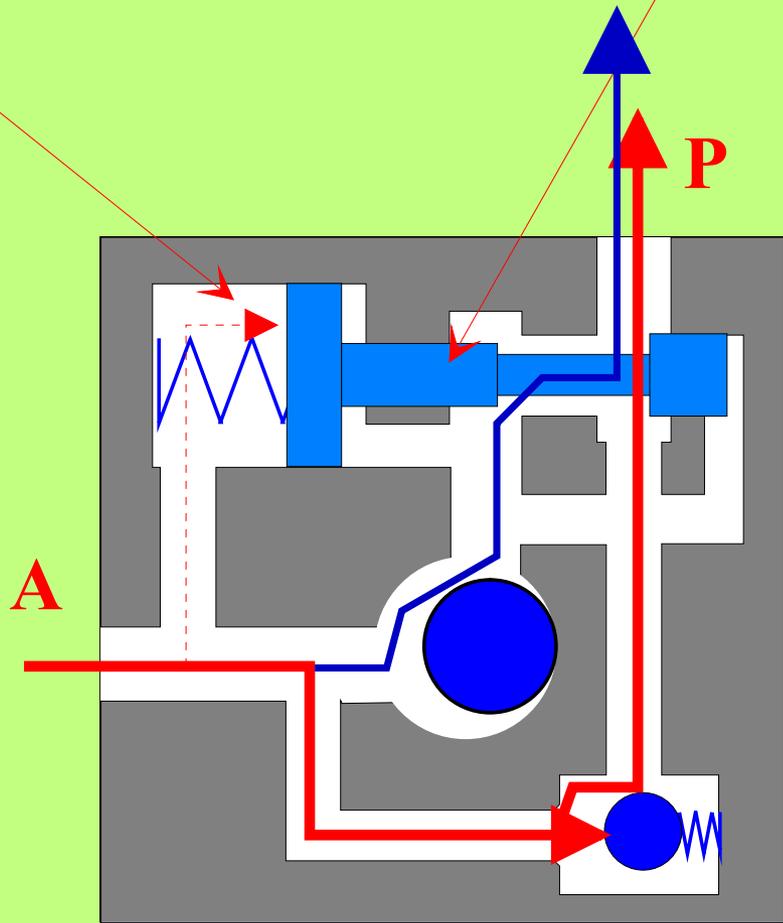


Régulateur de débit

avec clapet de non retour

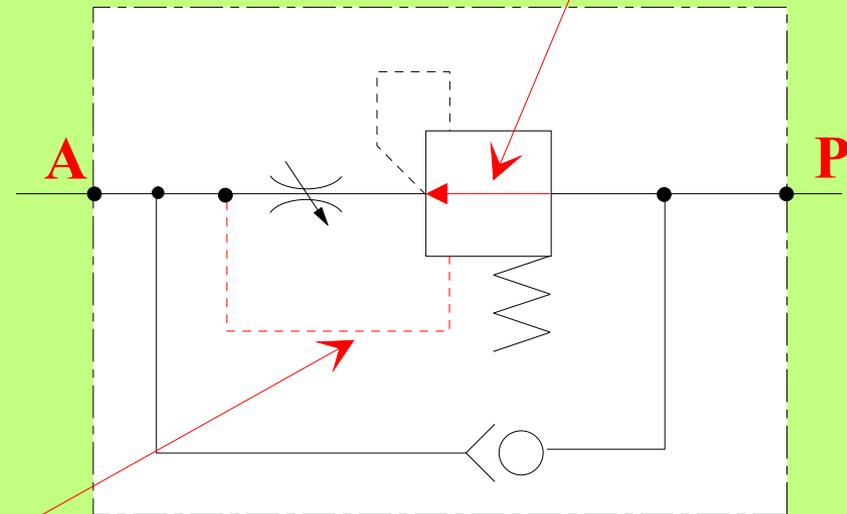
Dans un montage



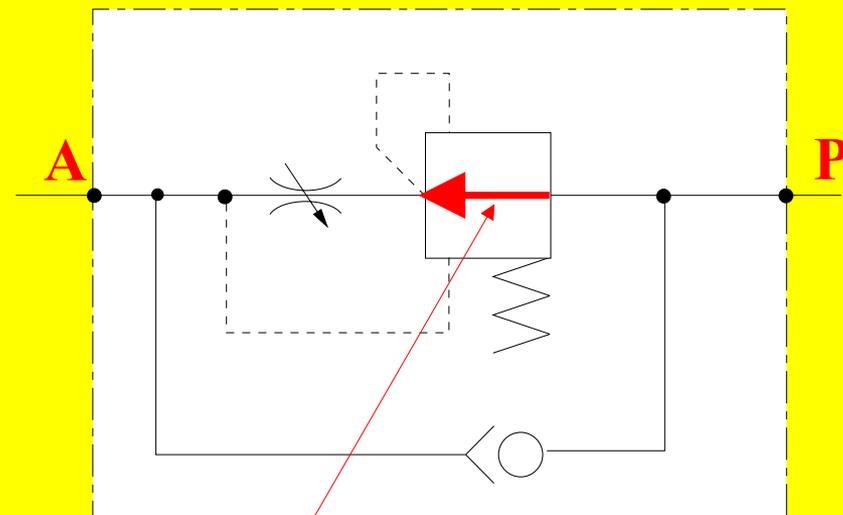
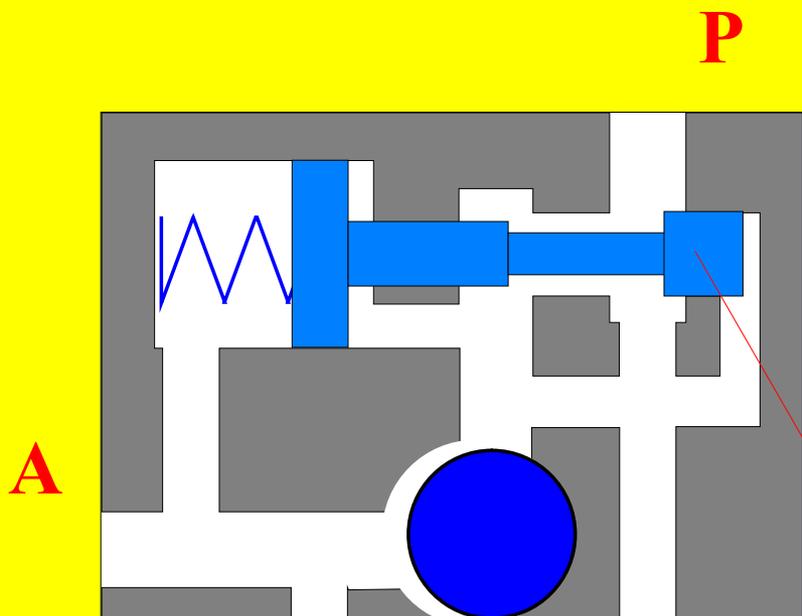
pression de pilotage

