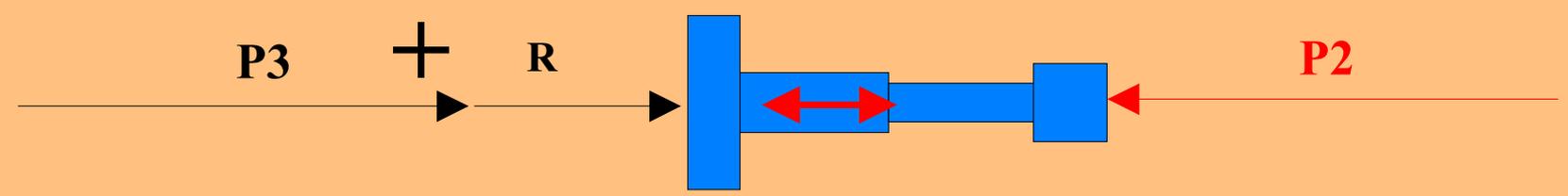
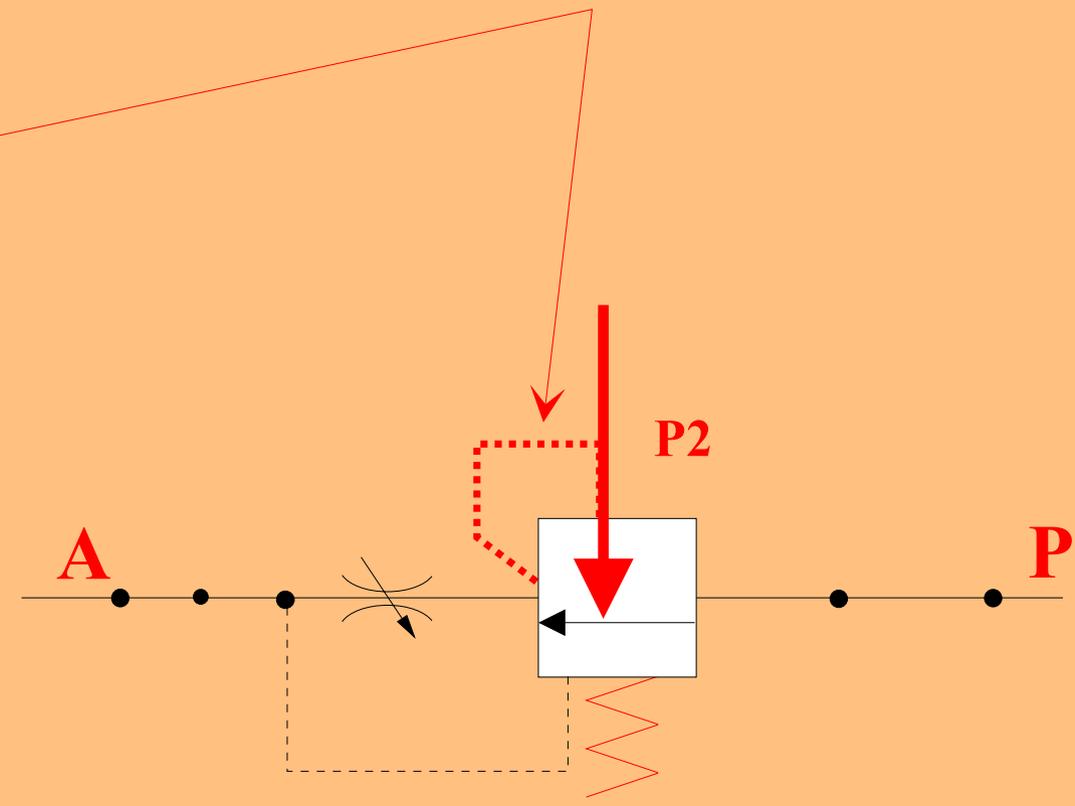
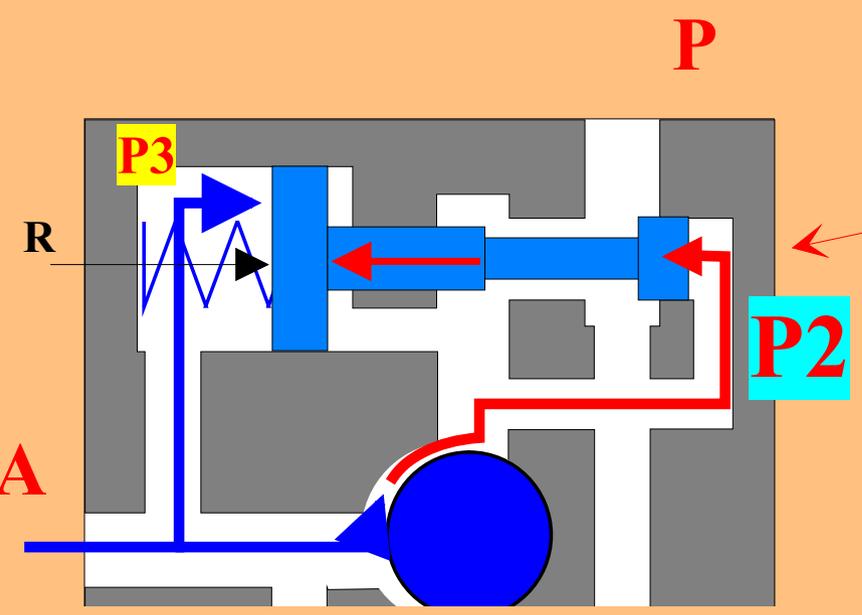


