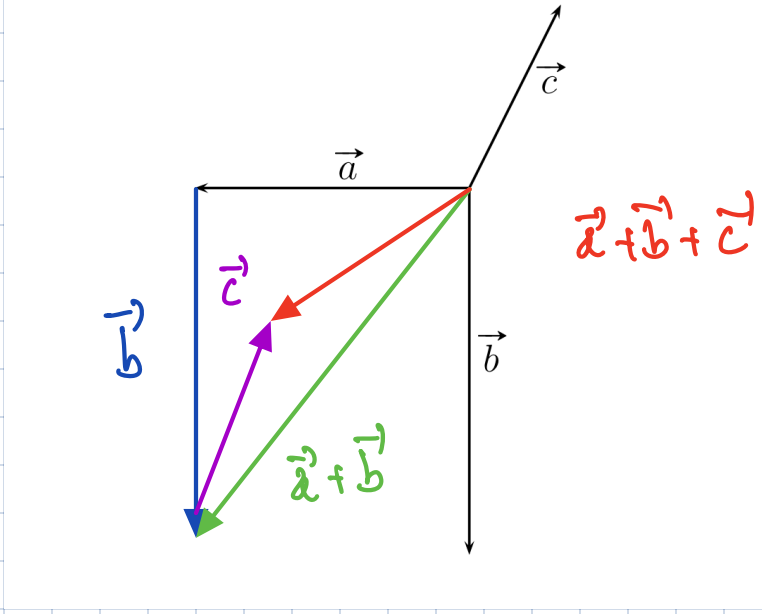
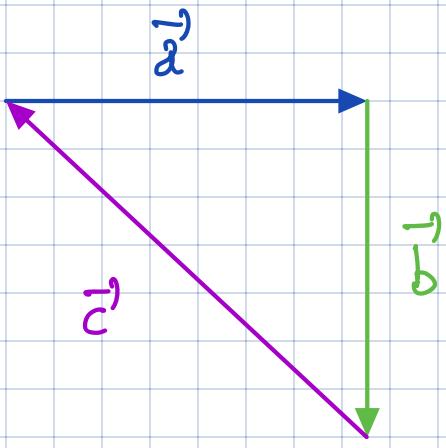
1.1.2