Piston

il ne bouche pas l'orifice entre P et A

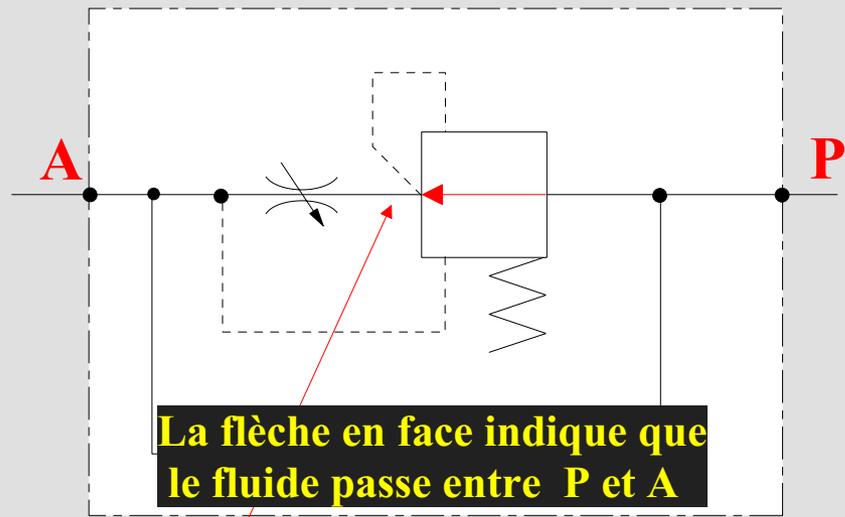
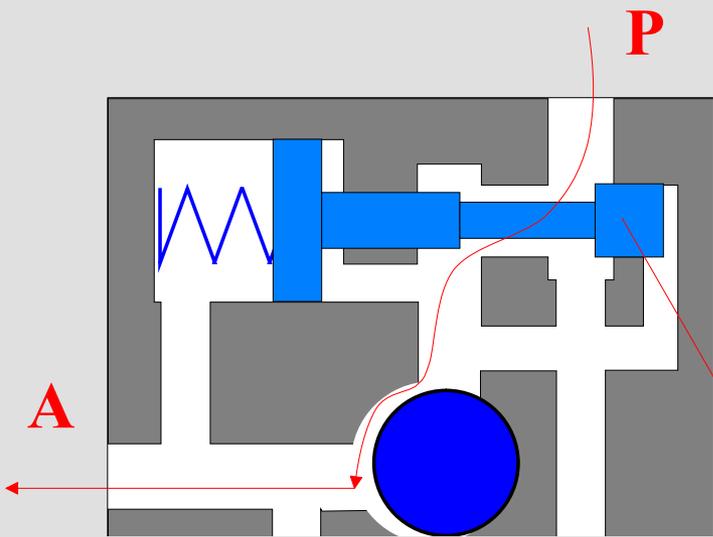


Symbole détaillé



Symbole détaillé

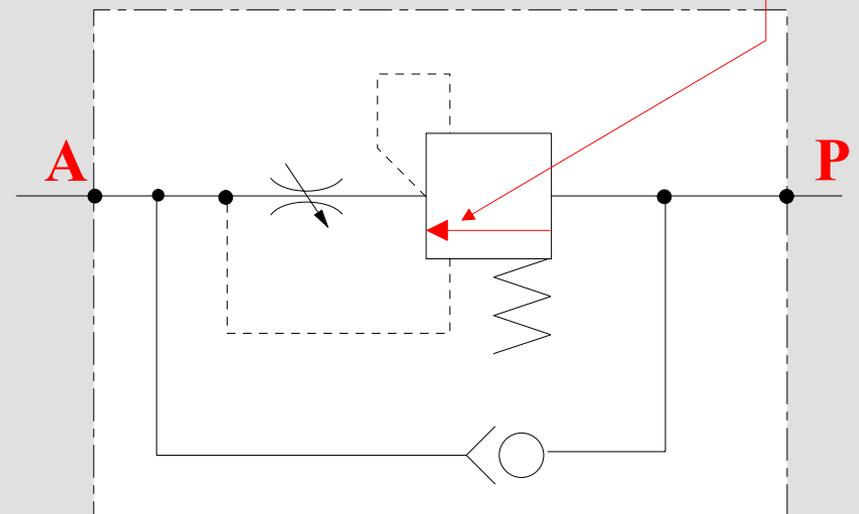
Le tiroir correspond à la flèche du symbole