Pression du ressort

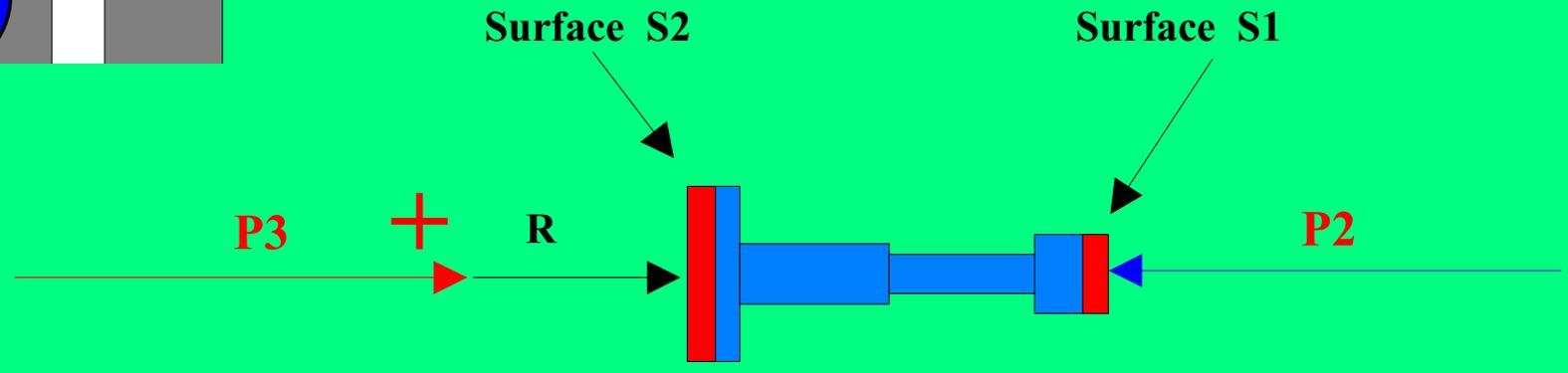
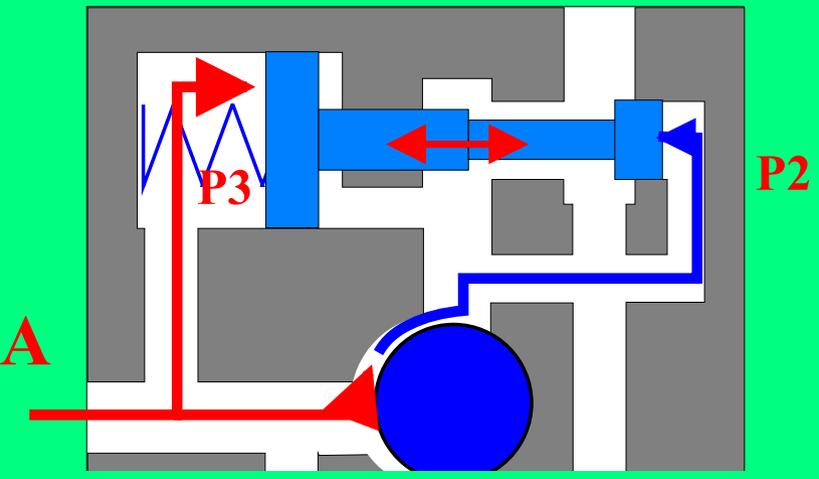
Une pression P3 s'exerce sur le tiroir



