

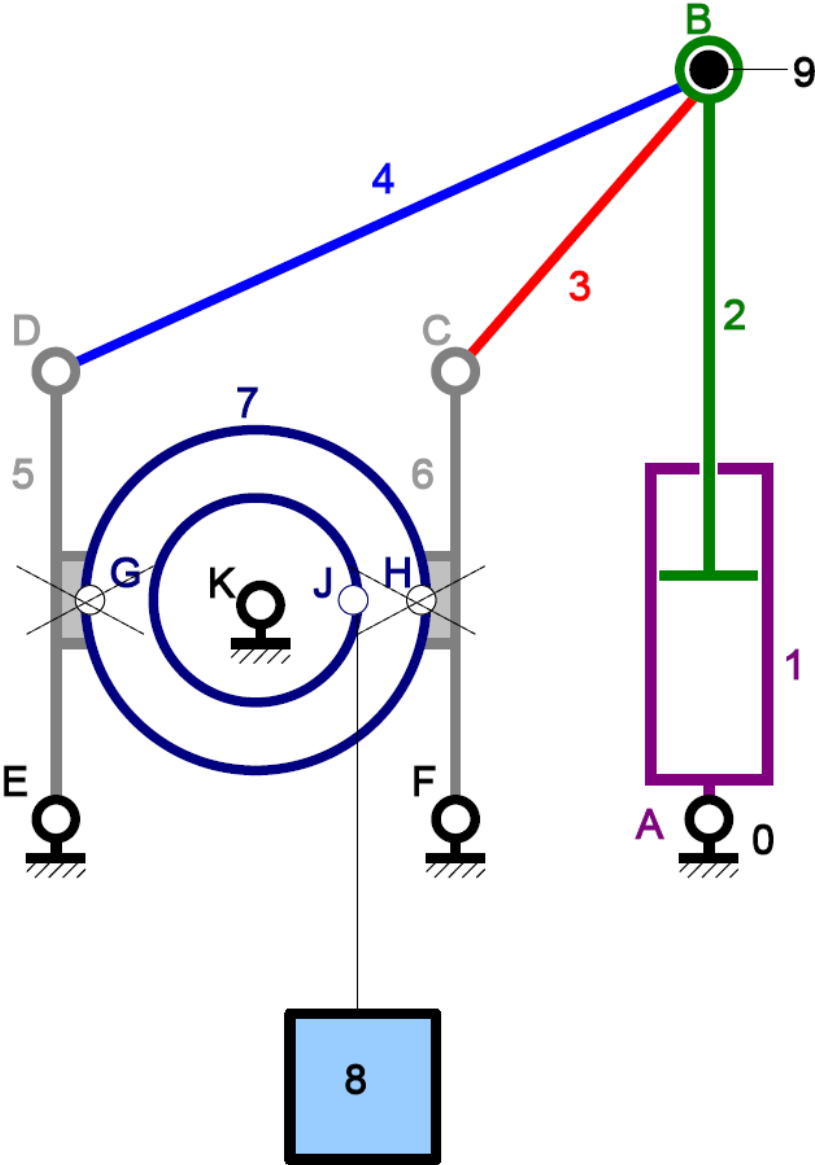
## **TD systèmes mécaniques – PFS avec prise en compte des frottements**

# Systeme de freinage d'une grue portuaire

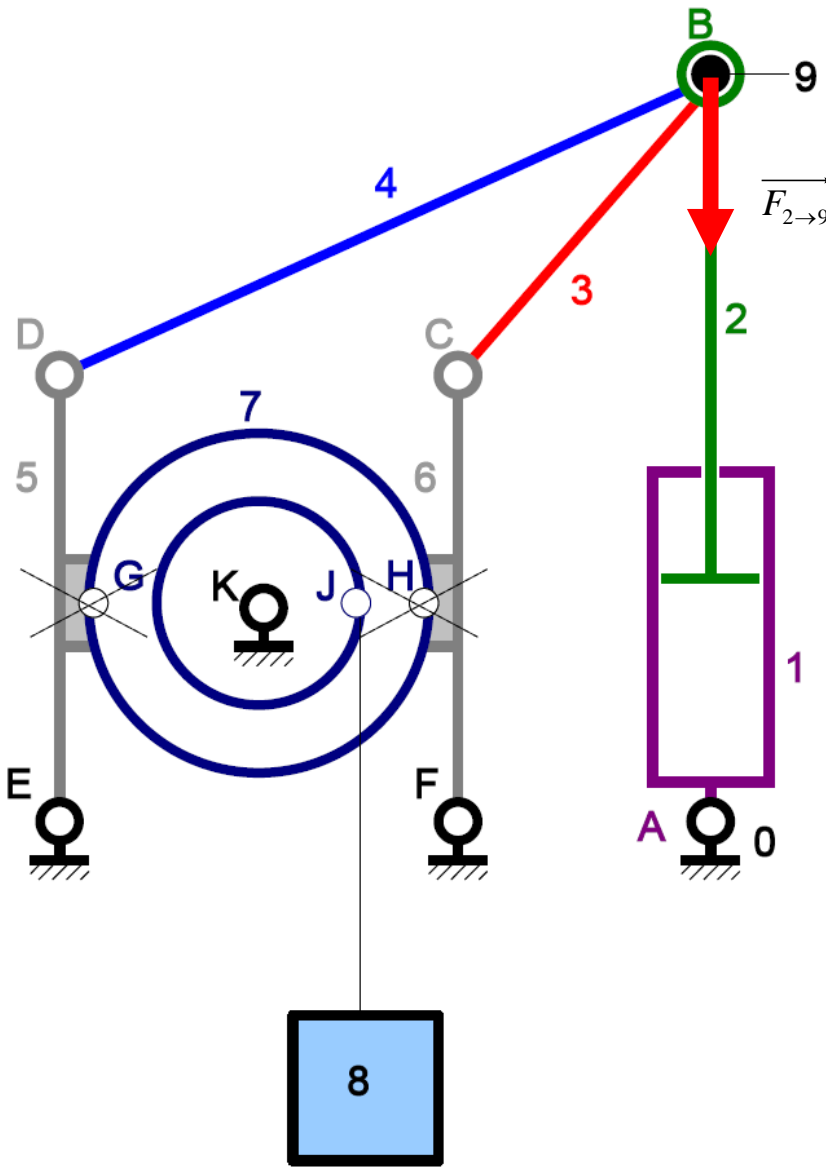


Frein de sécurité

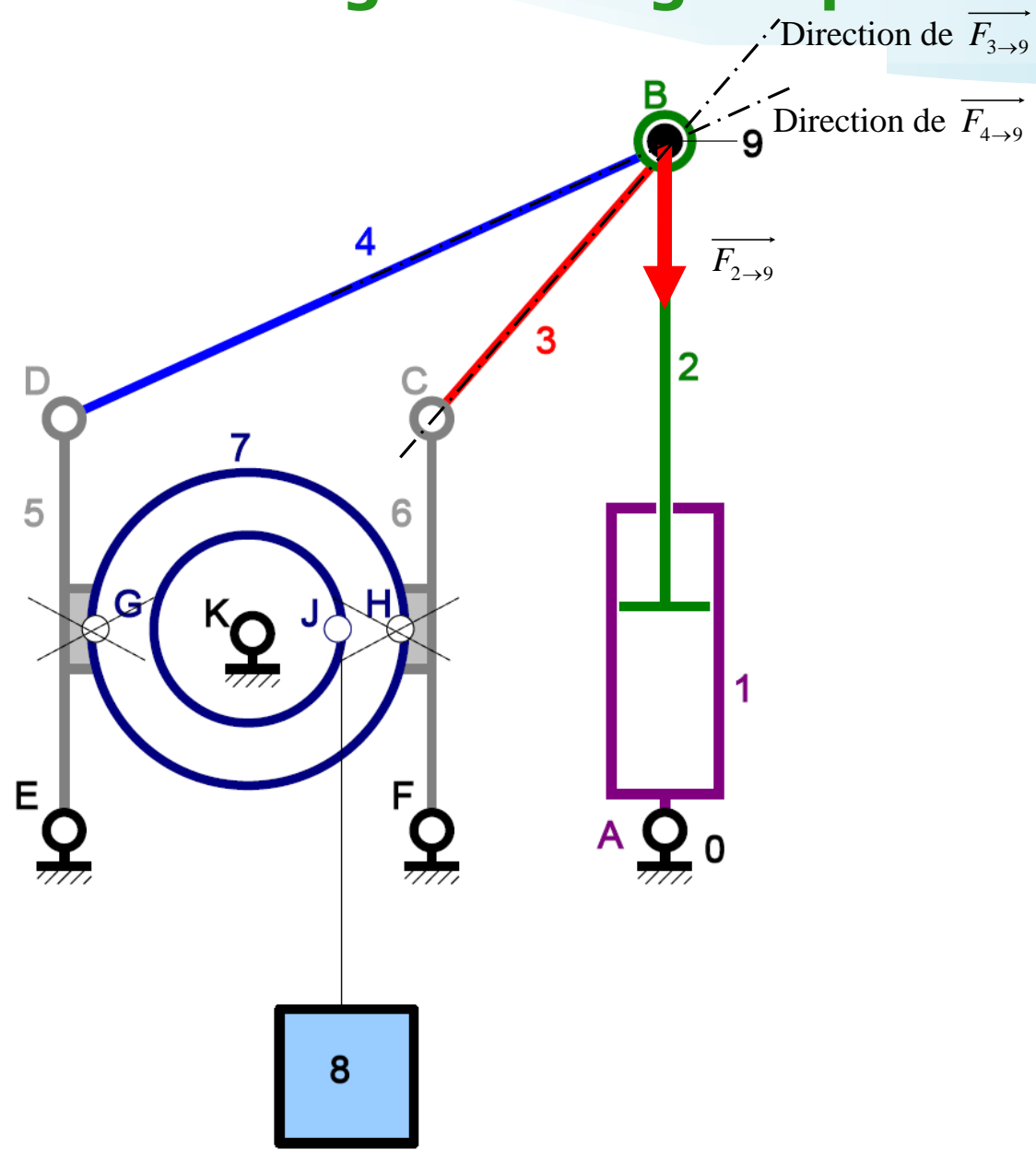
# Système de freinage d'une grue portuaire



