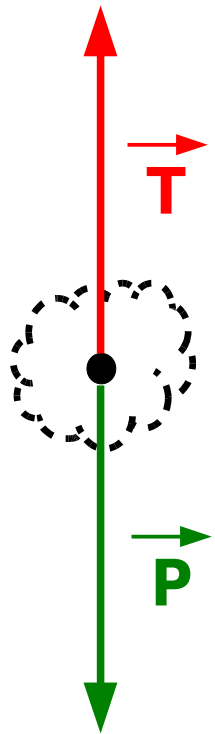
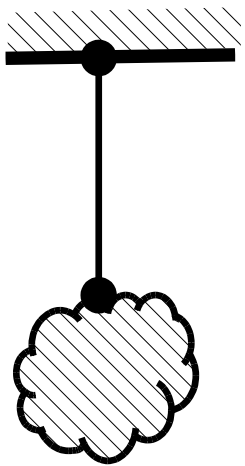


# **Principe d'inertie**

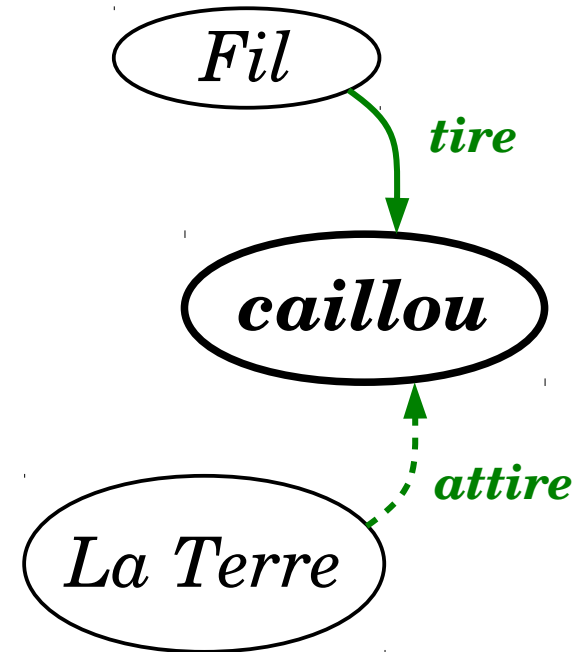
**Immuable.**



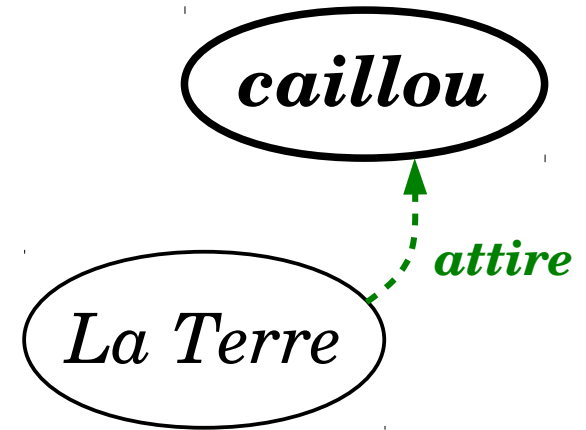
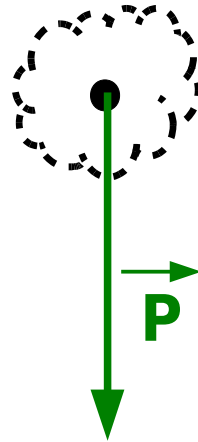
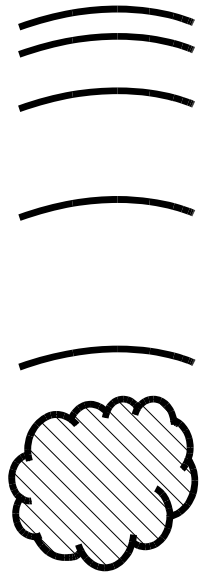
**Immuable**