Une pression P2 s'exerce sur le tiroir



P



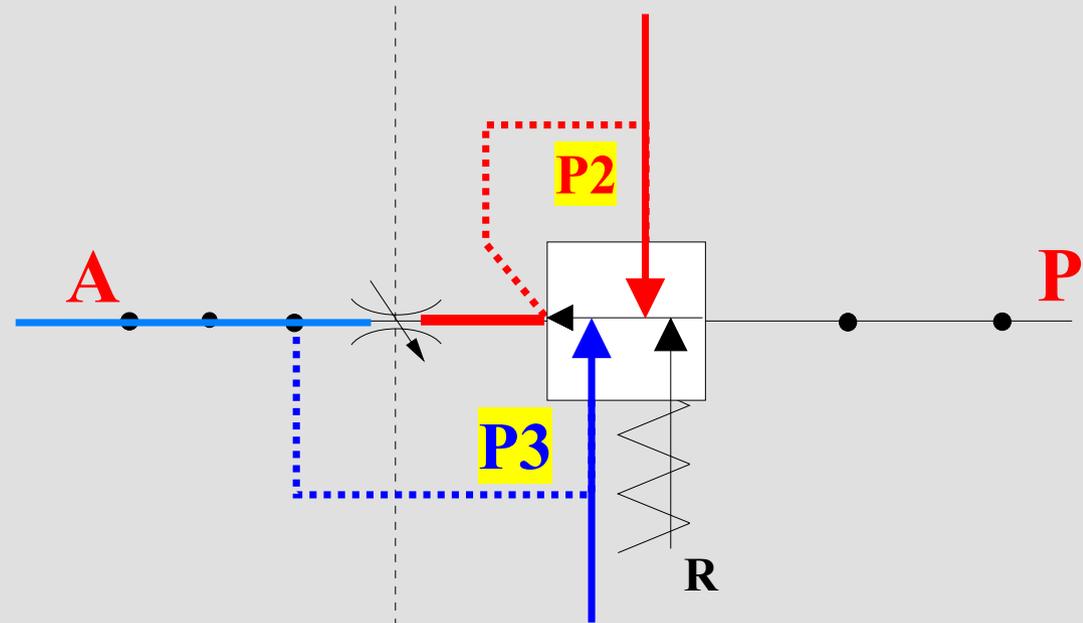
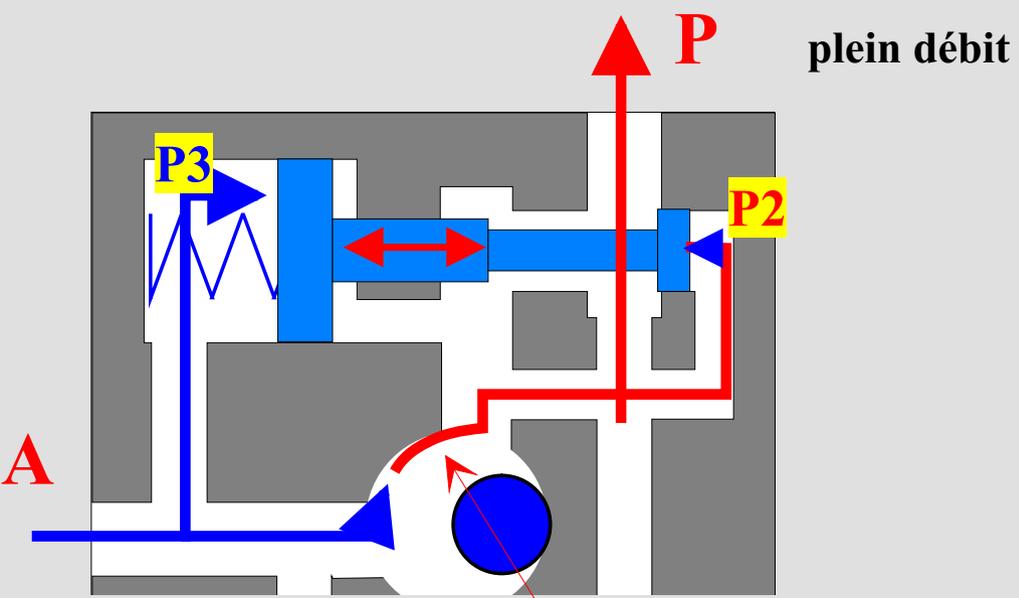
$R \text{ (force du ressort)} + P3 \times S2 = P2 \times S1$