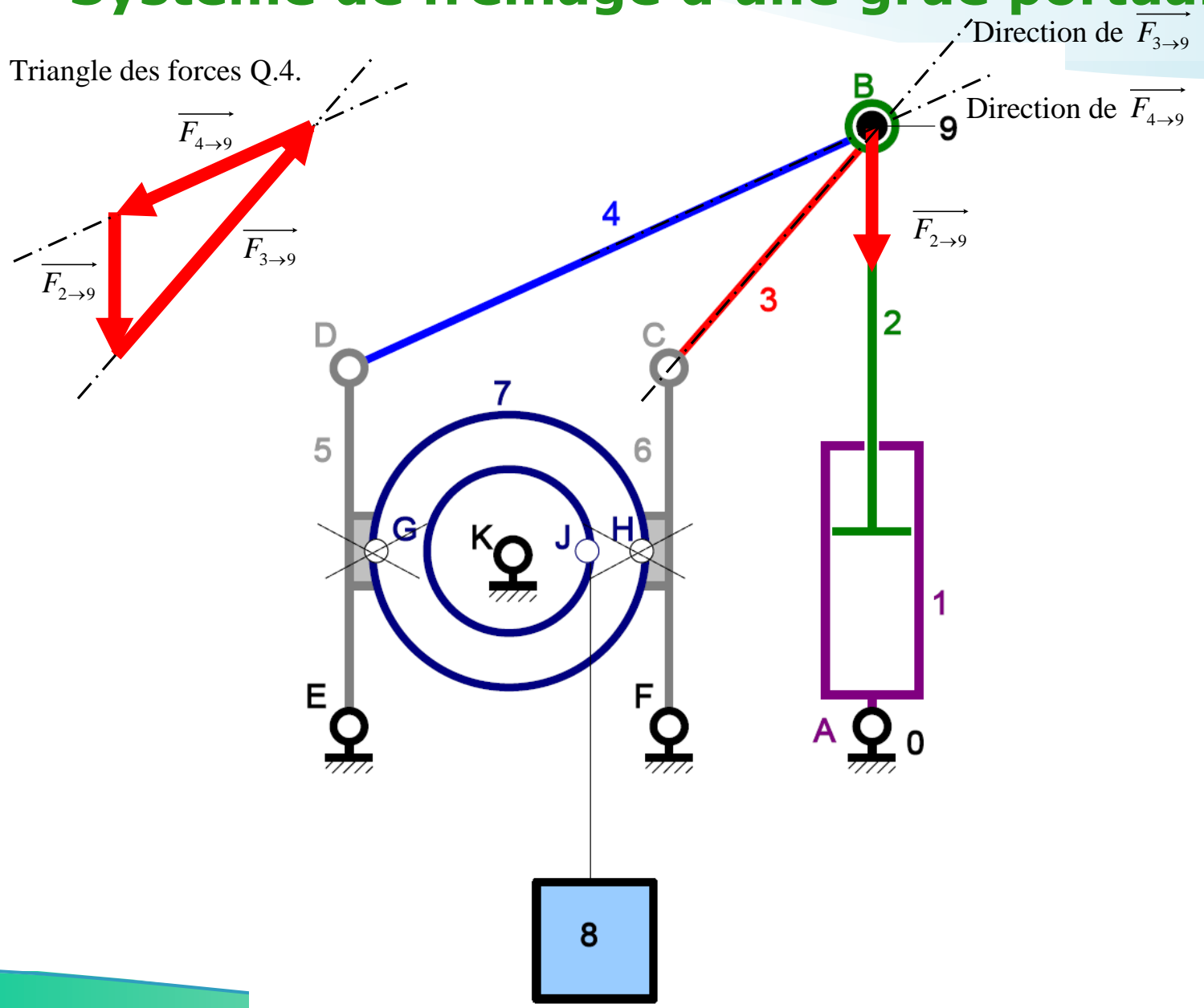
# Système de freinage d'une grue portuaire



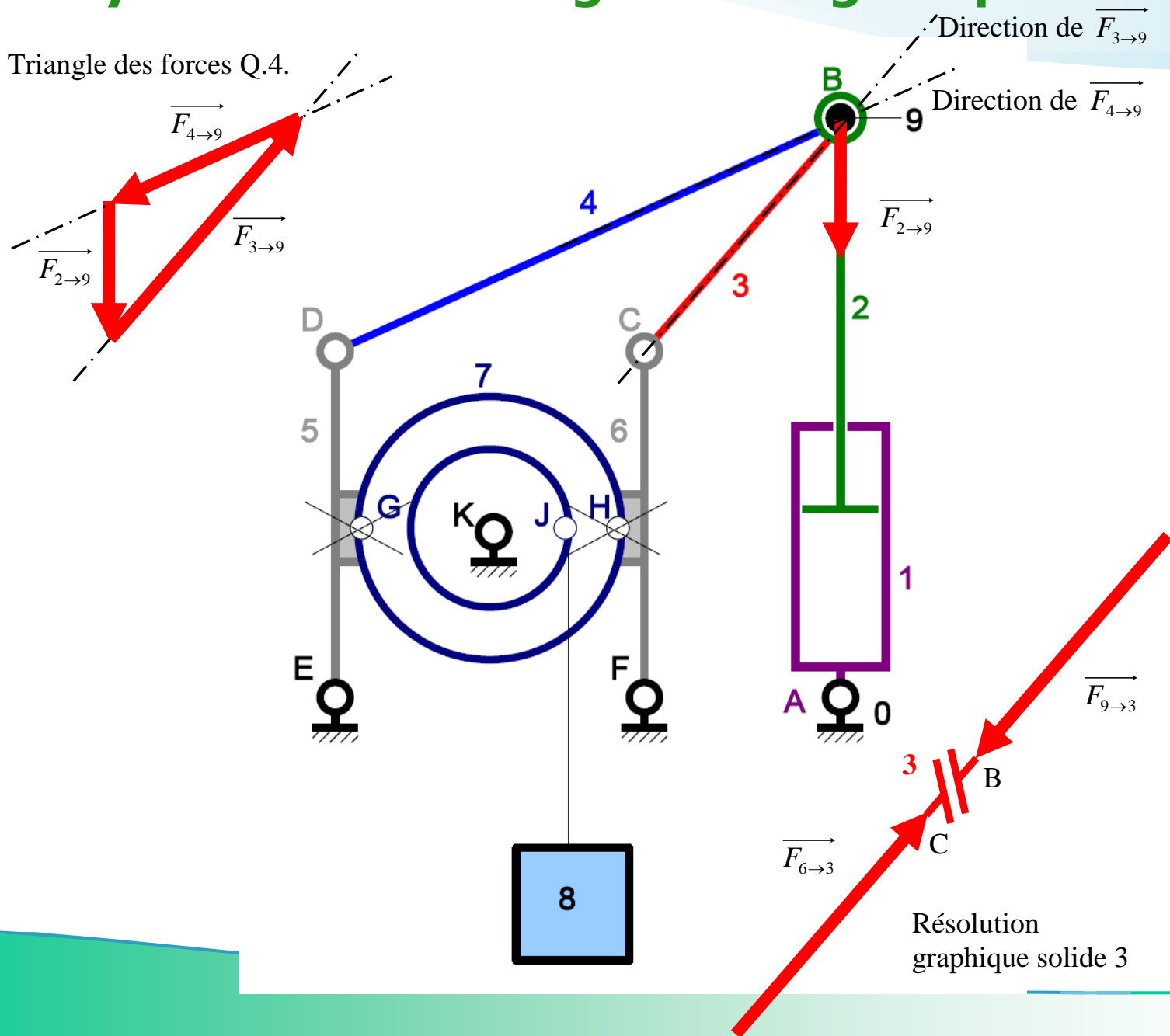
# Système de freinage d'une grue portuaire



# Système de freinage d'une grue portuaire



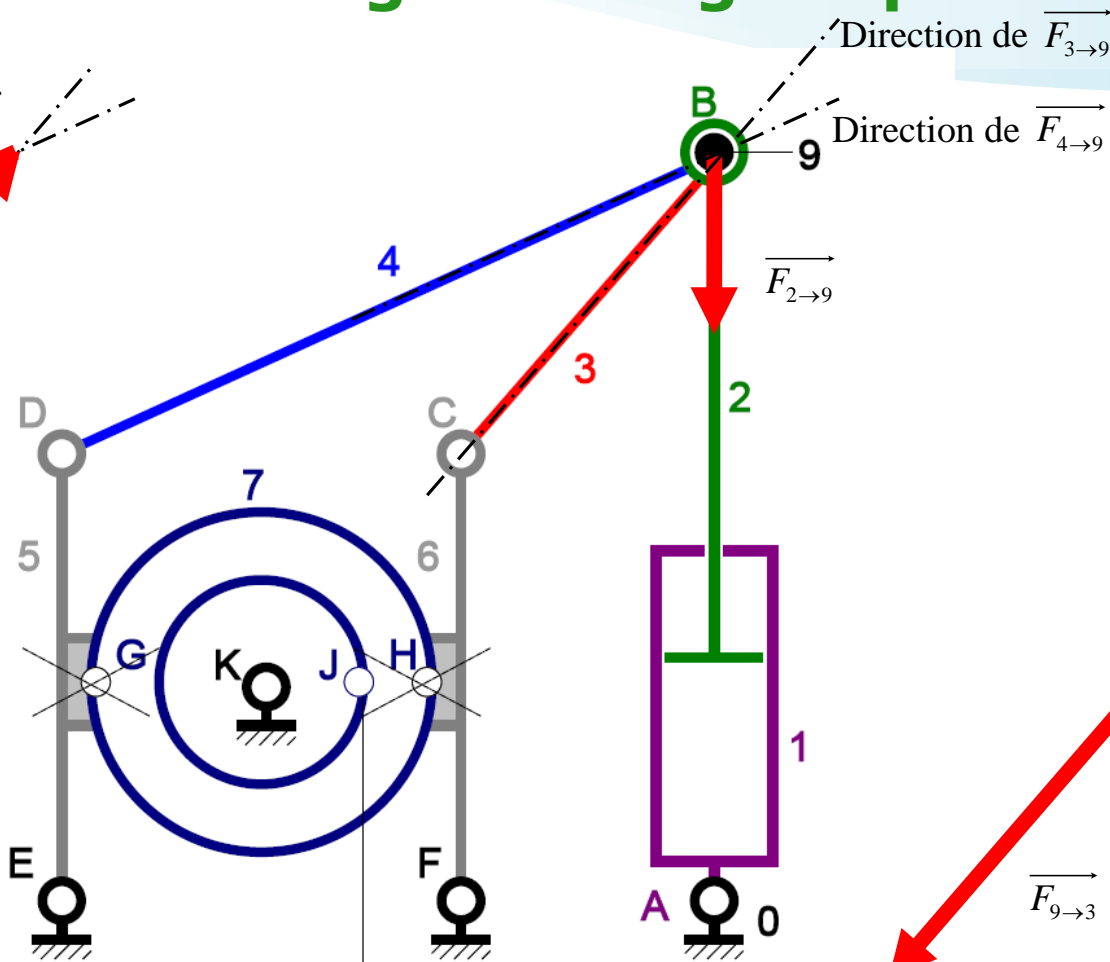
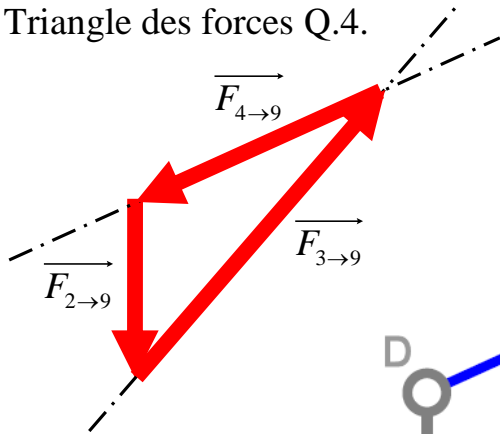
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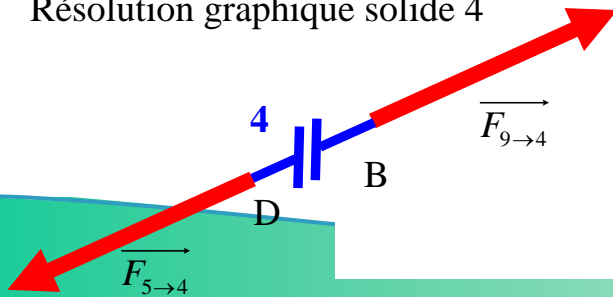
Résolution  
graphique solide 3

# Système de freinage d'une grue portuaire

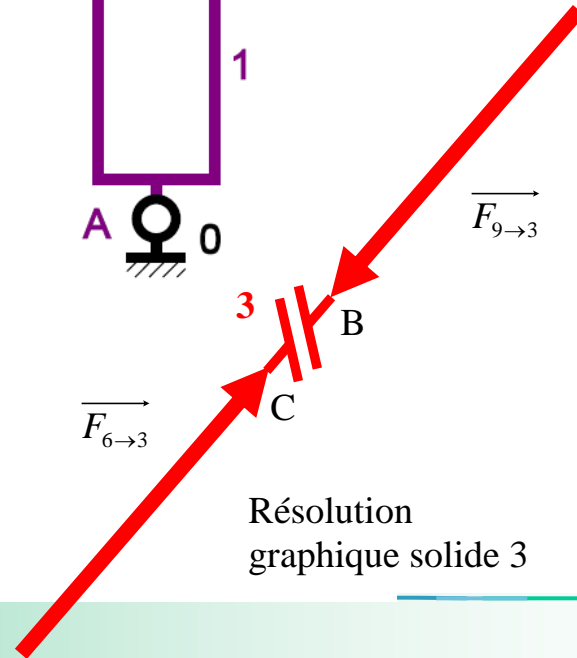
Triangle des forces Q.4.