Symbole détaillé

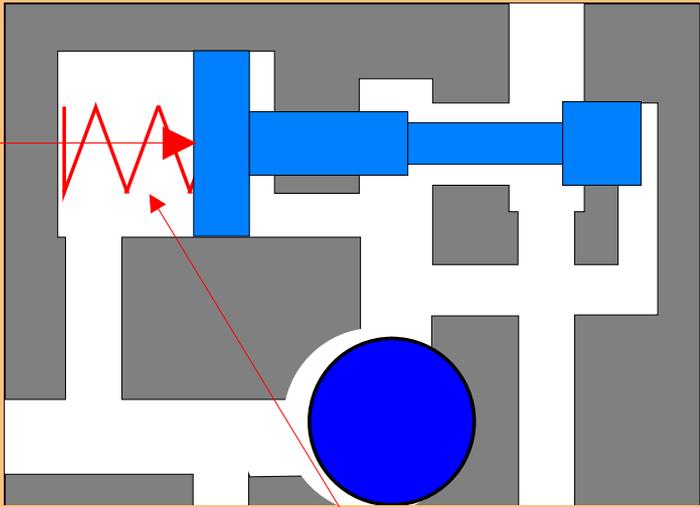
Le tiroir laisse passer le fluide entre P et A

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



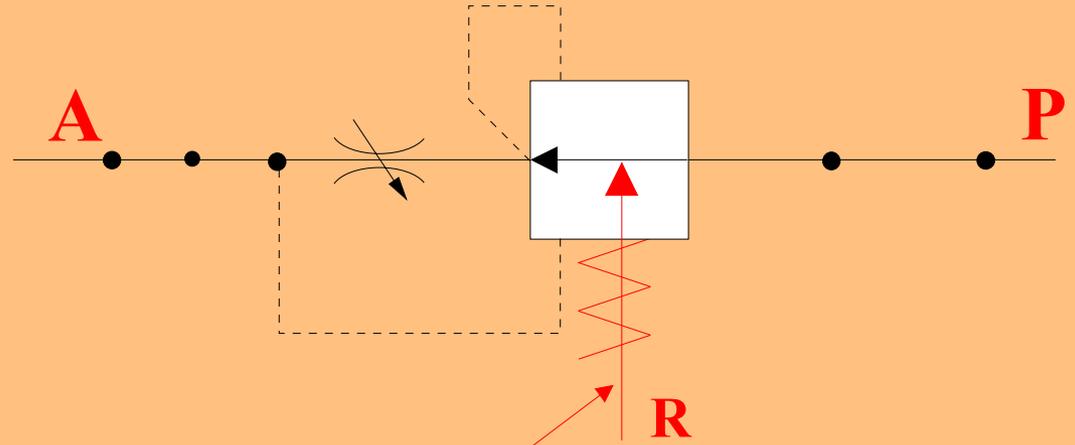
Symbole détaillé

P



R

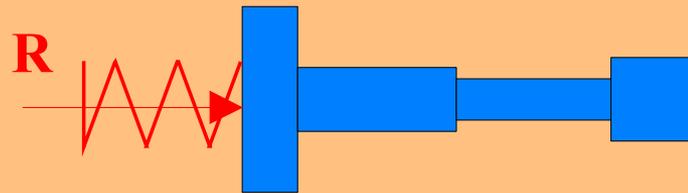
A



A

P

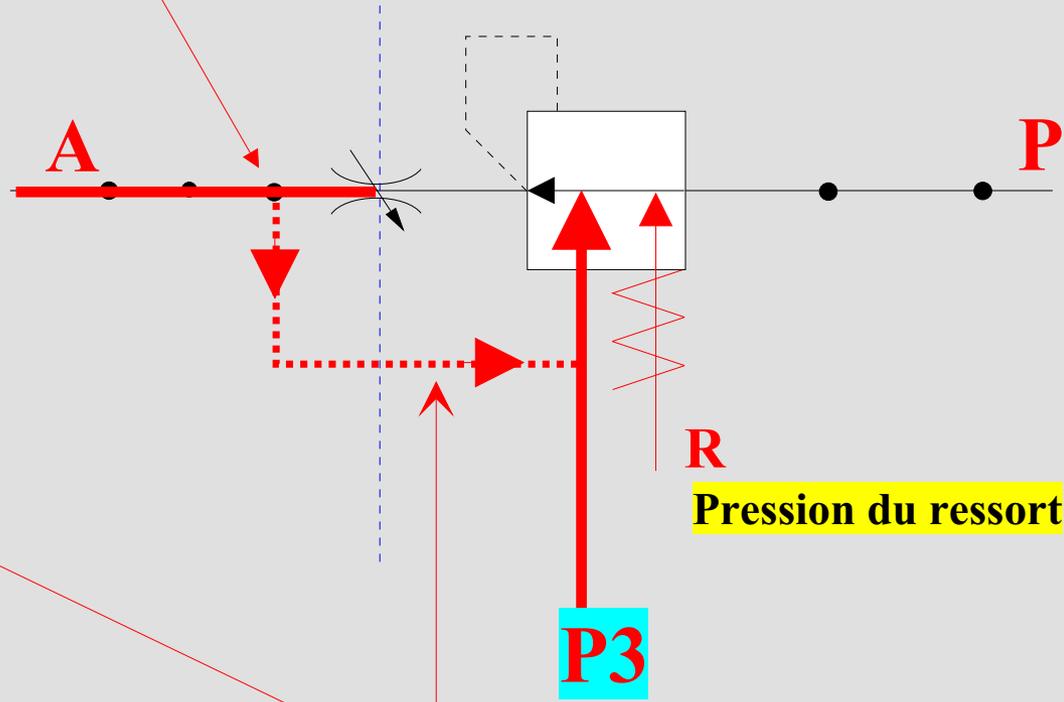
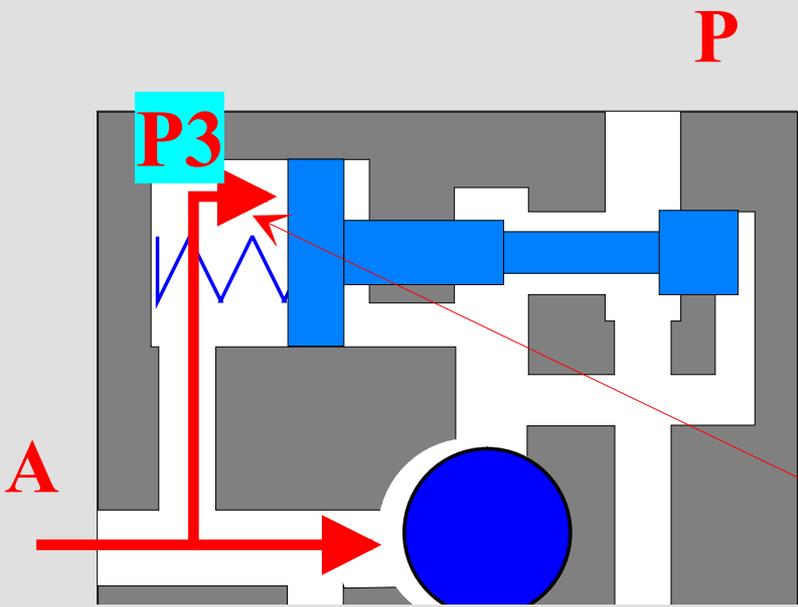
R