Si $S1 = S2$

$(P2 - P3) S = R \text{ (force du ressort)}$

$$P2 - P3 = \frac{R}{S}$$

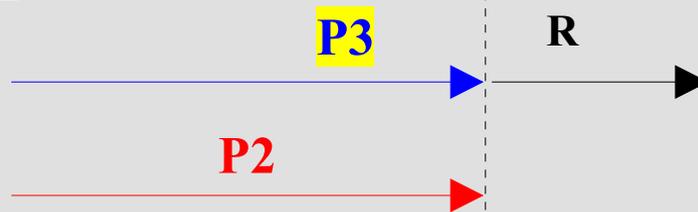
▲ $P = \text{constante}$ (pointing to $P2 - P3$)
 R (pointing to R) \leftarrow constante
 S (pointing to S) \leftarrow constante



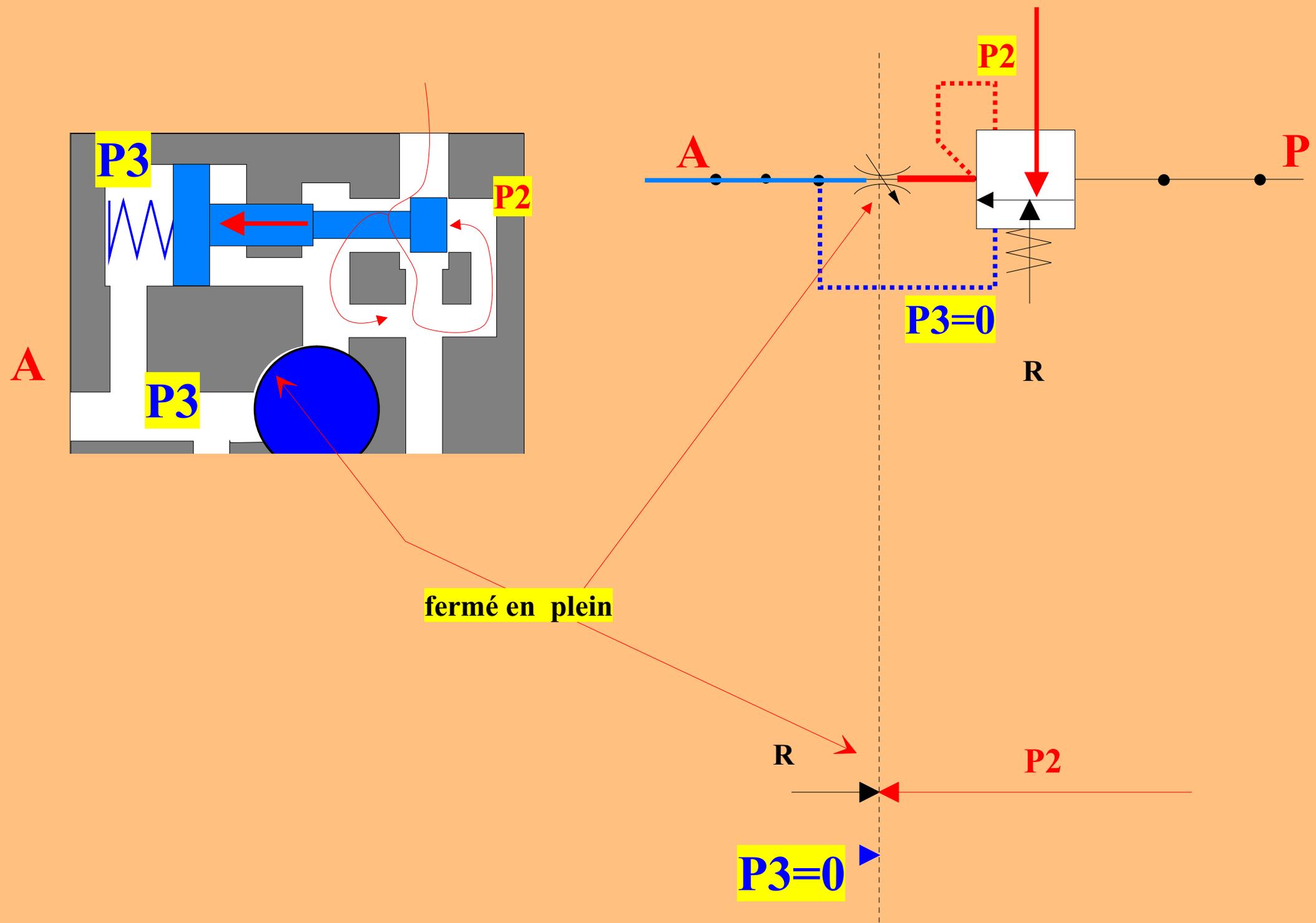
ouvert en plein

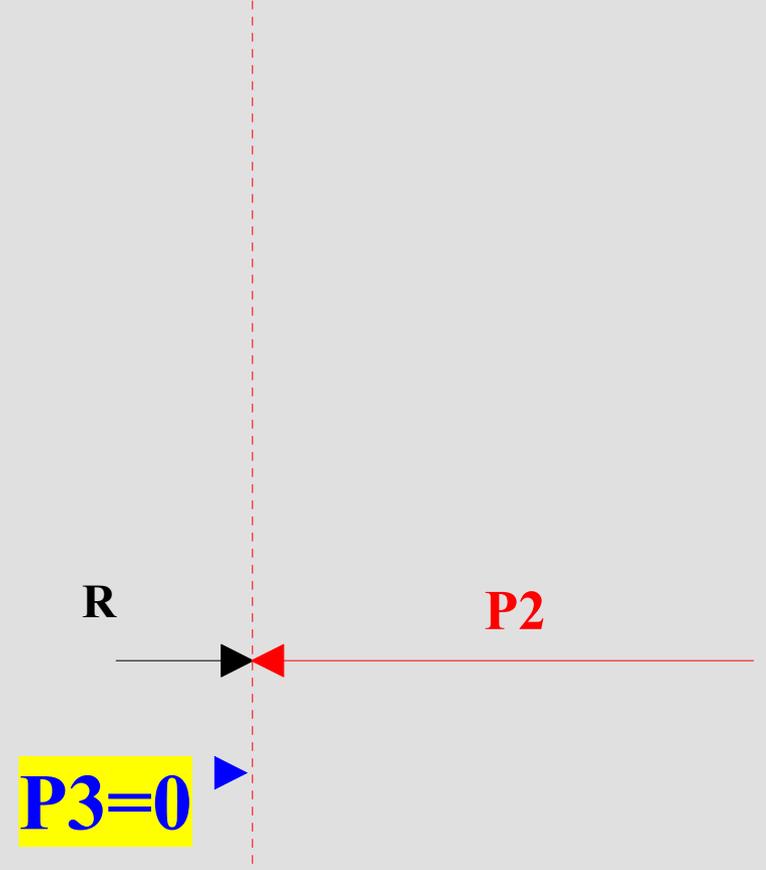