**La somme des forces est nulle**

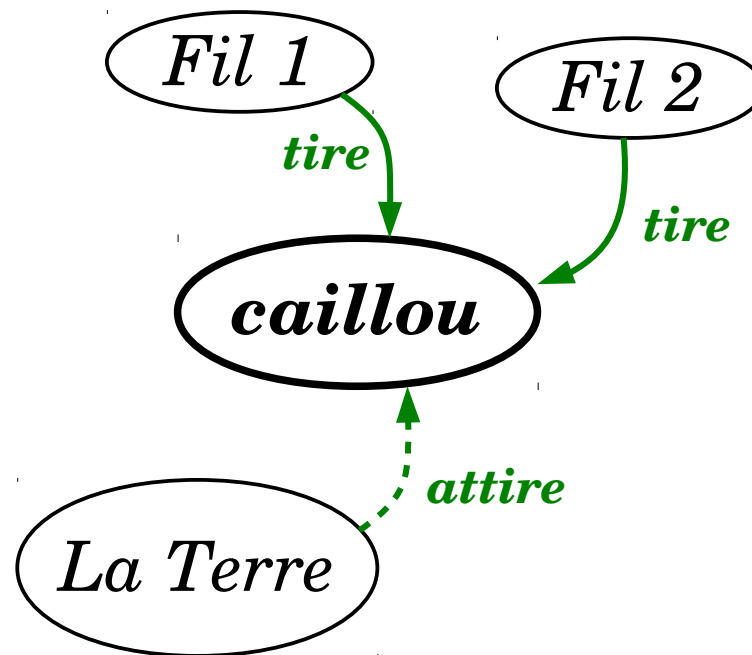
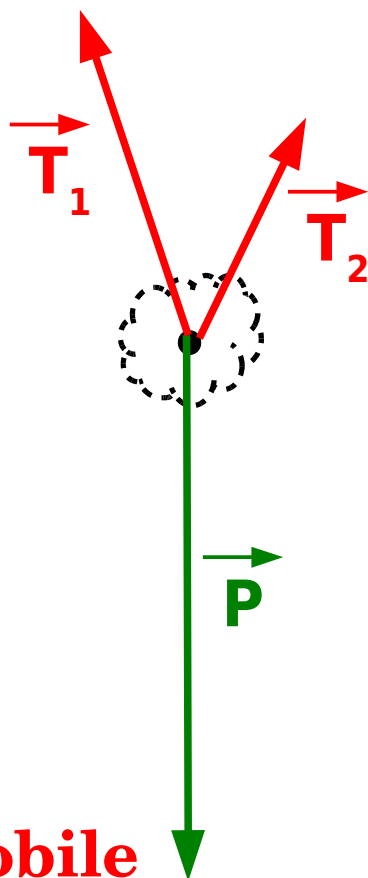
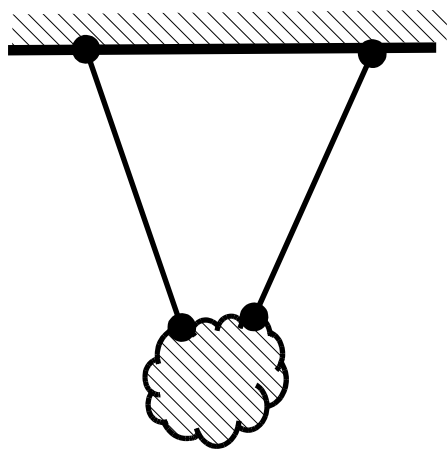


**La pierre tombe, pas de frottements..**



**La pierre n'est soumise  
qu'à son poids**

**Immuable.**

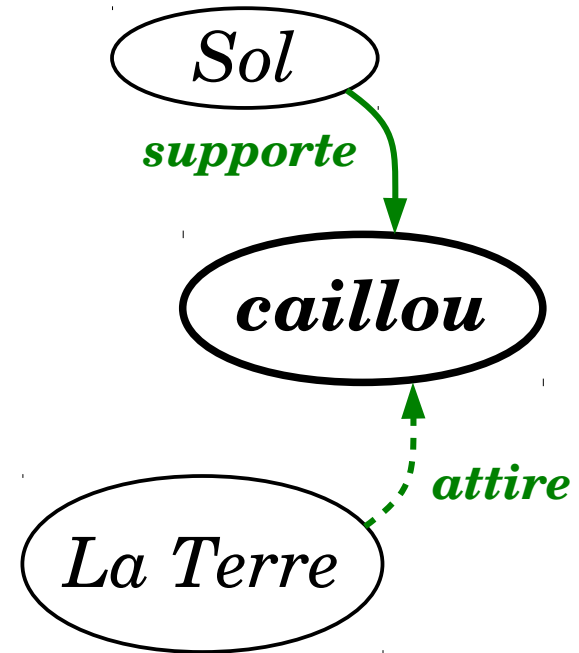
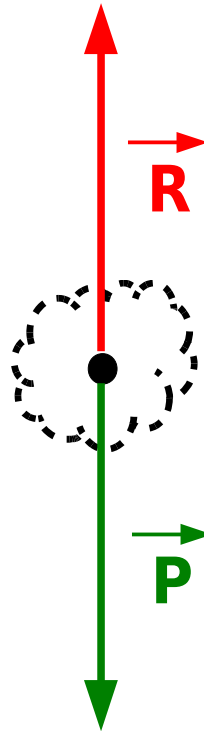
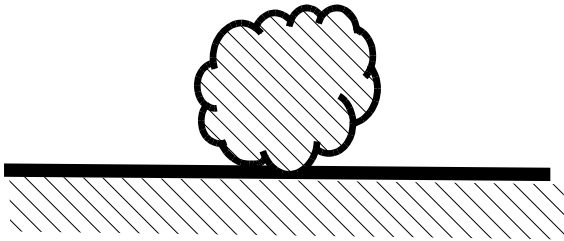