R

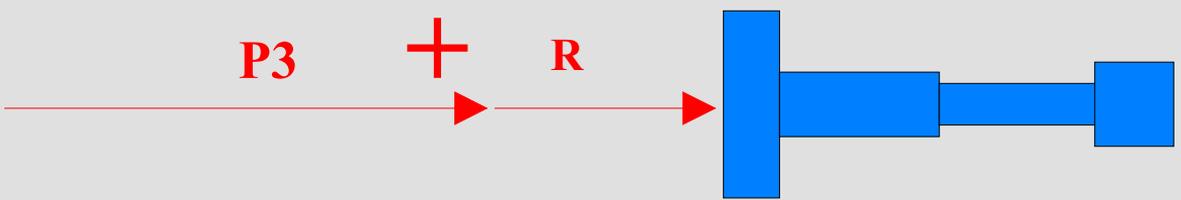
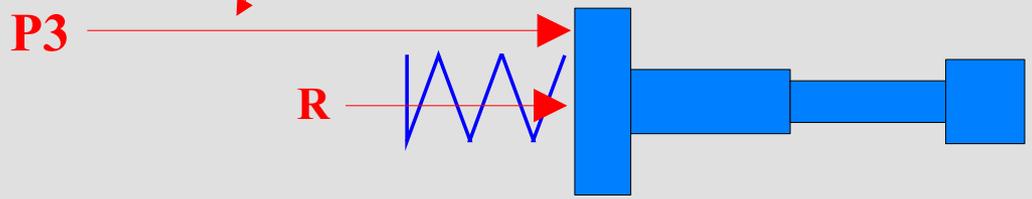
Le ressort pousse sur le tiroir