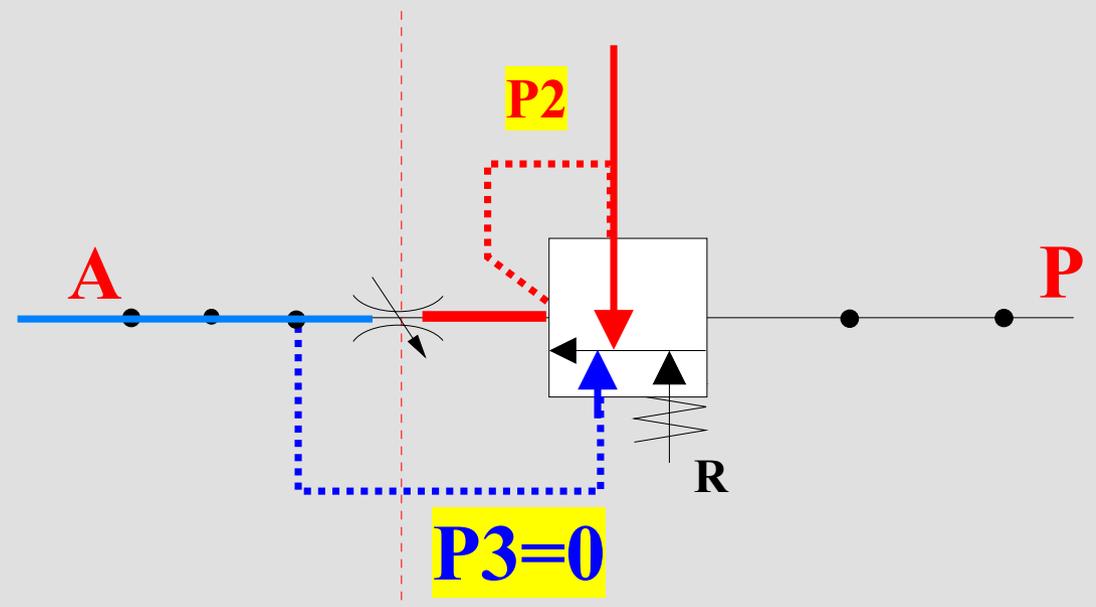
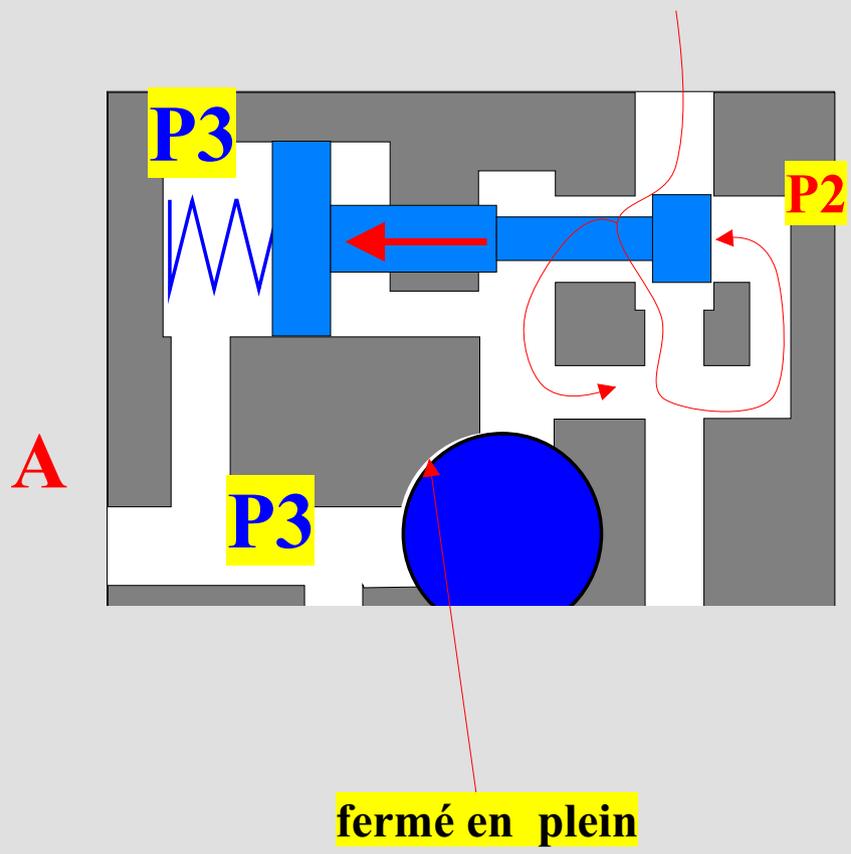
$$P2 = P3$$

Bilan des forces



Dépend de la force du ressort





THE END

Echap