**Immuable**



**La somme des forces est nulle**

**Immuable.**

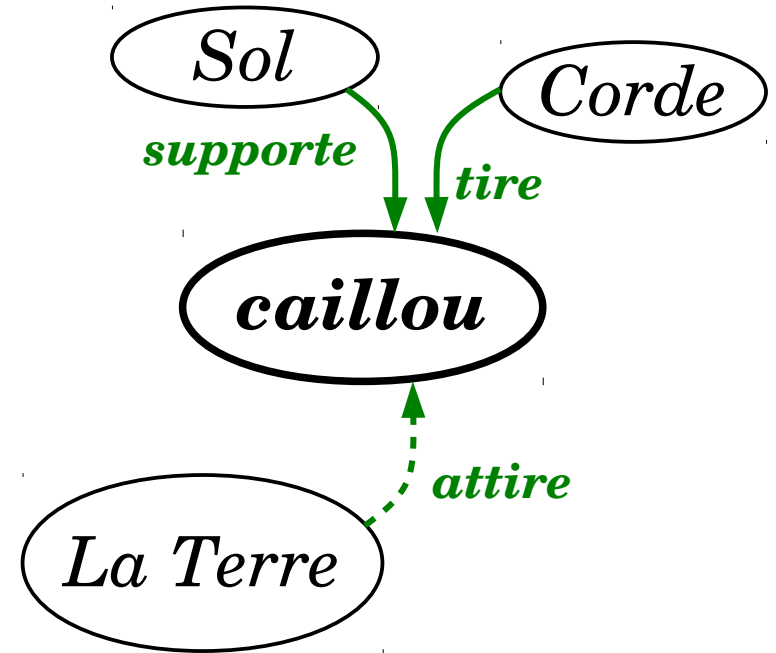
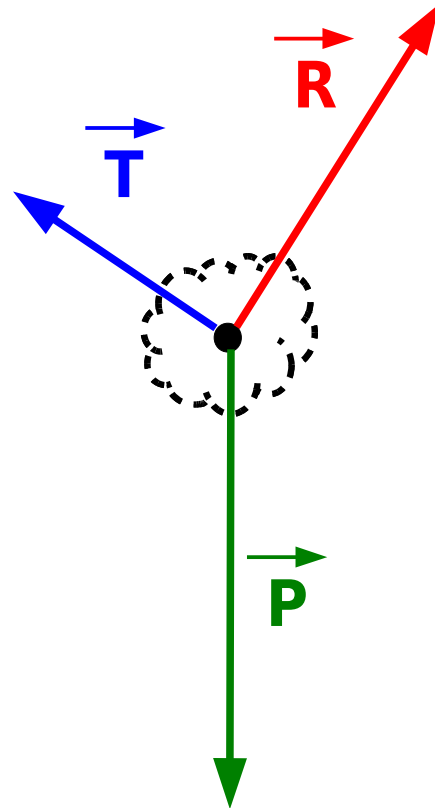
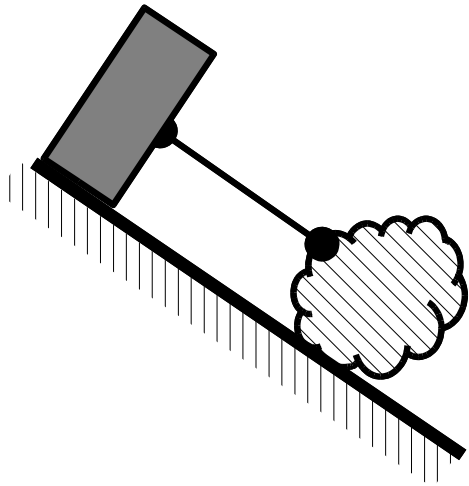