Prise d'information de pression

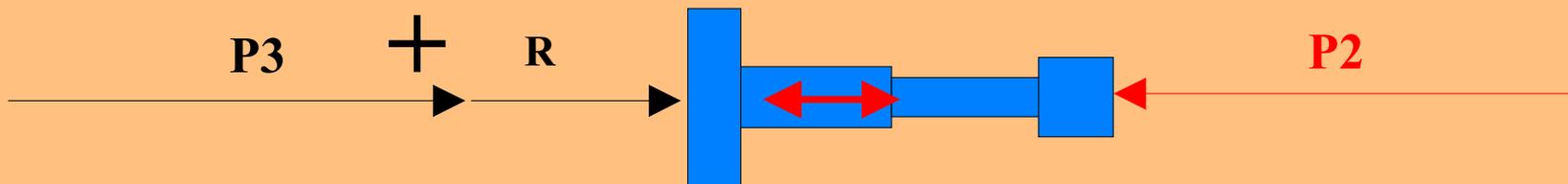
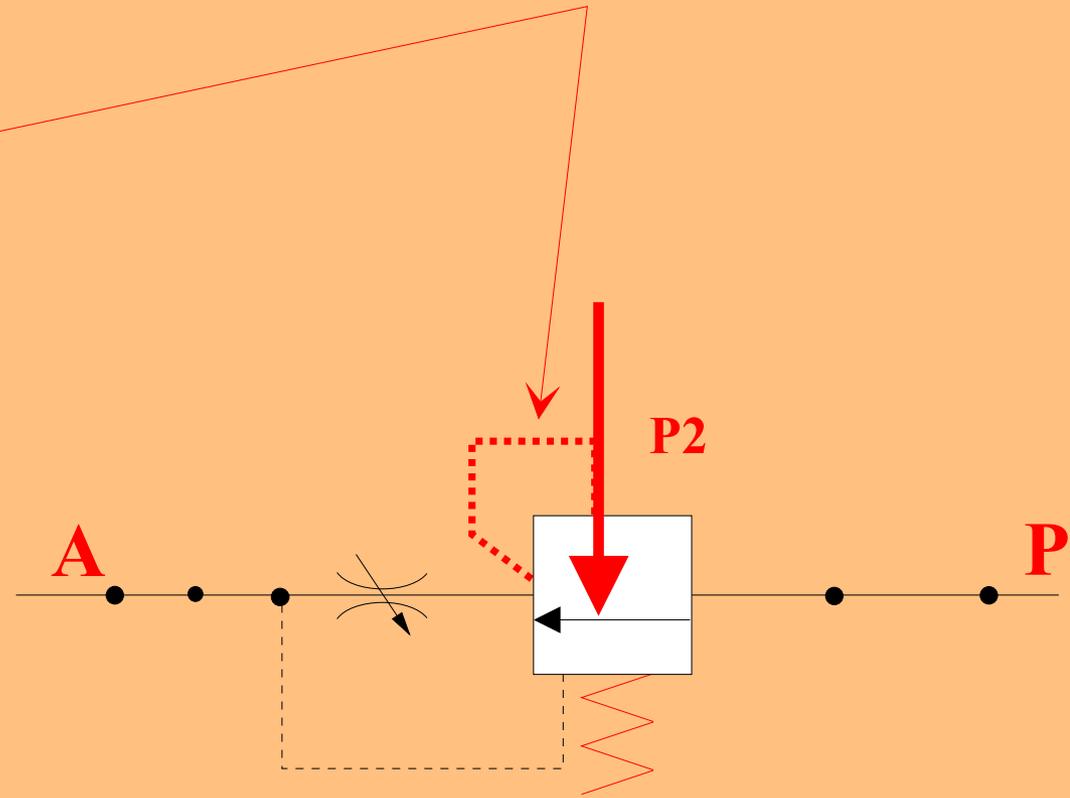
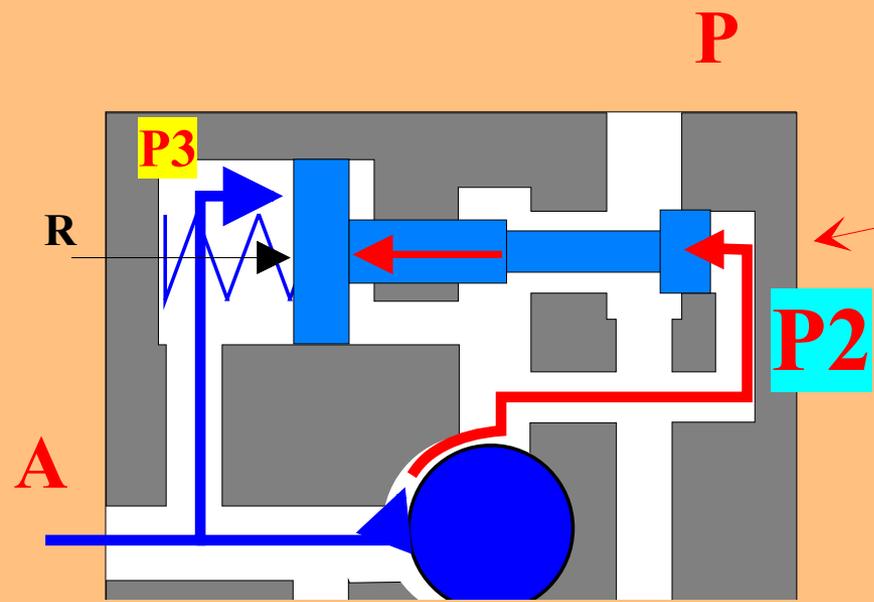


