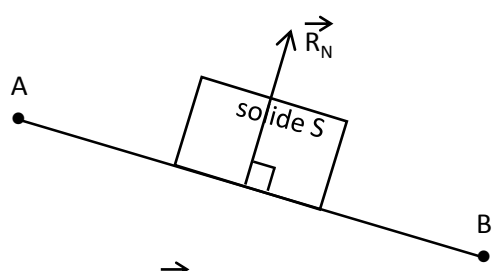
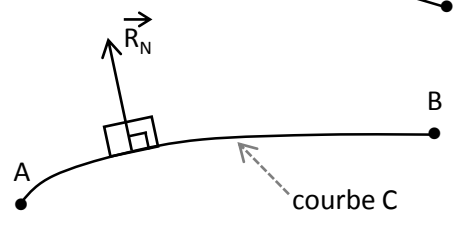


- Travail de la force: réaction du support \vec{R}_N :

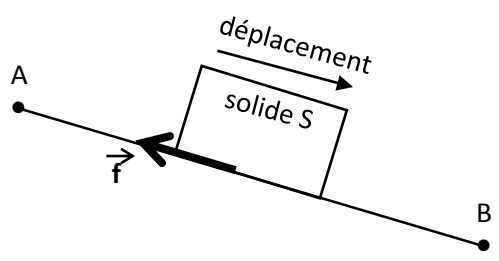


$$W_{AB}(\vec{R}_N) = 0$$

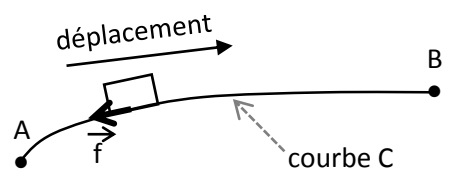


$W_{\text{courbe C}}(\vec{R}_N) = 0$ car \vec{R}_N perpendiculaire au déplacement à chaque instant.

- Travail de la force de frottement \vec{f} .



$$W_{AB}(\vec{f}) = -f \times AB$$



$W_{\text{courbe C}}(\vec{f}) = -f \times \text{longueur courbe C}$ car \vec{f} est opposée au déplacement à chaque instant.