**Immuable**



**La somme des forces est nulle**

**Immuable.**

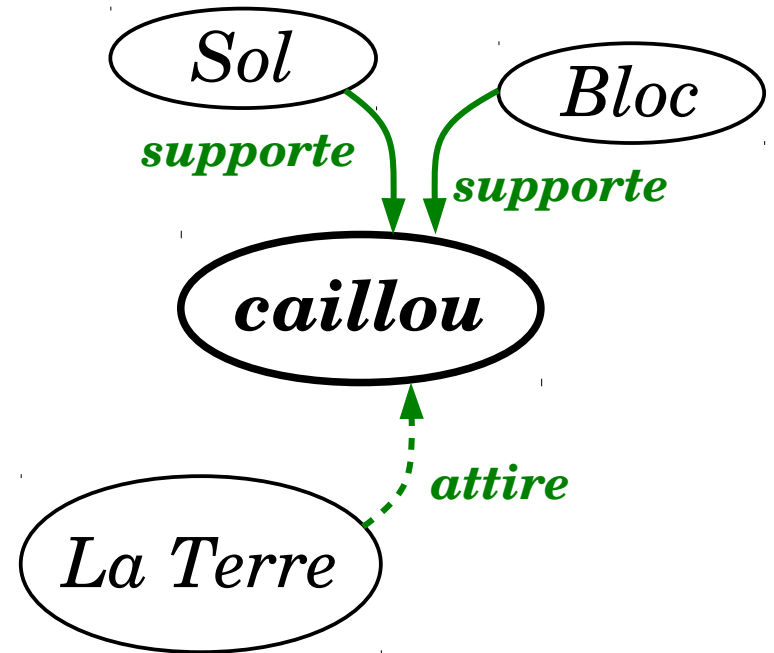
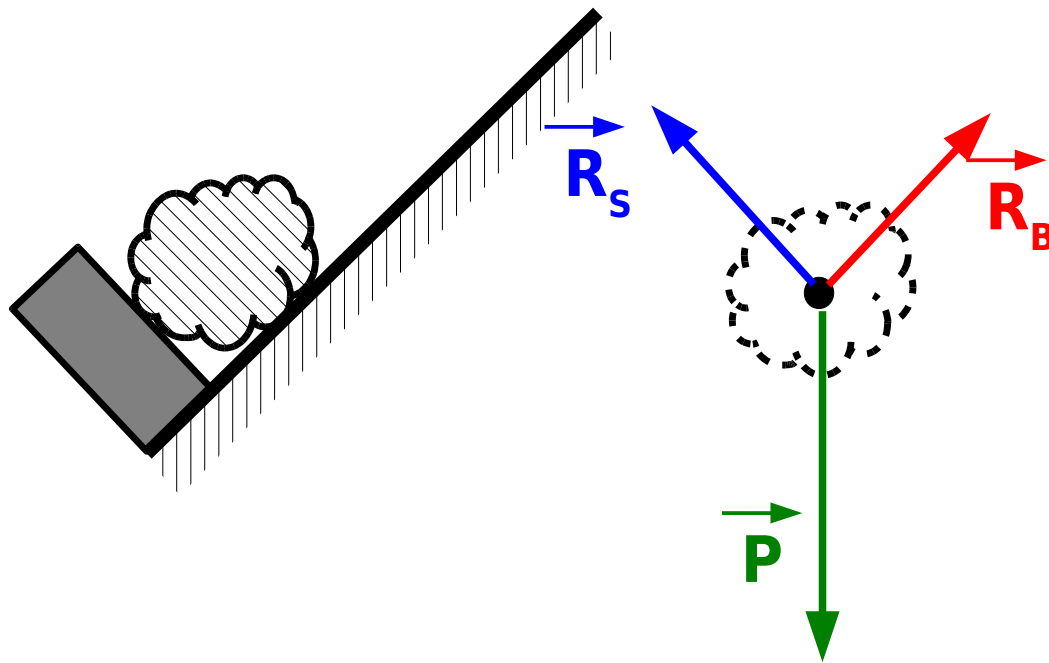


**Immuable**



**La somme des forces est nulle**

**Immuable.**

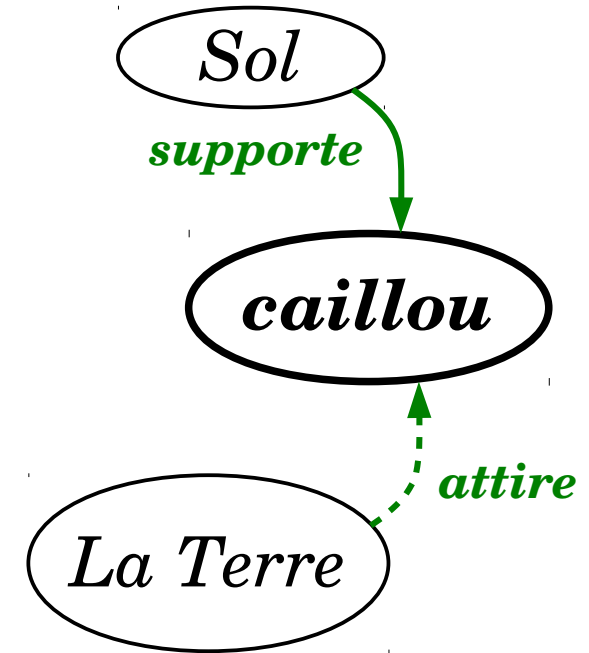
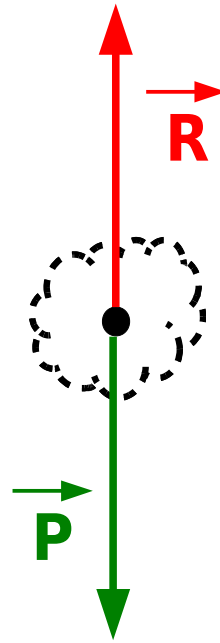
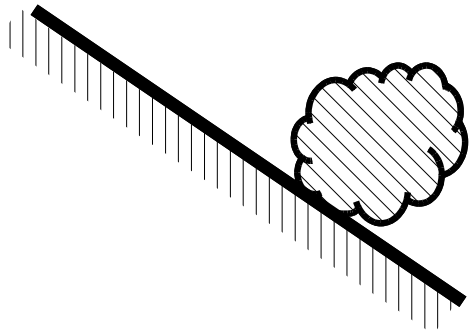