Résolution graphique solide 4



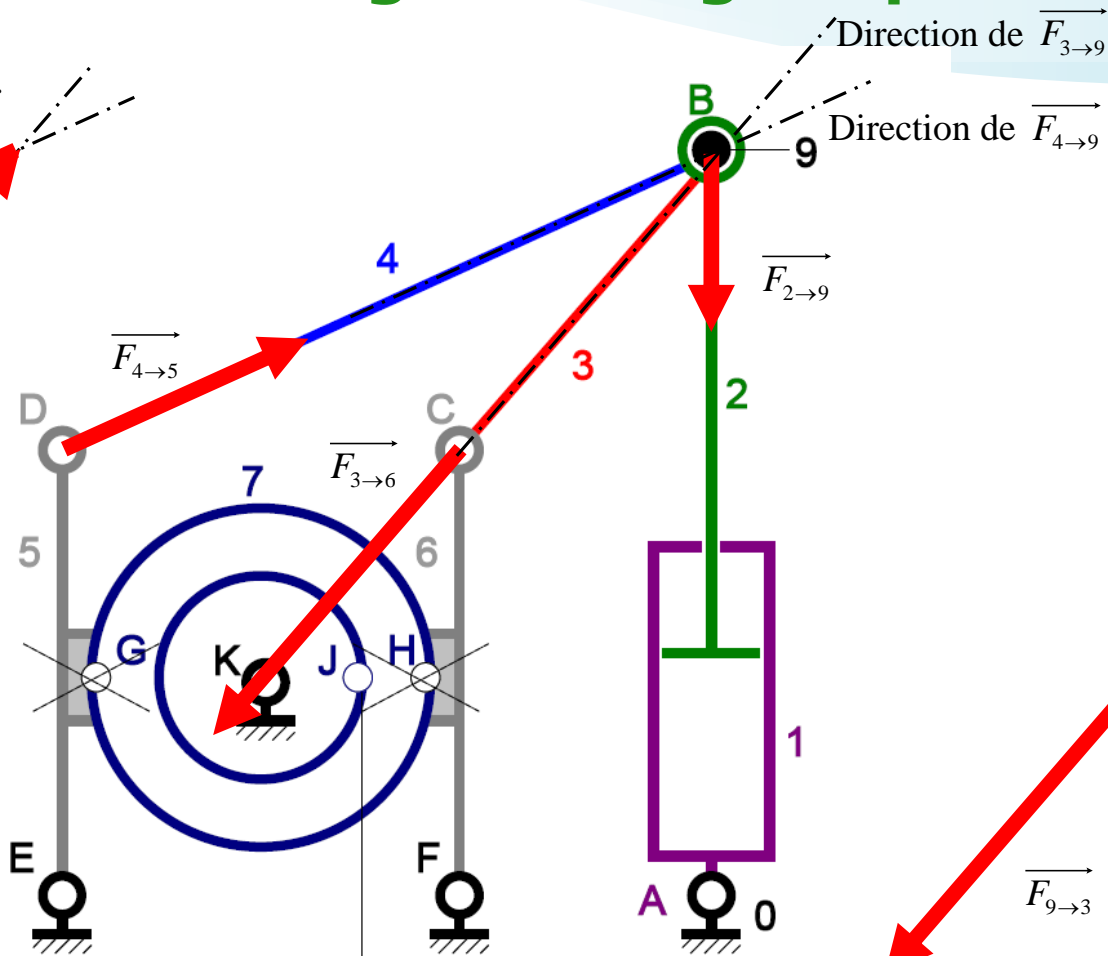
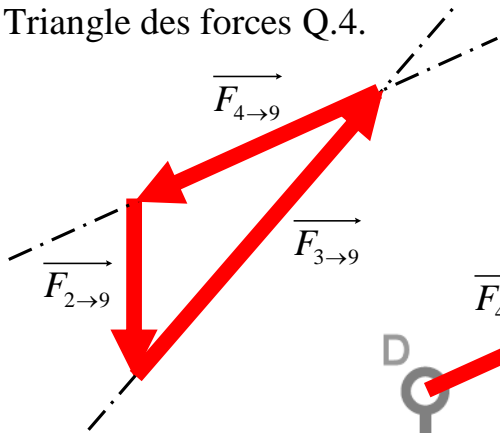
Résolution graphique solide 3



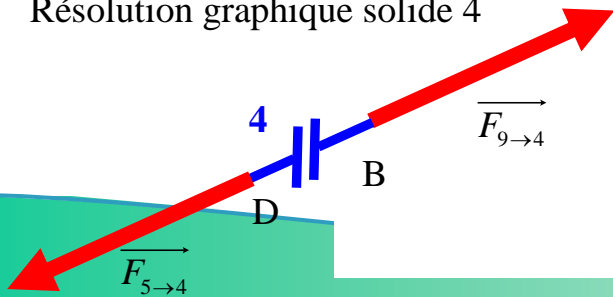


# Système de freinage d'une grue portuaire

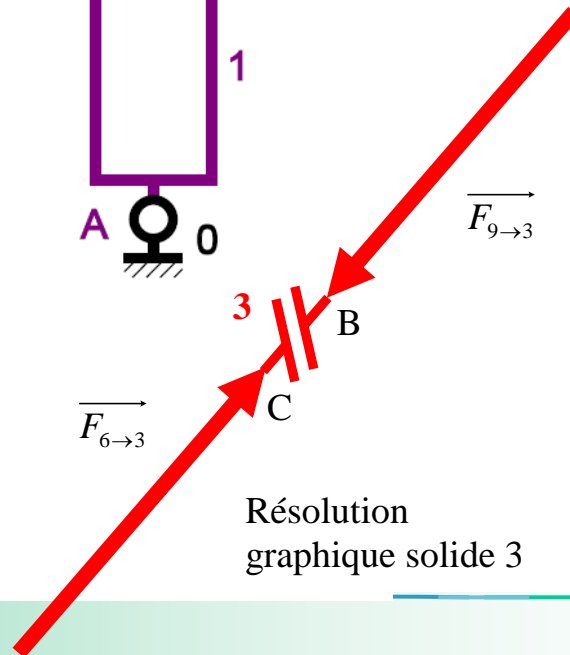
Triangle des forces Q.4.