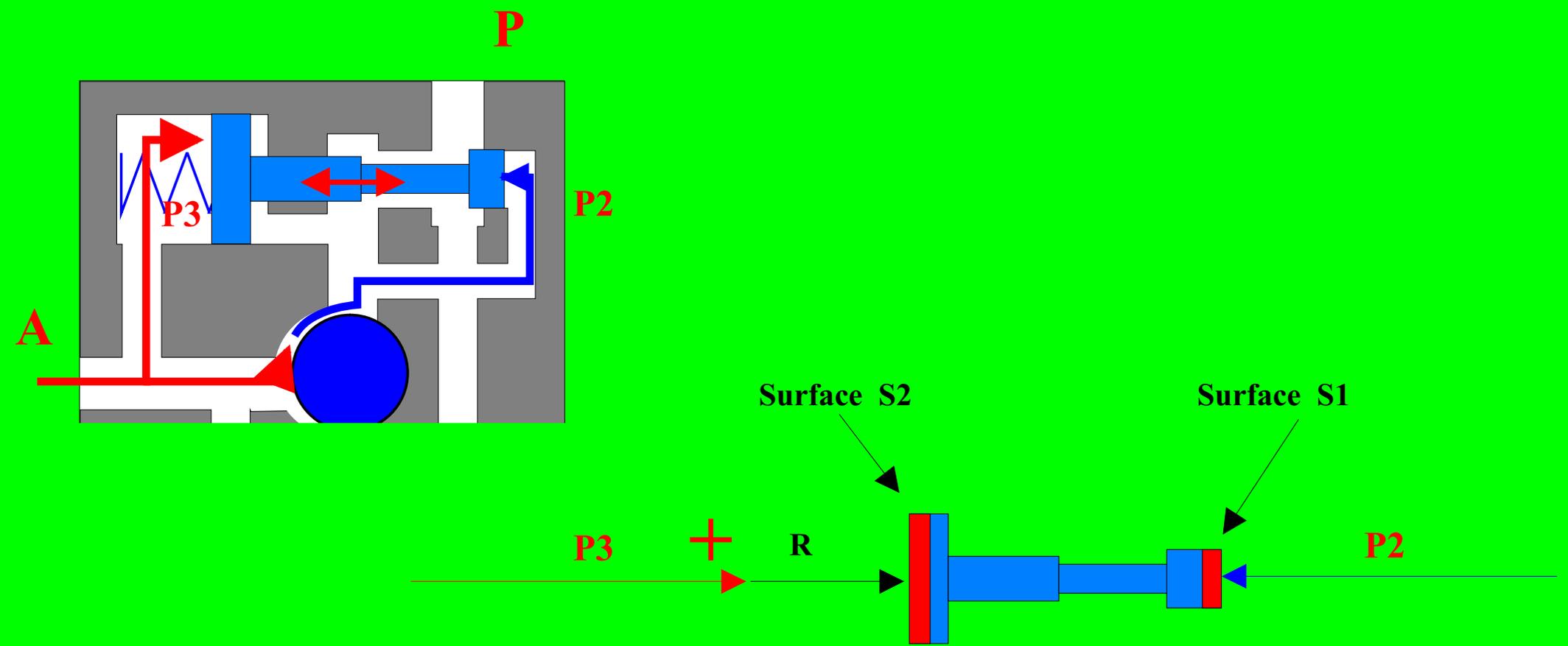
Pression du ressort

Une pression P3 s'exerce sur le tiroir



Une pression P2 s'exerce sur le tiroir





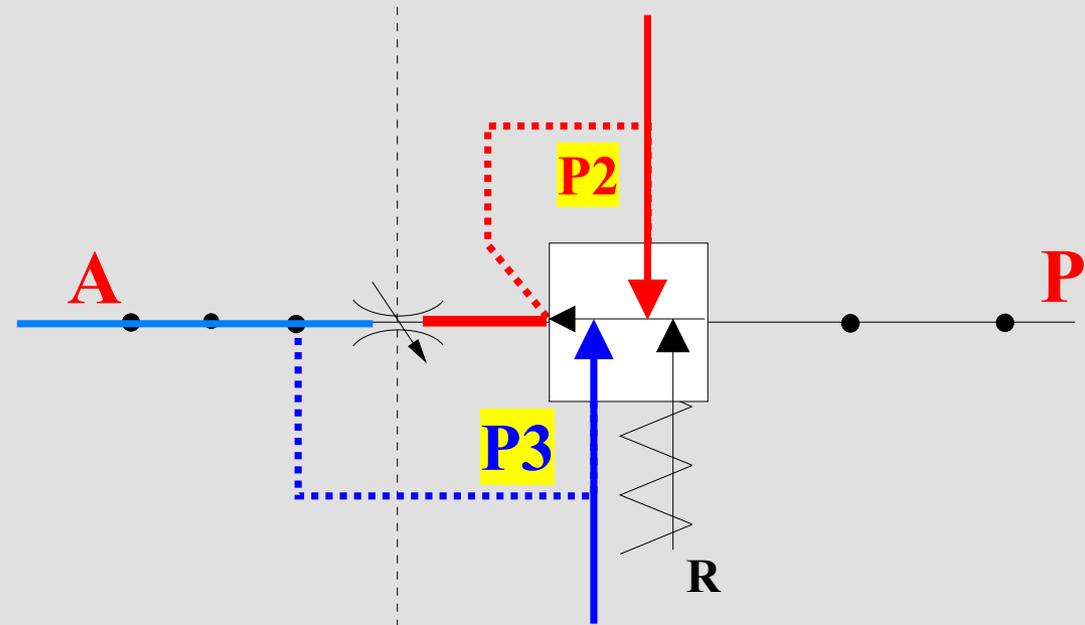
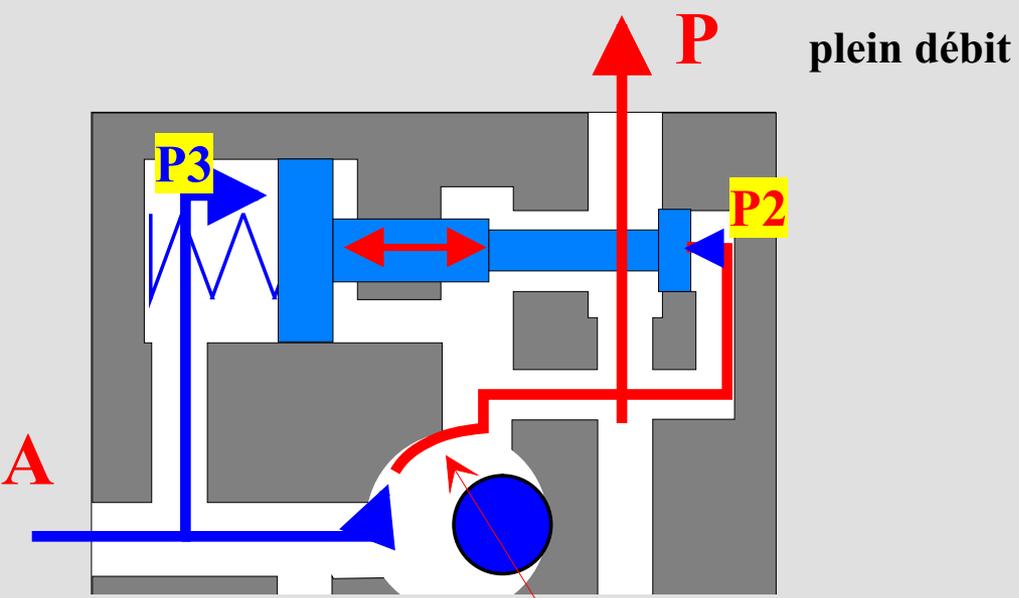
$$R \text{ (force du ressort)} + P3 \times S2 = P2 \times S1$$