**Immuable**



**La somme des forces est nulle**

**Immuable.**

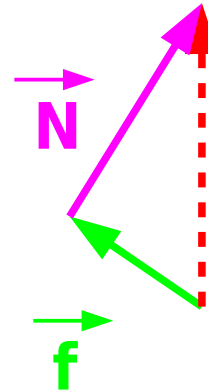


Remarque : la réaction du sol se décompose en frottement et réaction normale

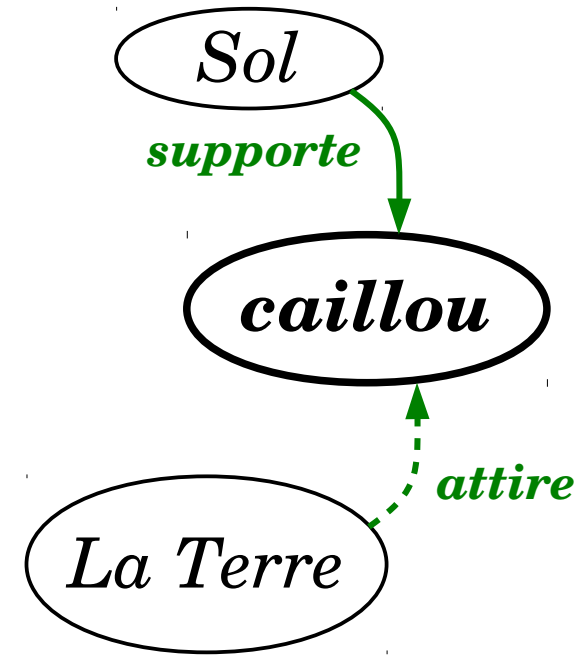
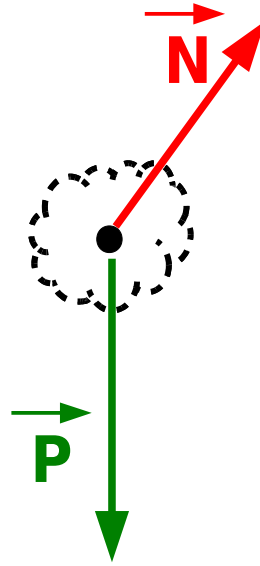
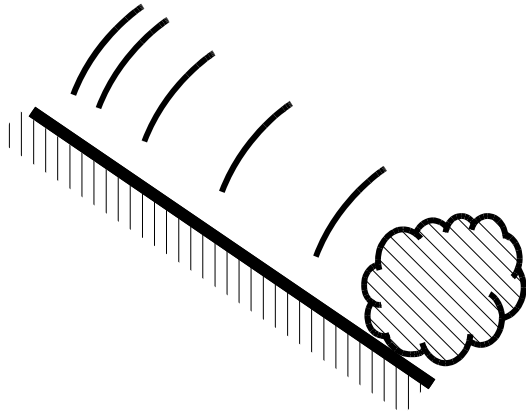
**Immuable**



**La somme des forces est nulle**



## Glissement sans frottements.

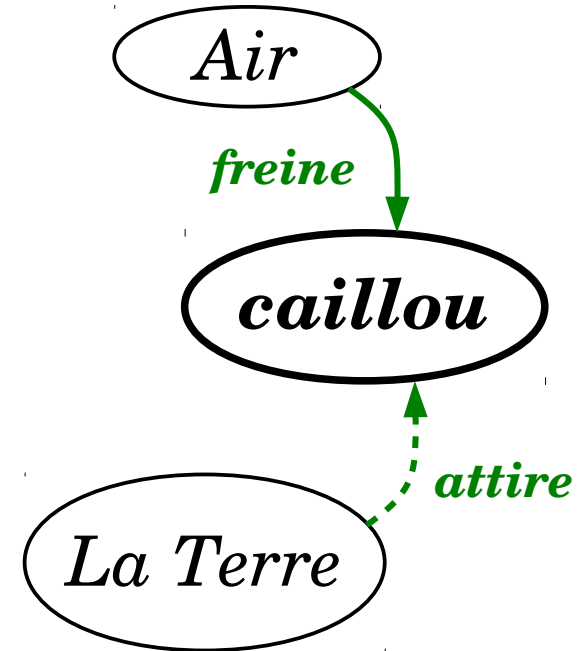
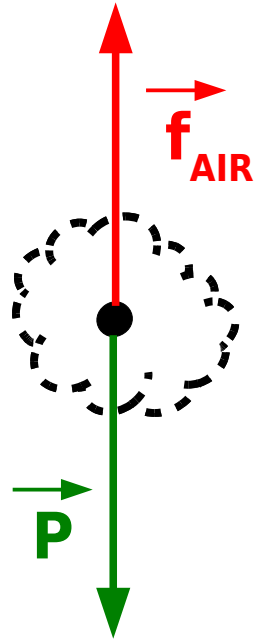
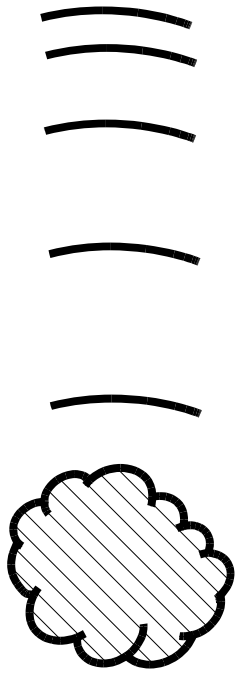