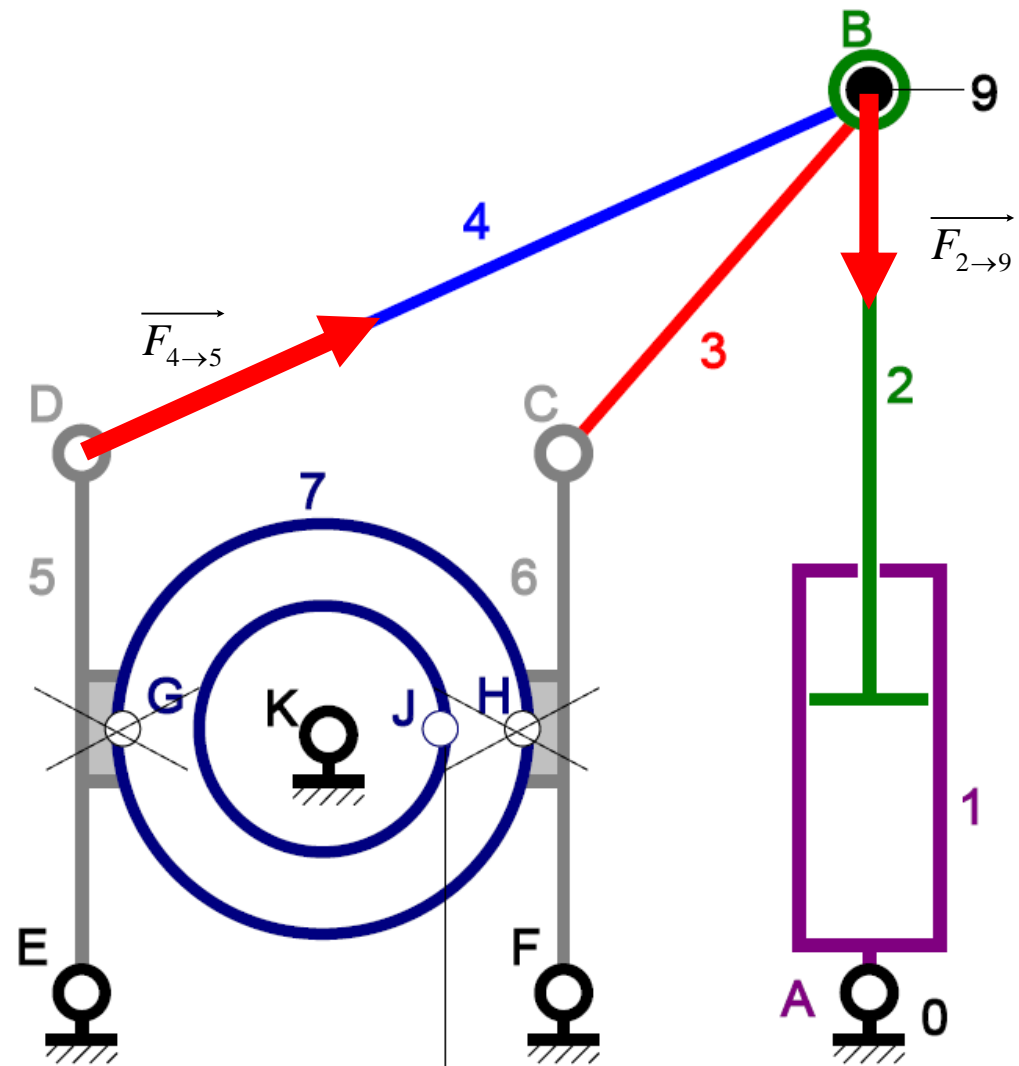
Résolution graphique solide 4



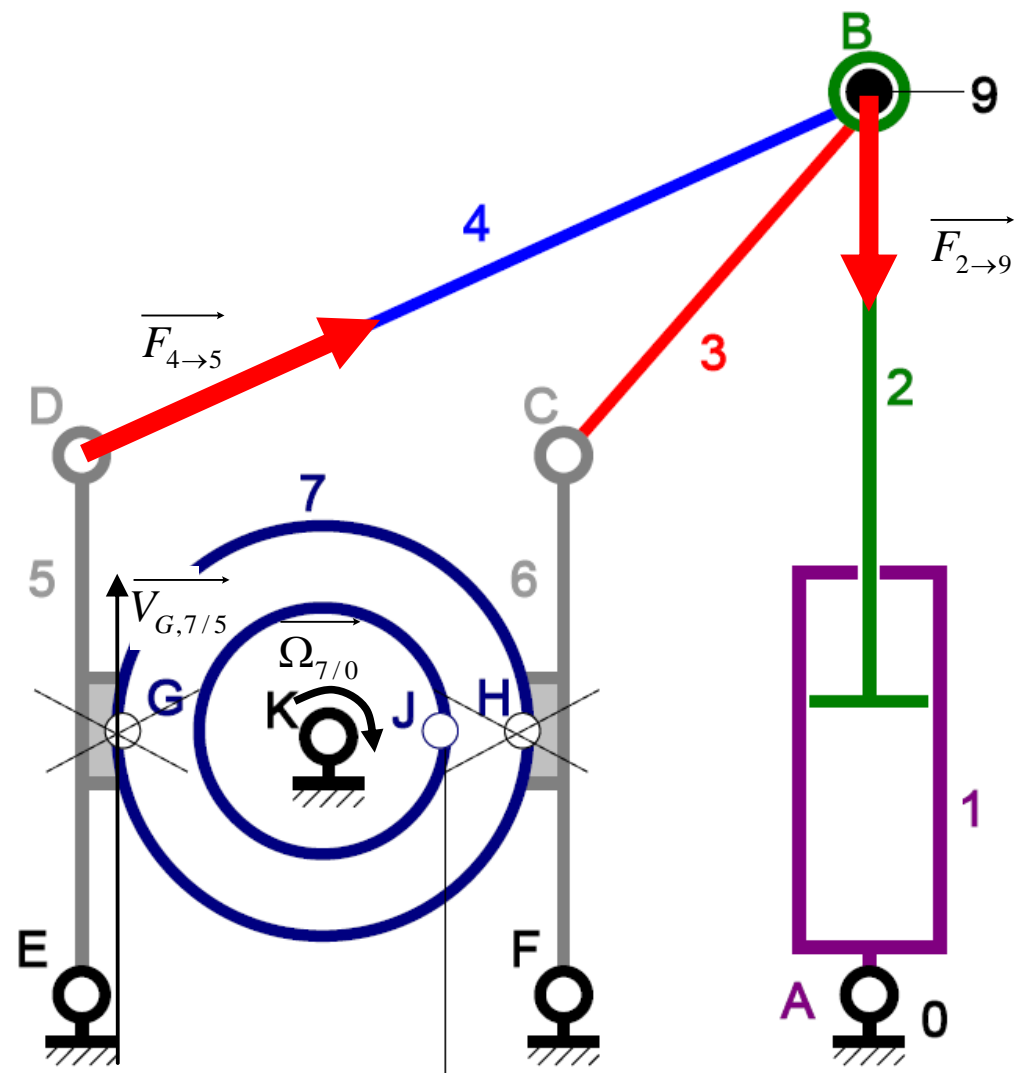
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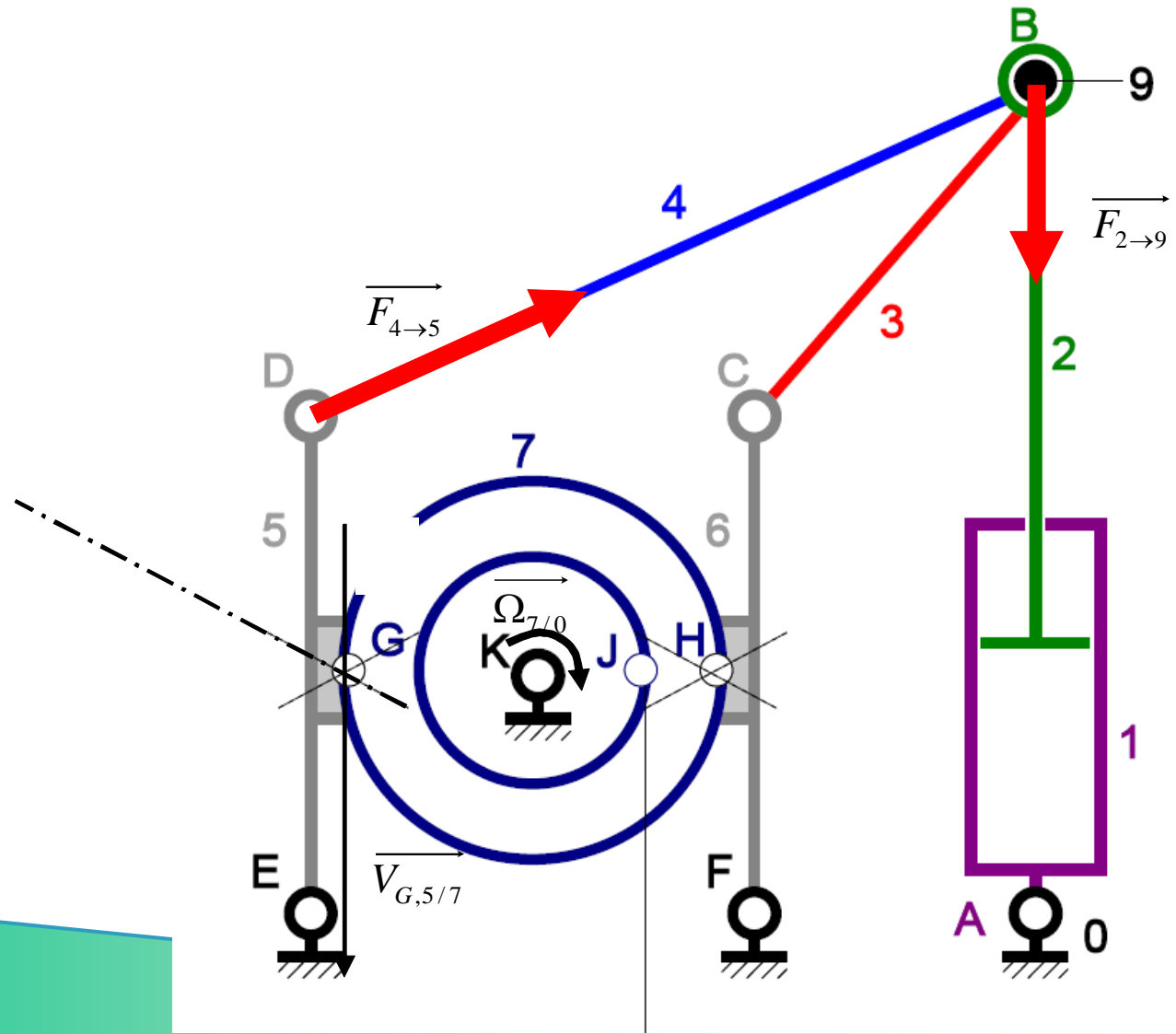
# Système de freinage d'une grue portuaire