$$\text{Si } S1 = S2$$

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

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

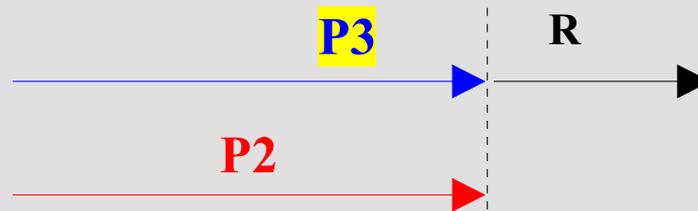
▲ P = constante
 R ← constante
 S ← constante



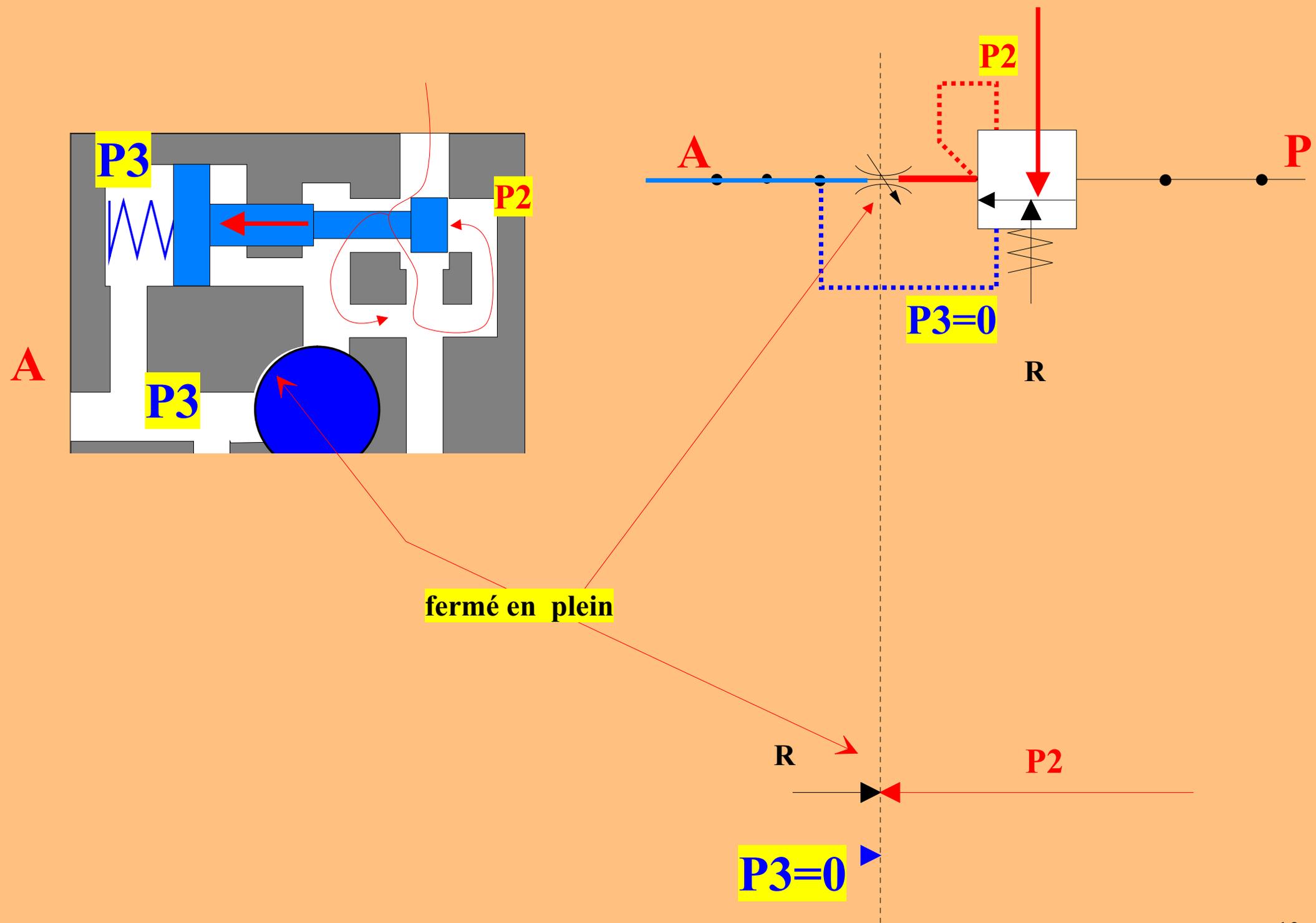
ouvert en plein

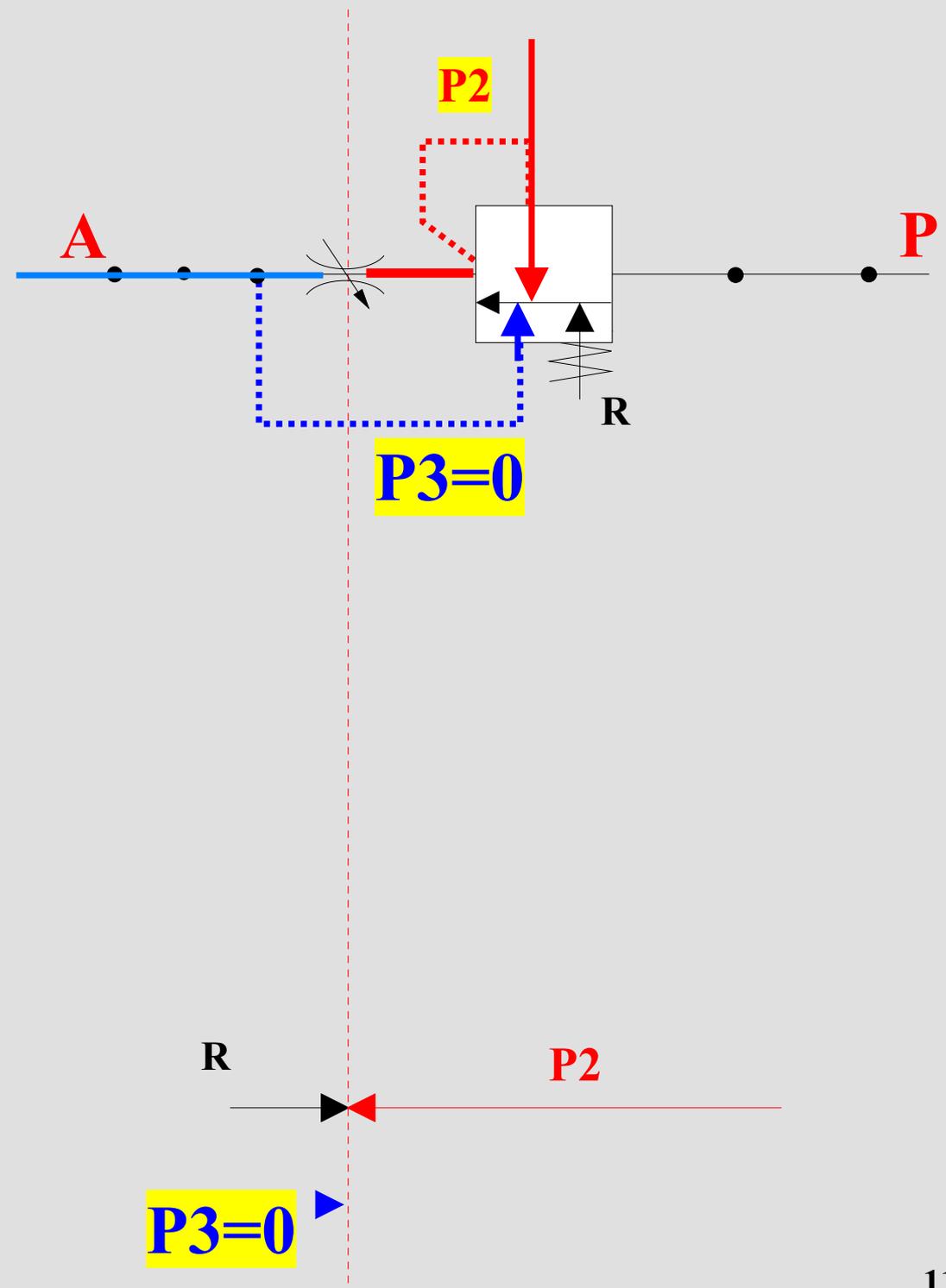
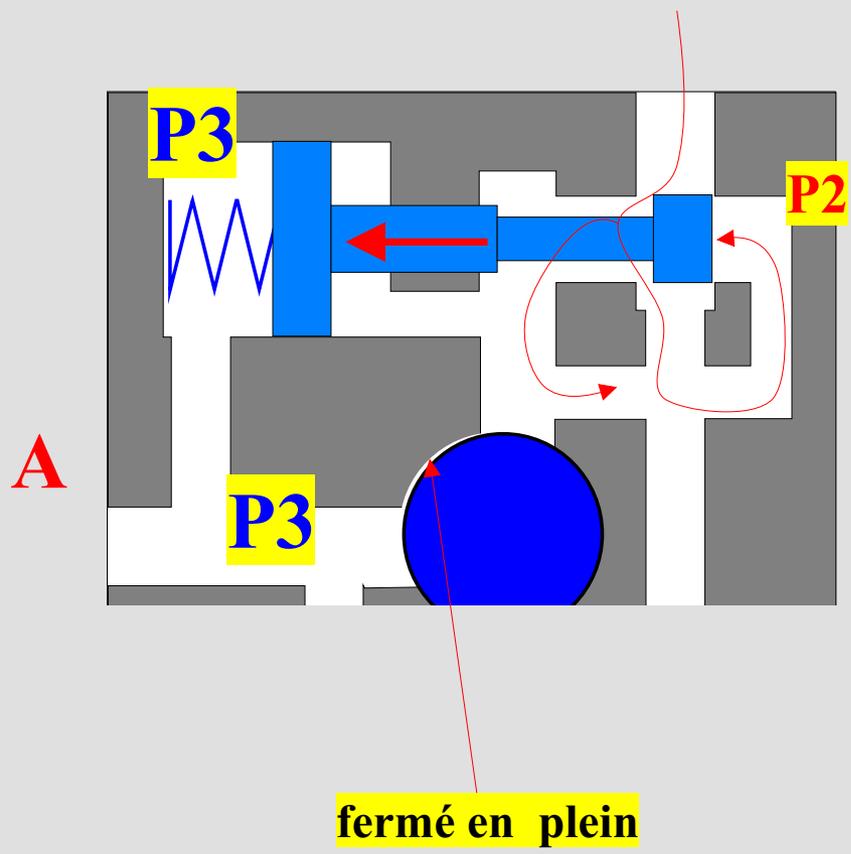
$$P2 = P3$$

Bilan des forces



Dépend de la force du ressort





THE END

Echap