**Pas de frottement**



**La réaction du sol est perpendiculaire,  
la somme des forces est parallèle au sol.**

# Chute à vitesse constante.

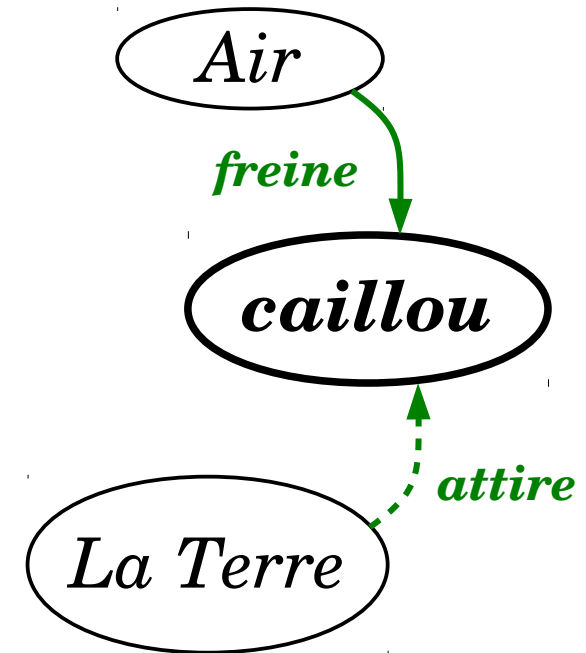
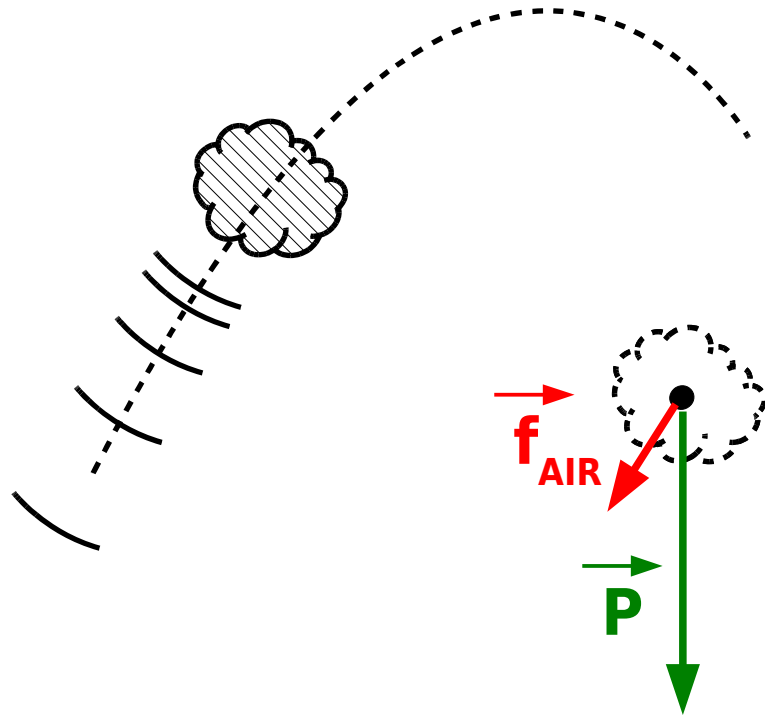