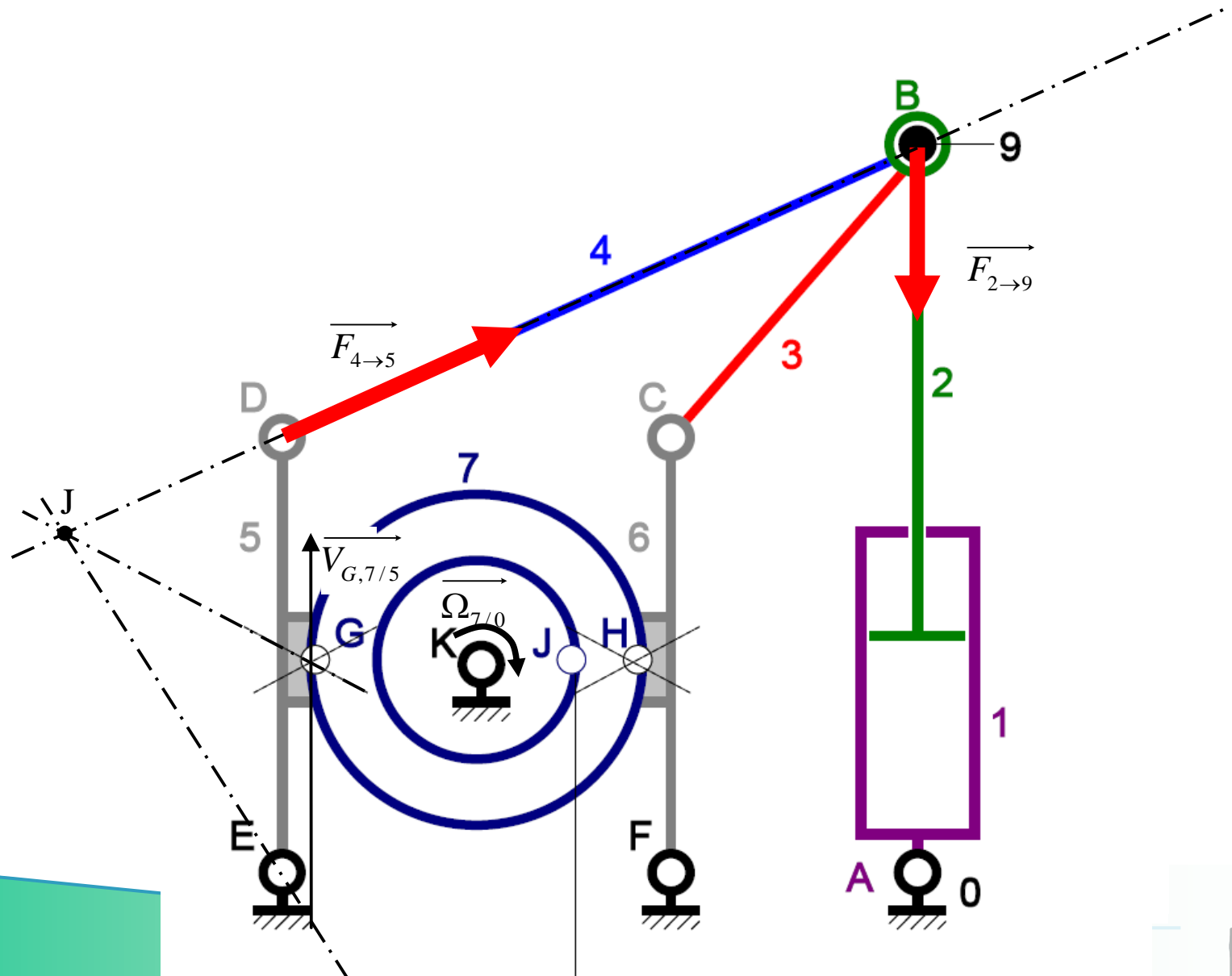
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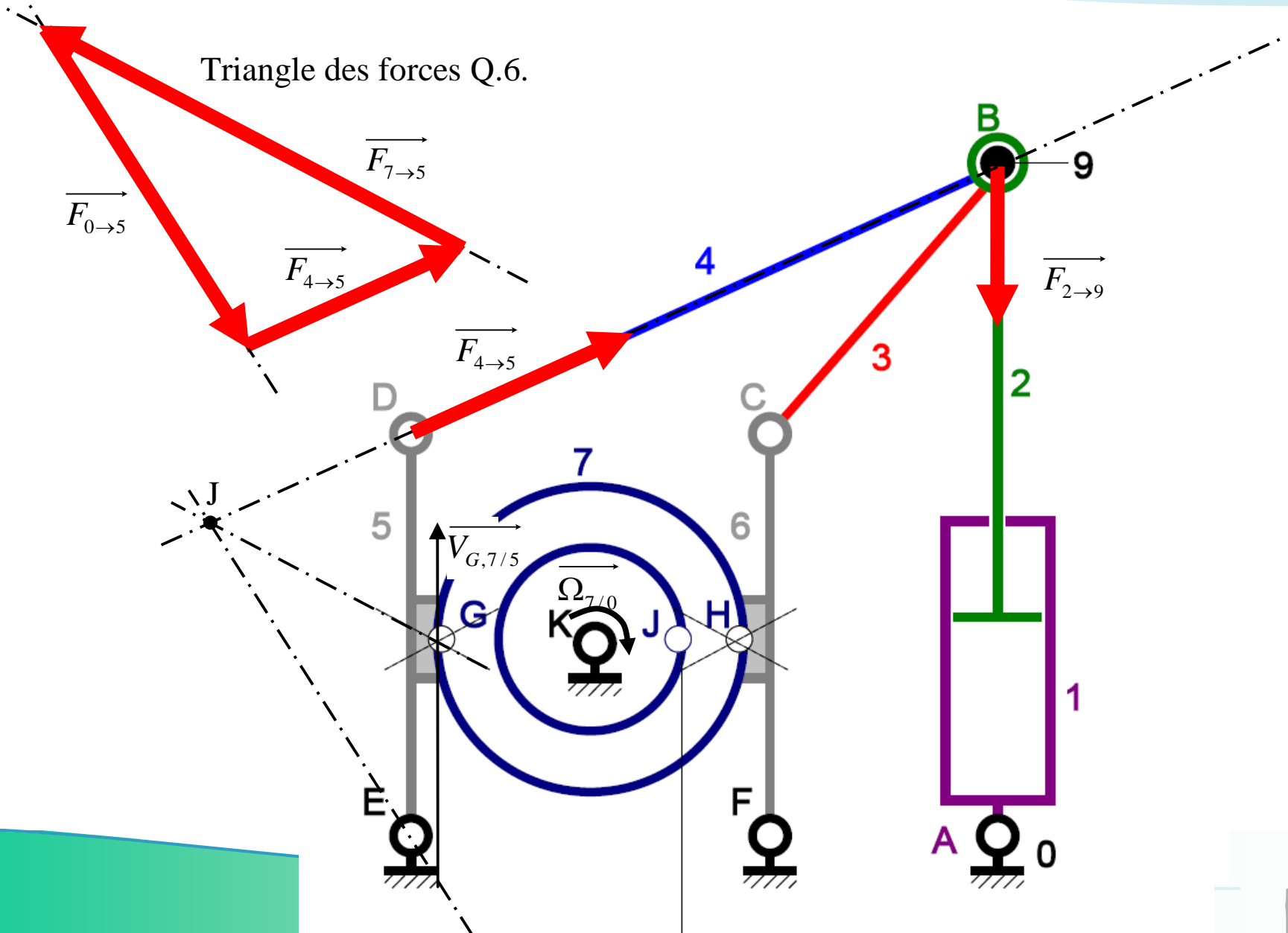
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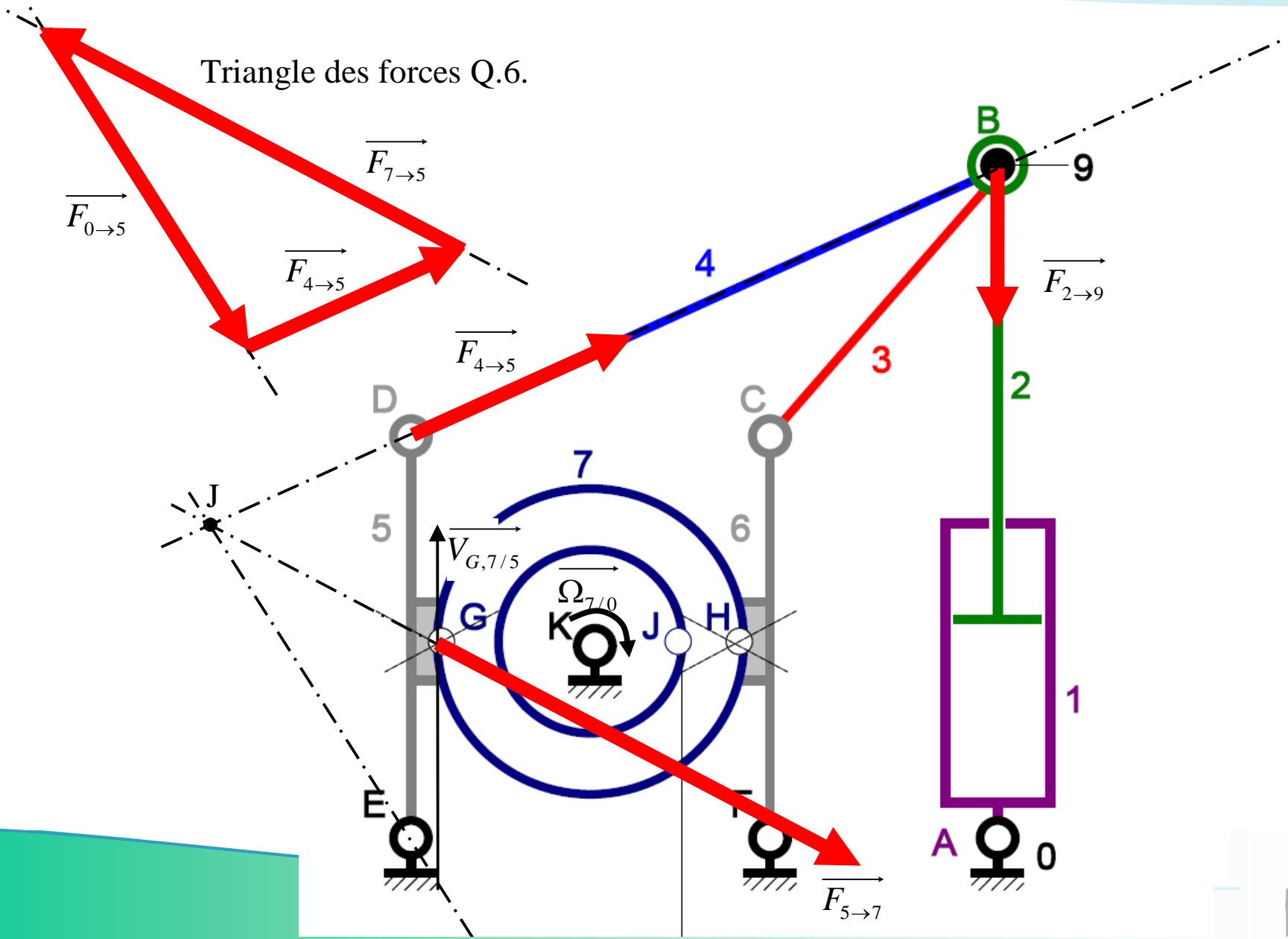
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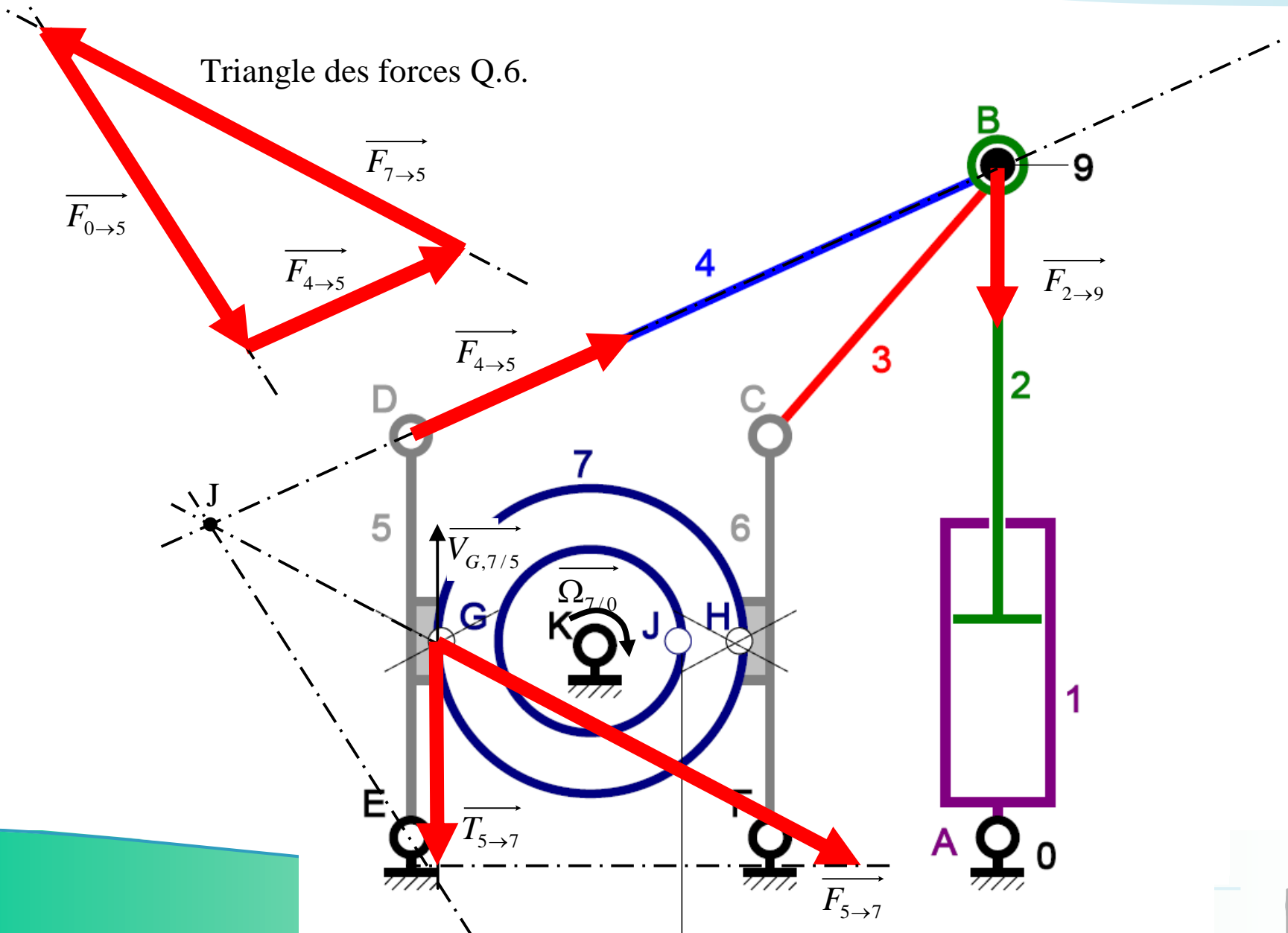
# Systeme de freinage d'une grue portuaire