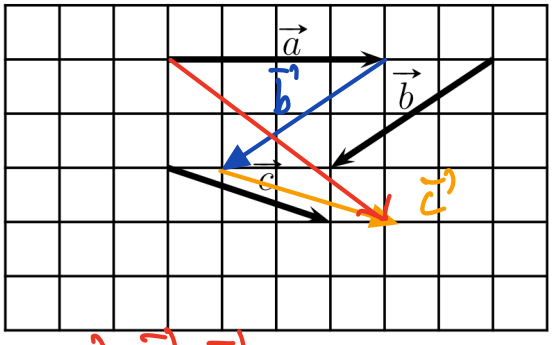


$\vec{a} + \vec{b} + \vec{c} = \vec{0}$

résultante

1.1.3 Dans chaque cas, construire le vecteur demandé.

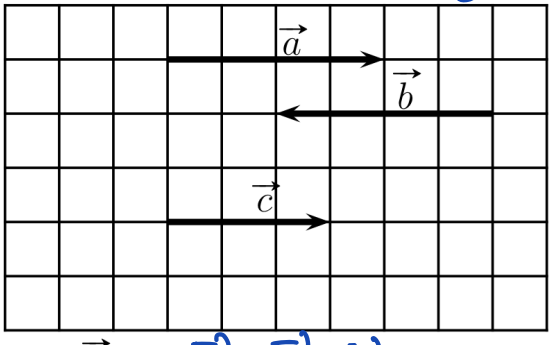
Cas 1



$\vec{a}+\vec{b}+\vec{c}$

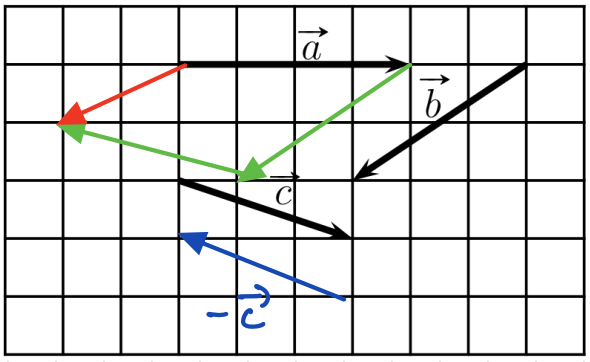
Cas 2

$\vec{a}+\vec{b} = \vec{0}$

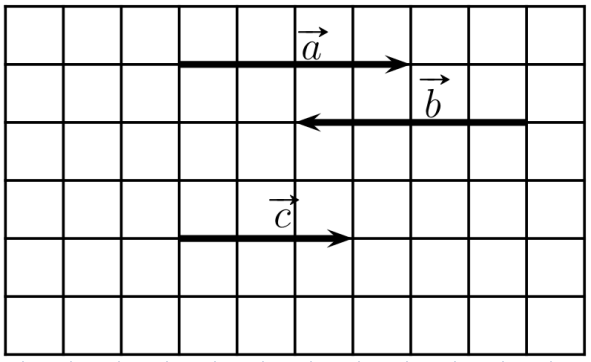


Le vecteur $\vec{a} + \vec{c} + \vec{b}$ $= \vec{a}+\vec{b}+\vec{c}$

Cas 1



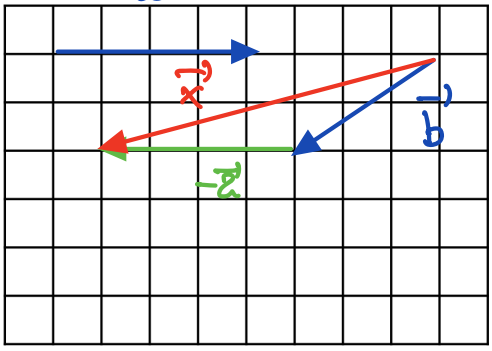
Cas 2

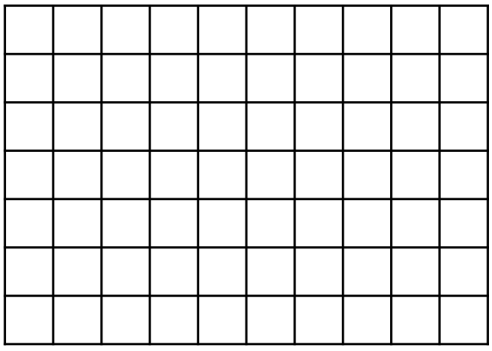


Le vecteur $\vec{b} - \vec{c} + \vec{a}$

$\vec{b} - \vec{c} + \vec{a} = \vec{a} + \vec{b} - \vec{c} = \vec{a} + \vec{b} + (-\vec{c})$

Le vecteur $\vec{x}$ tel que $\vec{x} + \vec{a} = \vec{b}$



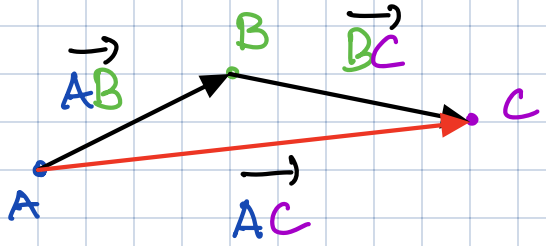


$\vec{x} + \vec{a} = \vec{b} \quad | + (-\vec{a})$

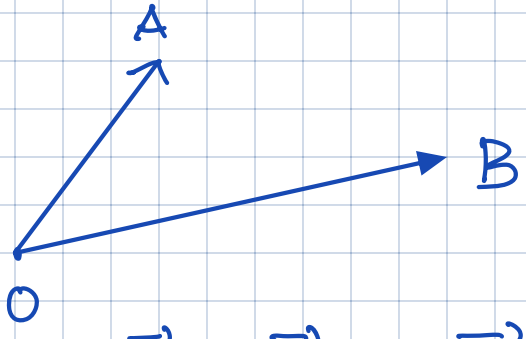
$\vec{x} = \vec{b} - \vec{a}$

Règle de Chasles

$$\overrightarrow{AB} + \overrightarrow{BC} = \overrightarrow{AC}$$

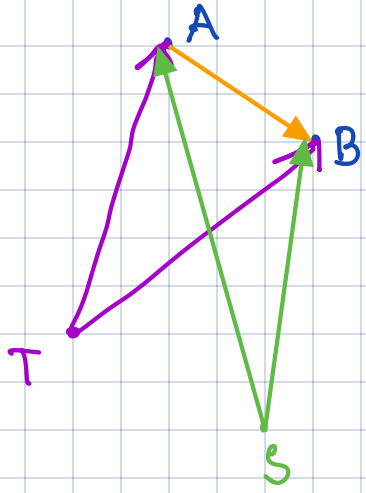


Calculons $\overrightarrow{OB} - \overrightarrow{OA}$



$$\overrightarrow{OA} + \overrightarrow{AB} = \overrightarrow{OB} \quad \Big| \; + (-\overrightarrow{OA})$$

$$\overrightarrow{AB} = \overrightarrow{OB} - \overrightarrow{OA}$$



$$\overrightarrow{AB} = \overrightarrow{TB} - \overrightarrow{TA}$$
$$= \overrightarrow{SB} - \overrightarrow{SA}$$