**Vitesse constante + trajectoire rectiligne**



**La somme des forces est nulle**

# Trajectoire parabolique, mouvement ascendant

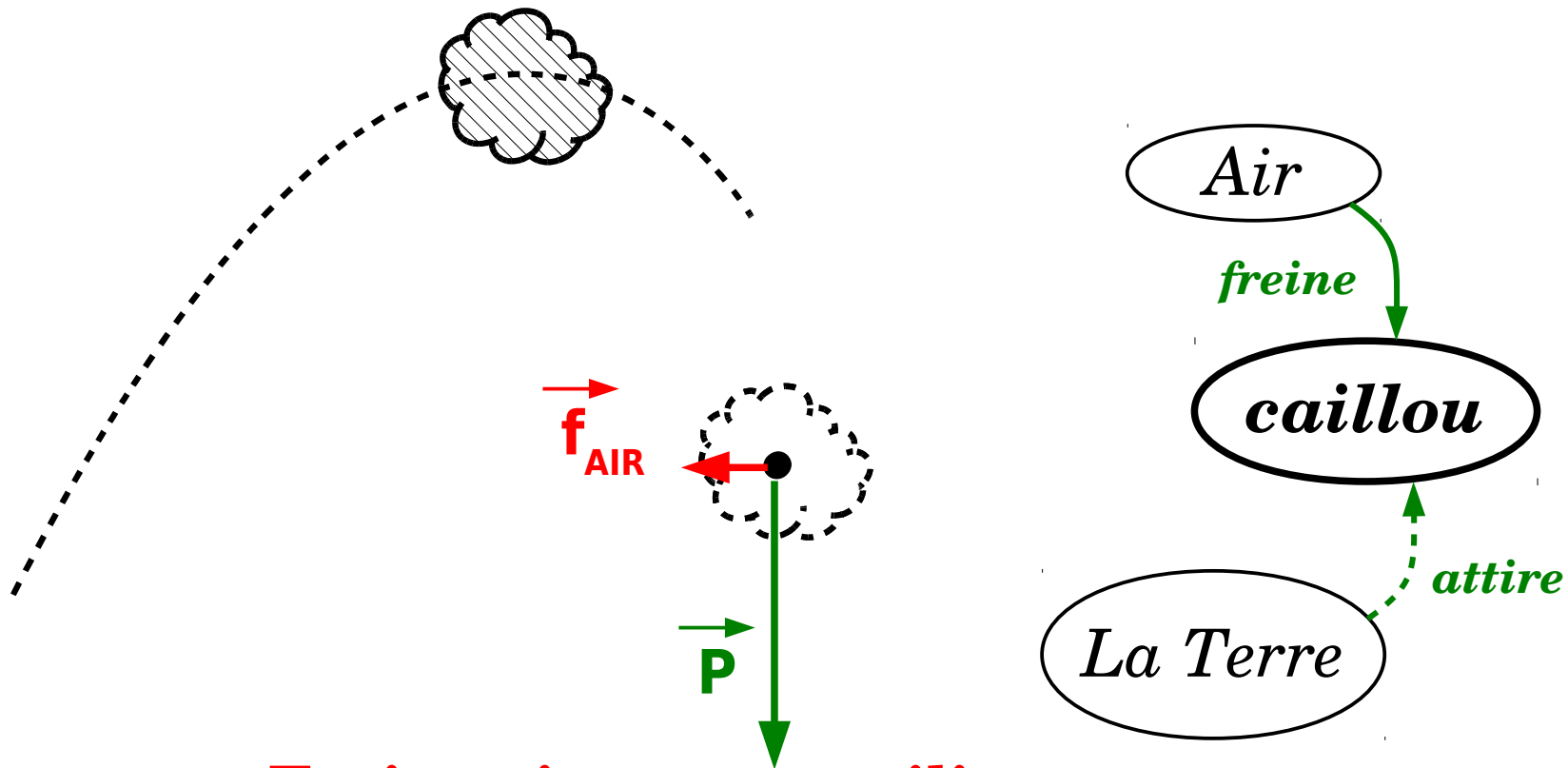


Trajectoire non rectiligne



La somme des forces n'est pas nulle

# Sommet d'une trajectoire parabolique

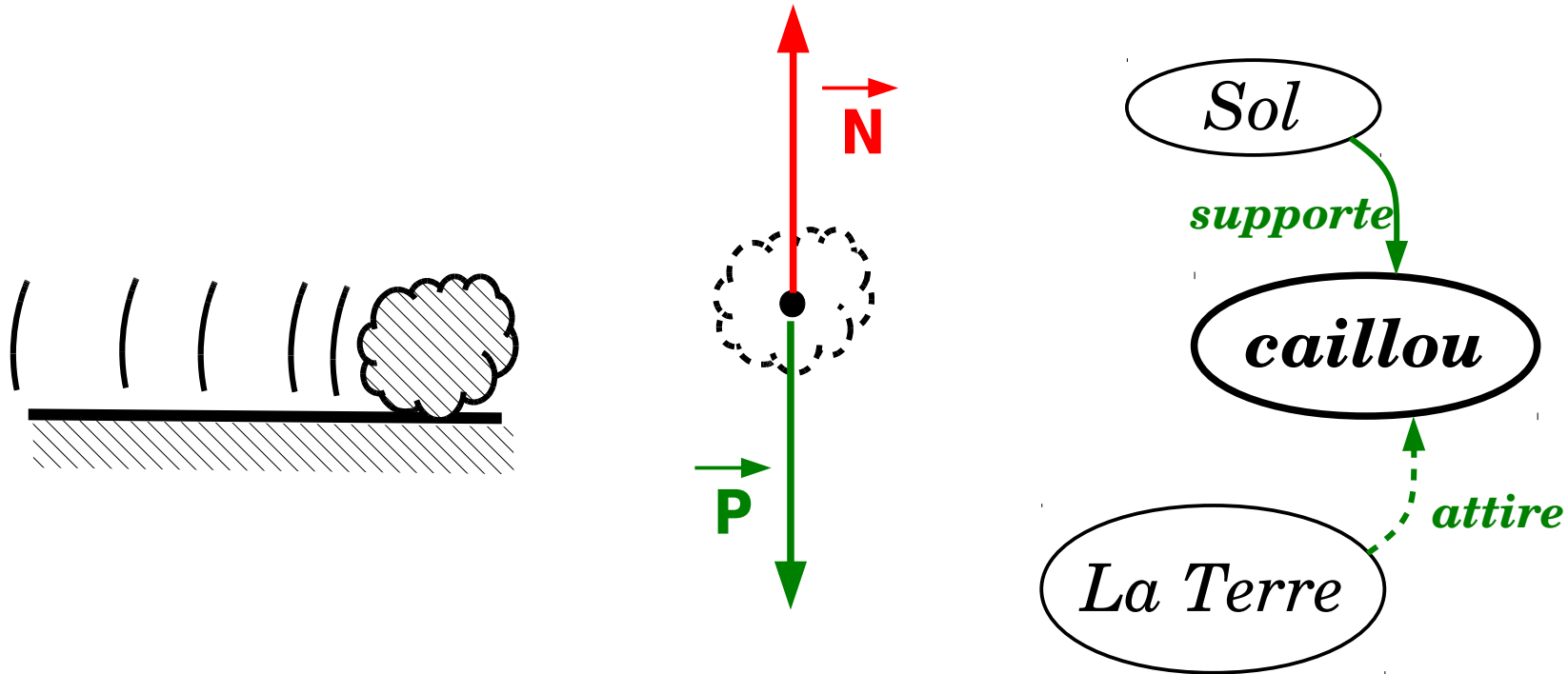


Trajectoire non rectiligne