# Système de freinage d'une grue portuaire

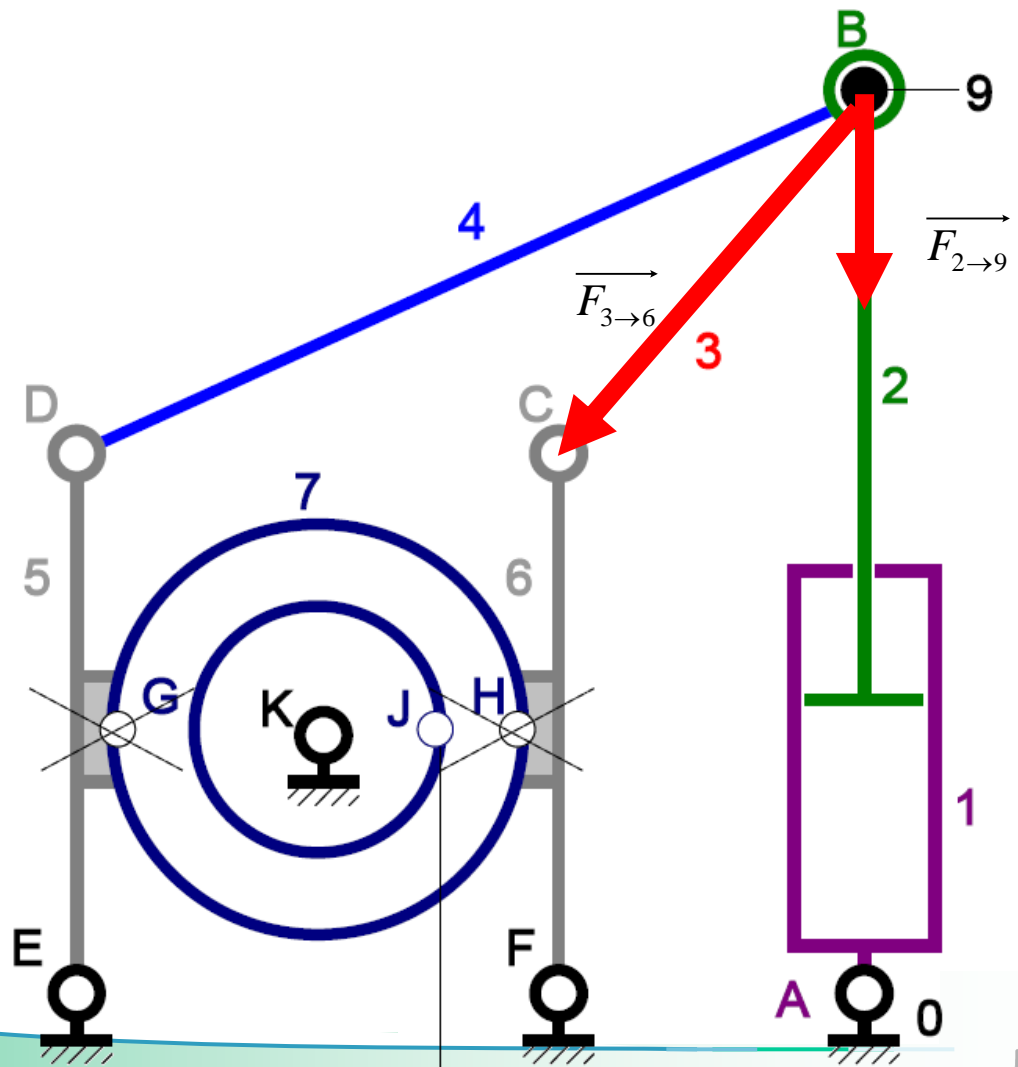


# Système de freinage d'une grue portuaire

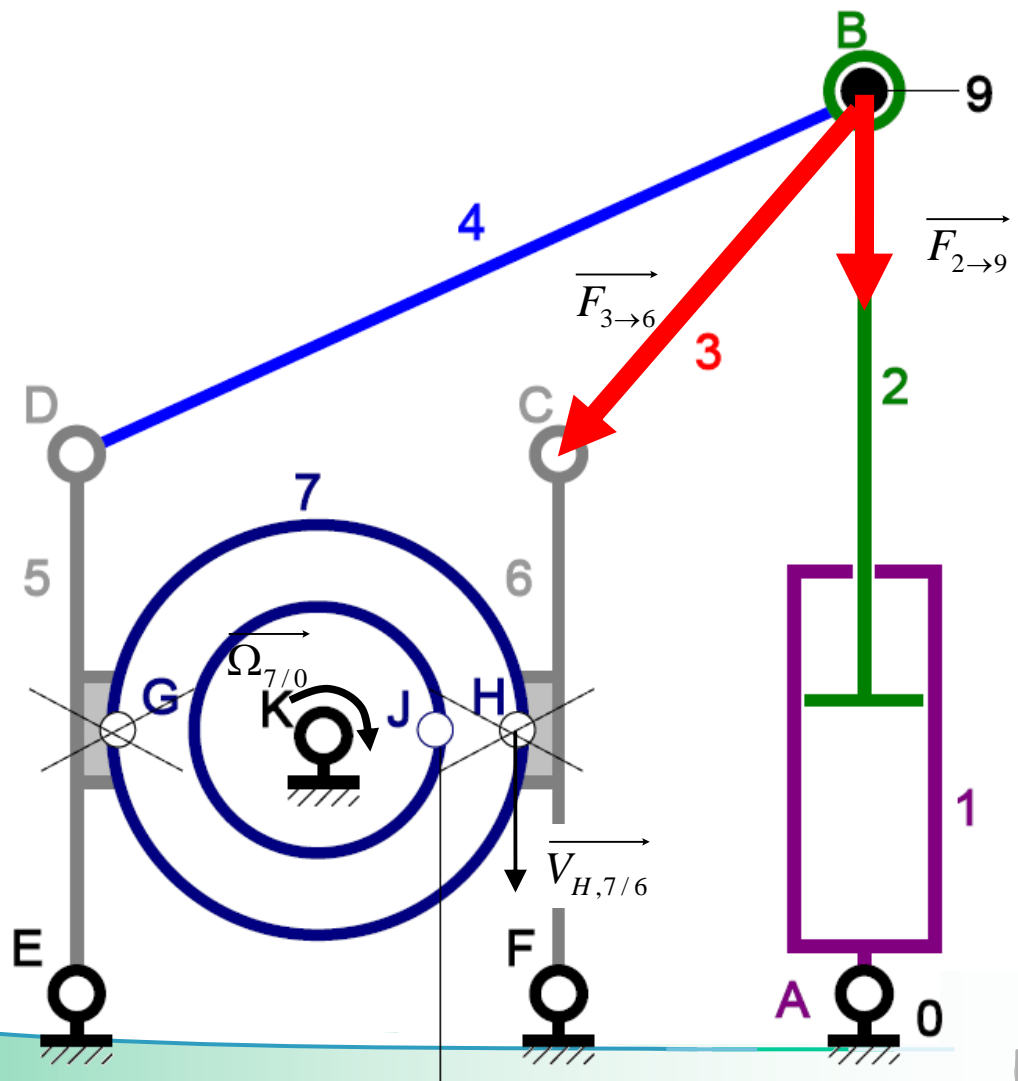




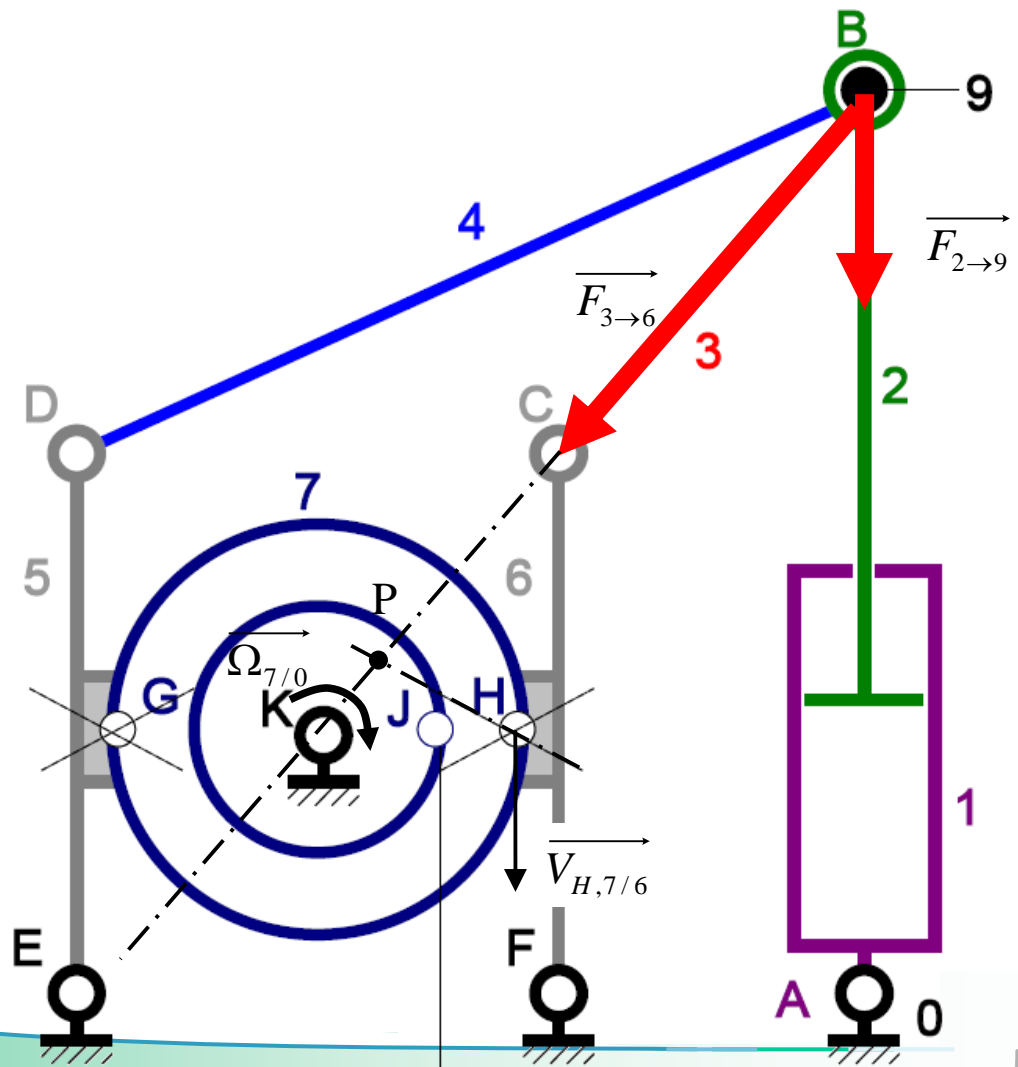
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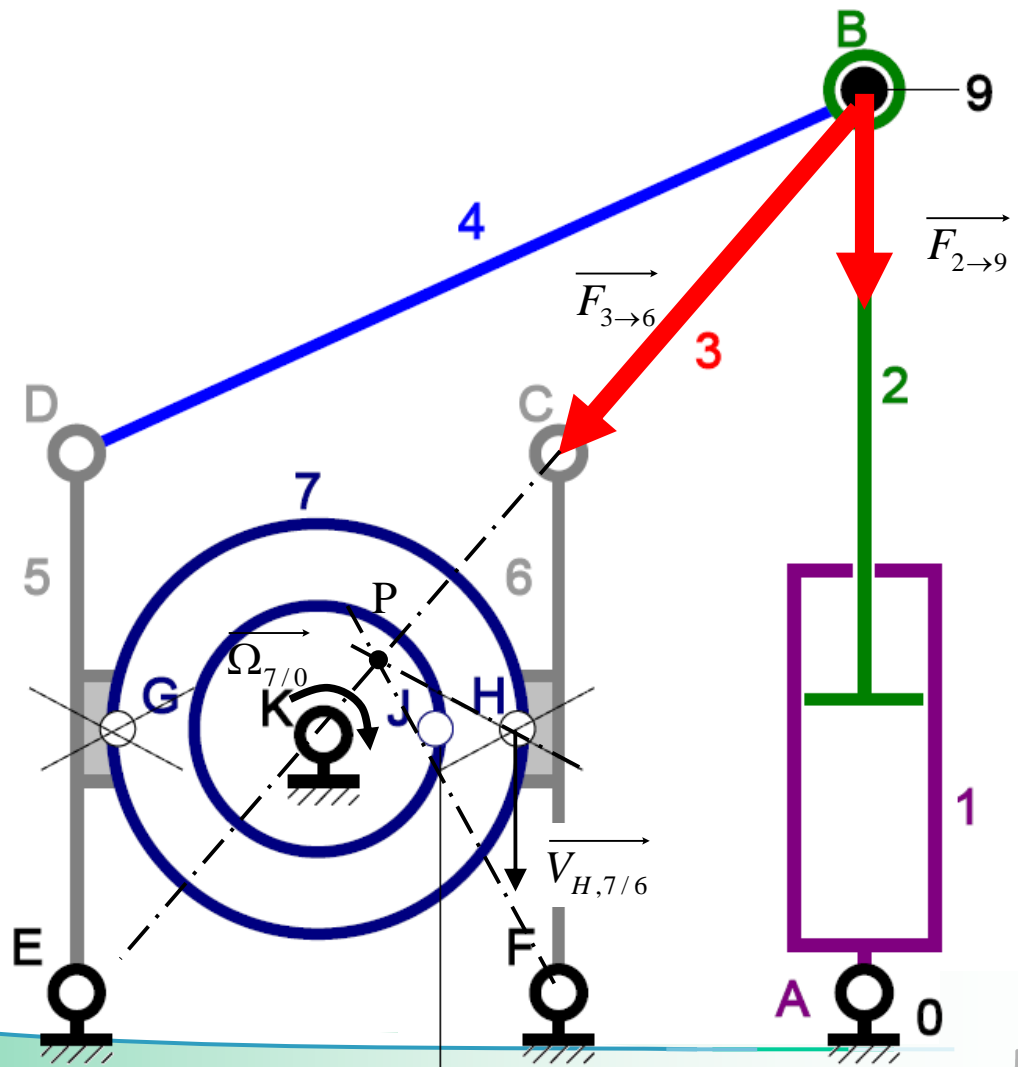
# Système de freinage d'une grue portuaire



# Système de freinage d'une grue portuaire

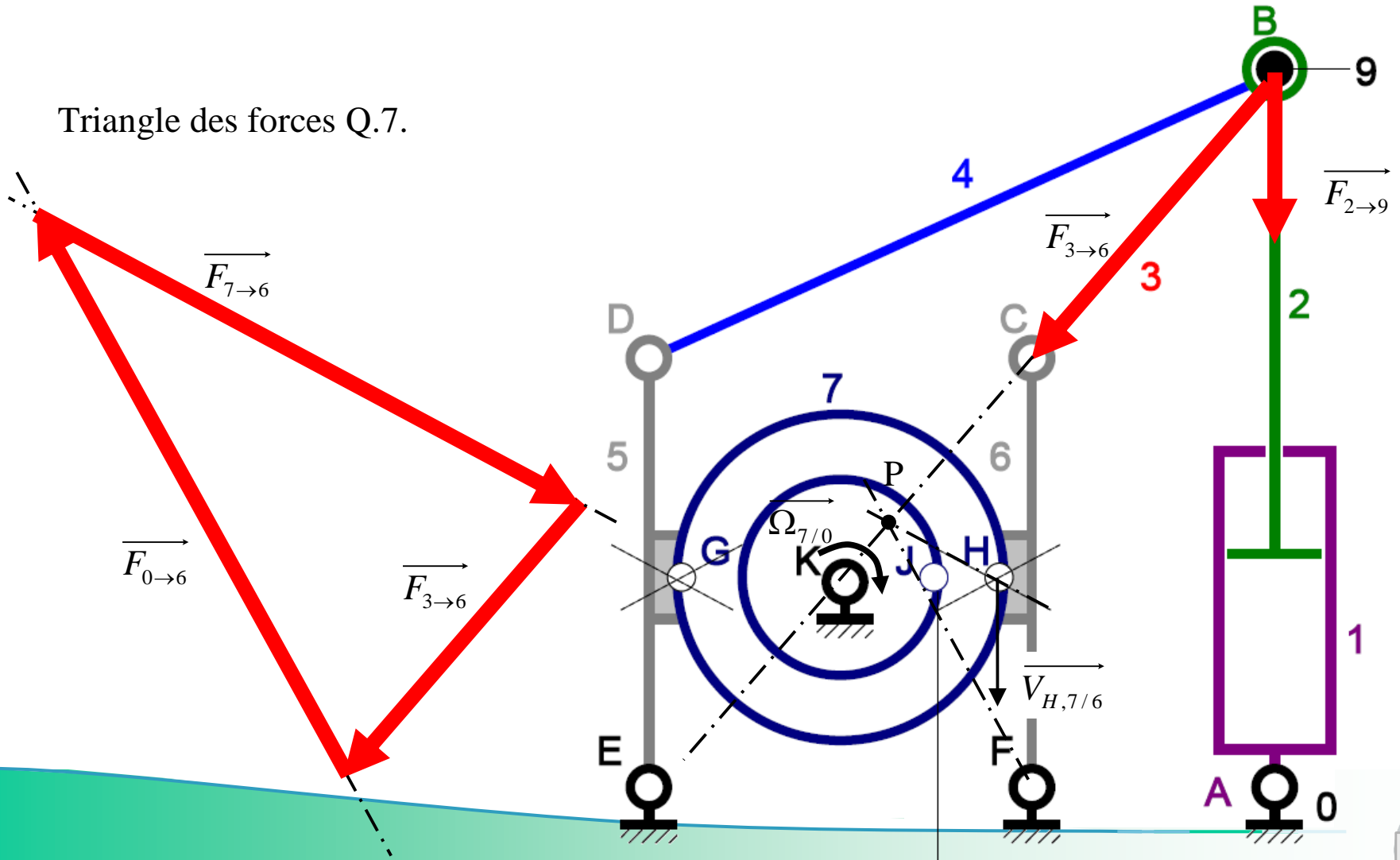


# Système de freinage d'une grue portuaire



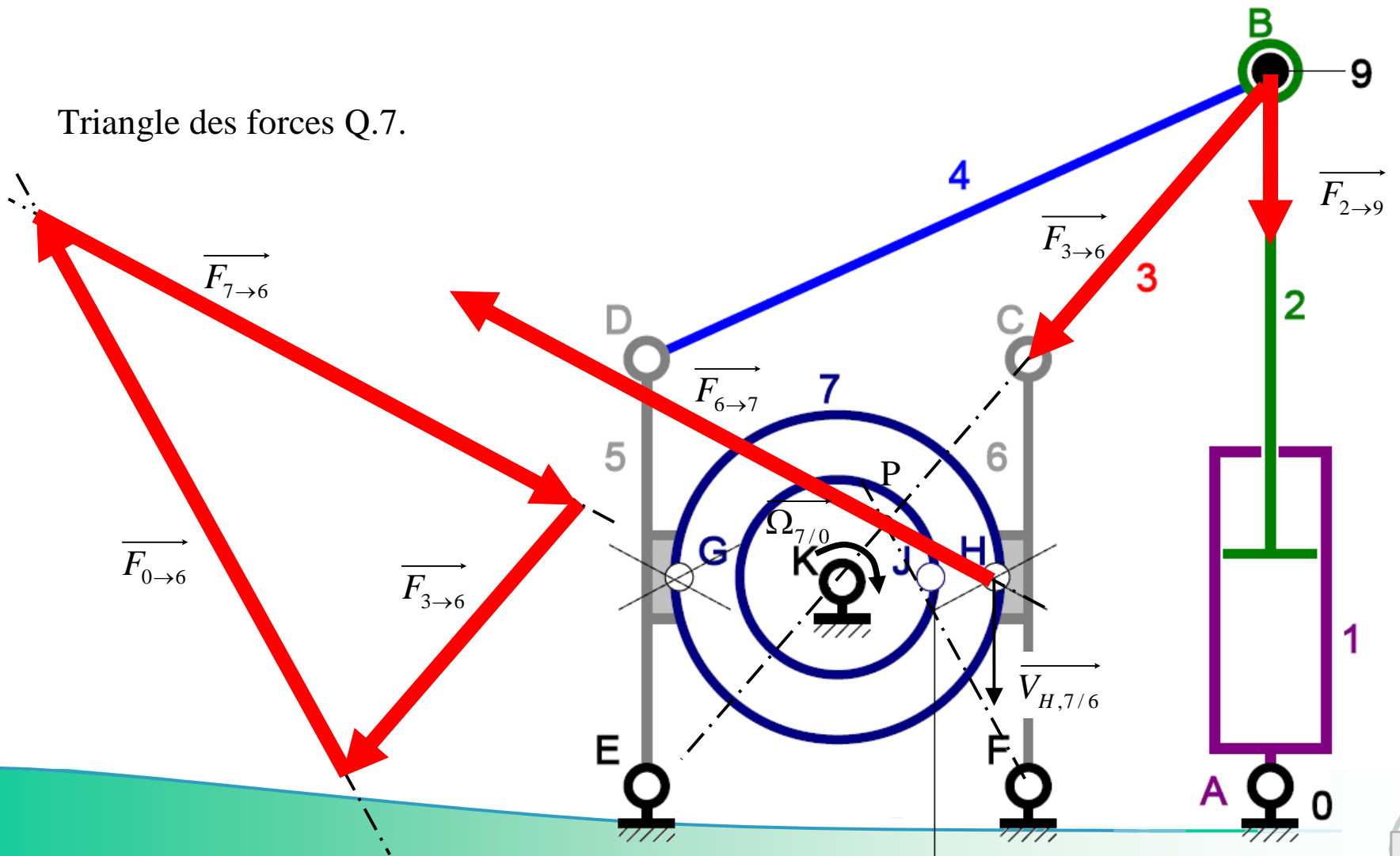
# Système de freinage d'une grue portuaire

Triangle des forces Q.7.