La somme des forces n'est pas nulle

# Glissement à vitesse constante, sans frottement.

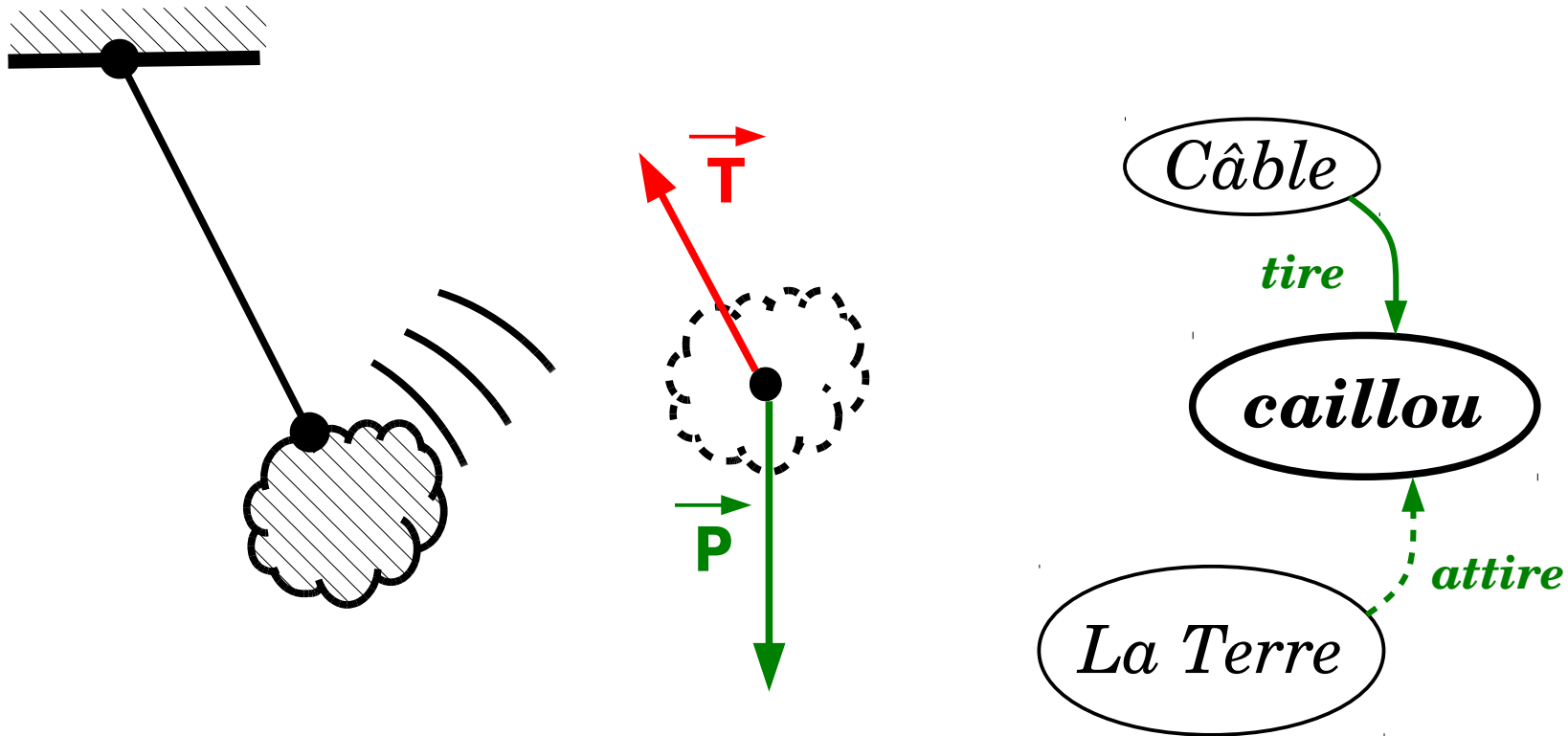


**Trajectoire rectiligne, vitesse constante**



**La somme des forces est nulle**

# Oscillation au bout d'une corde, pas de frottements



**Trajectoire non rectiligne, vitesse non constante**



**La somme des forces n'est pas nulle**