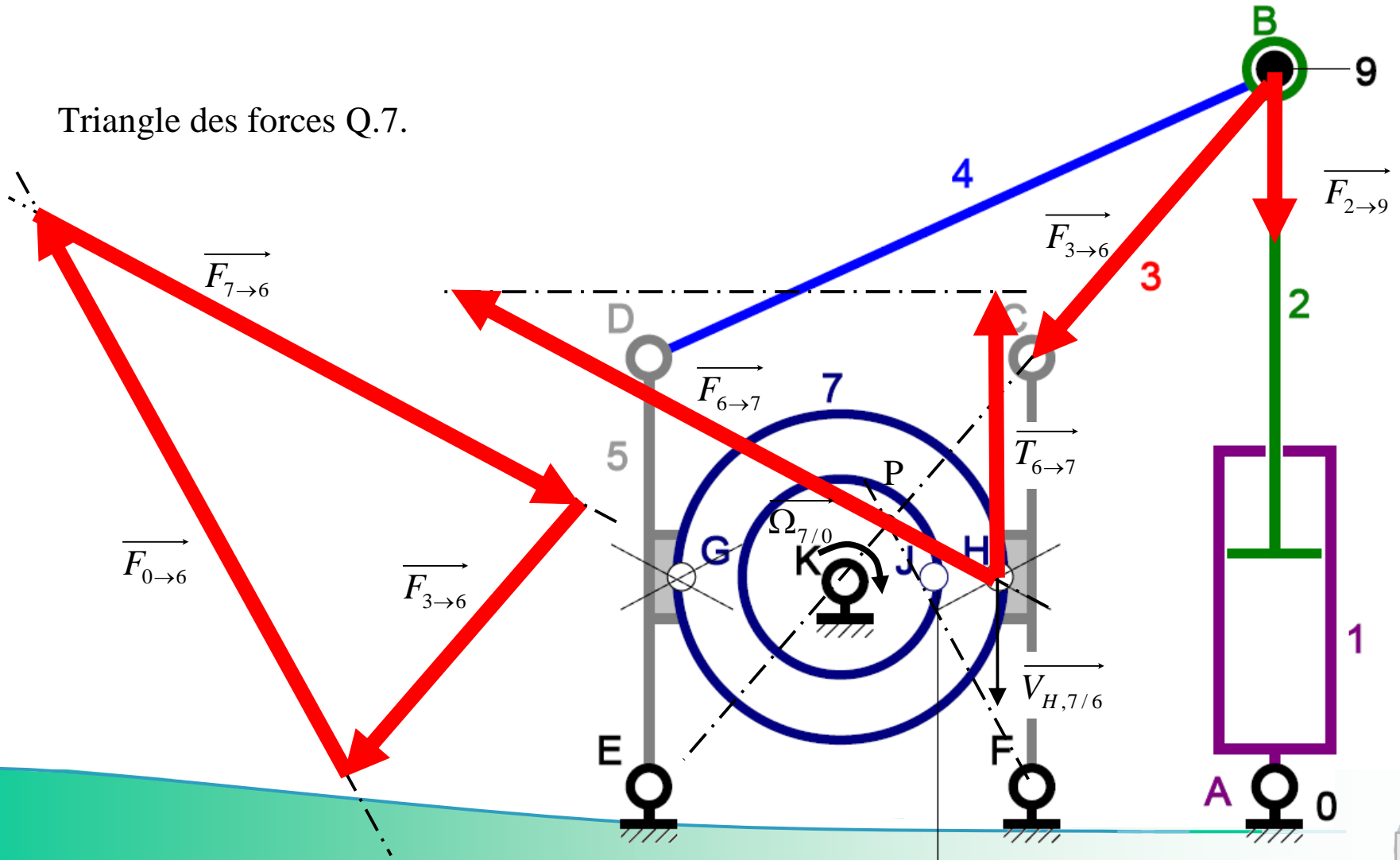
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Triangle des forces Q.7.



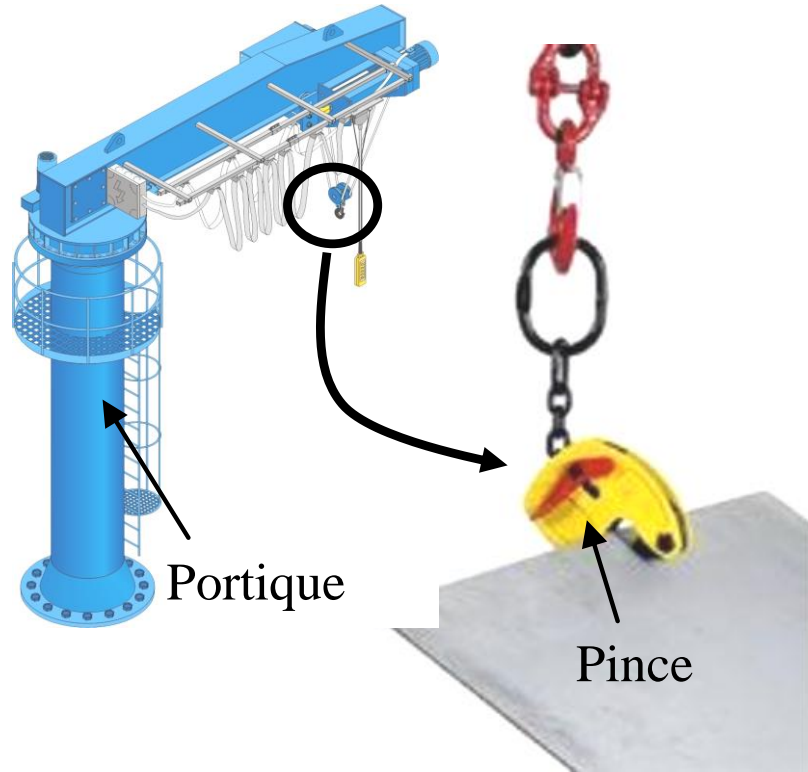
# Système de freinage d'une grue portuaire

Triangle des forces Q.7.

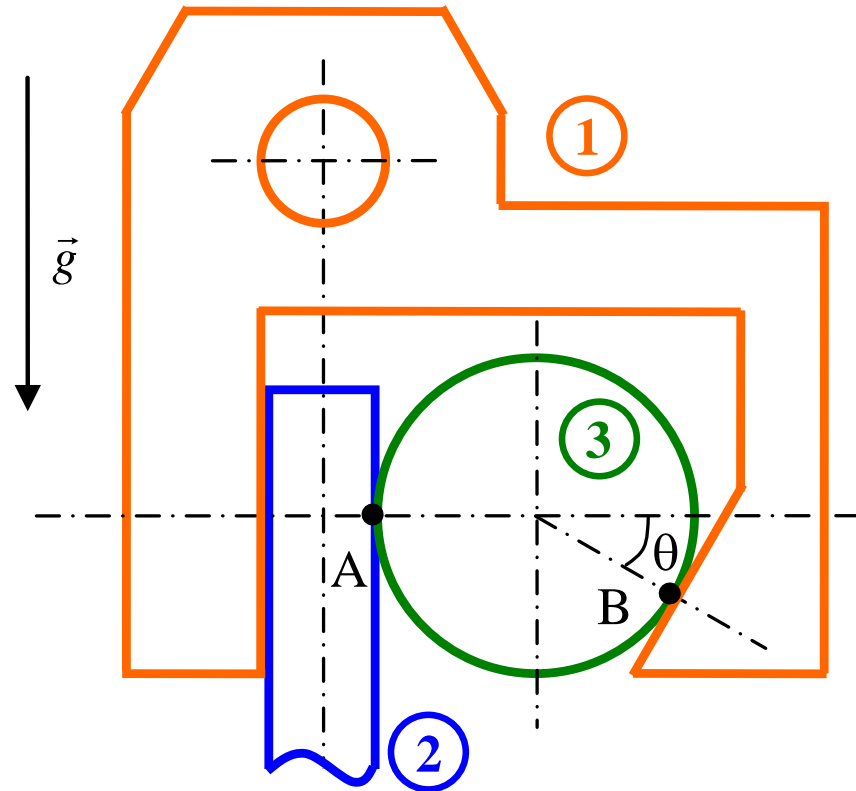


# Pince lève tôles

*Réel*

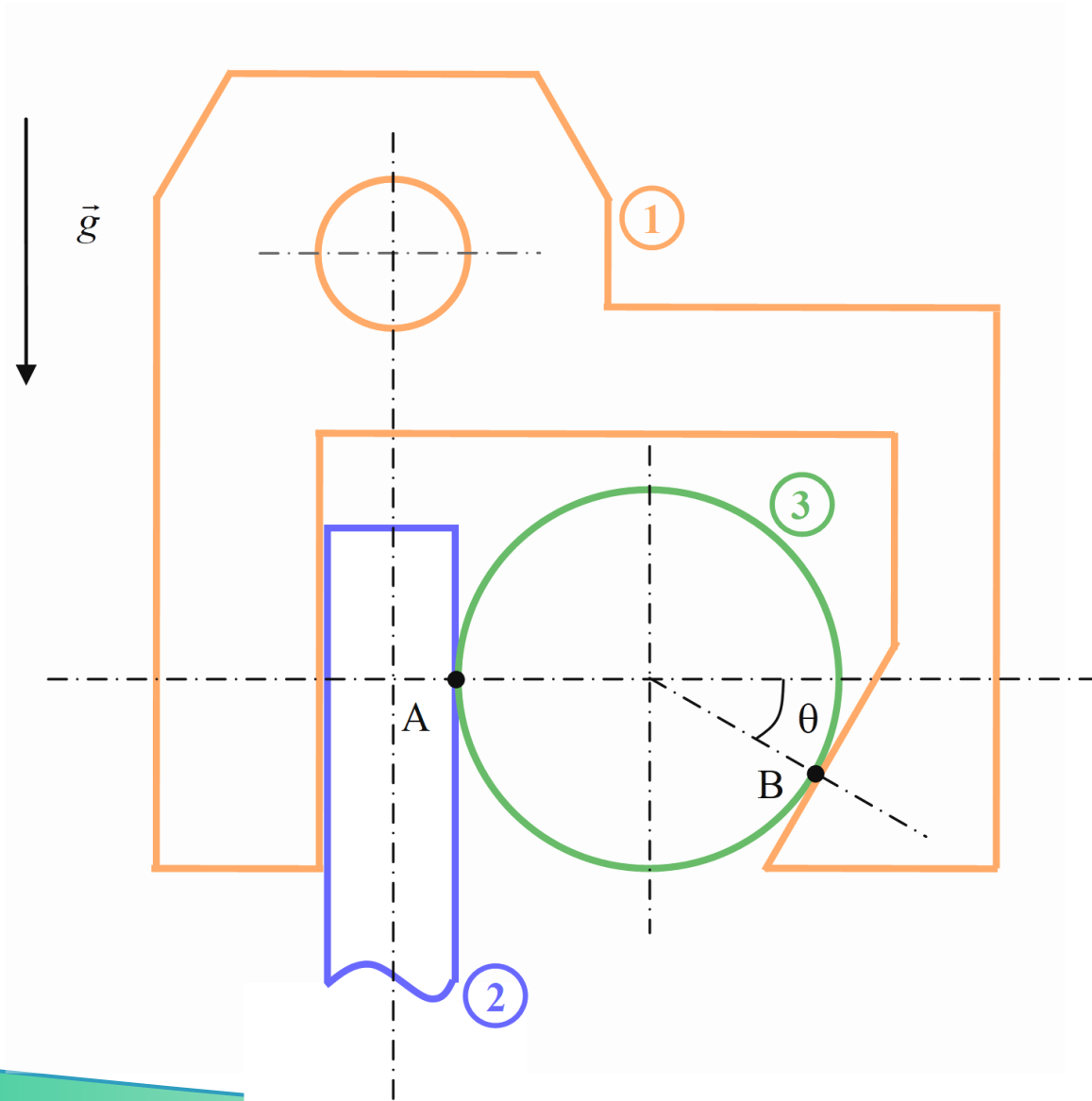


*Modèle plan*





# Pince lève tôles



**FIN**

