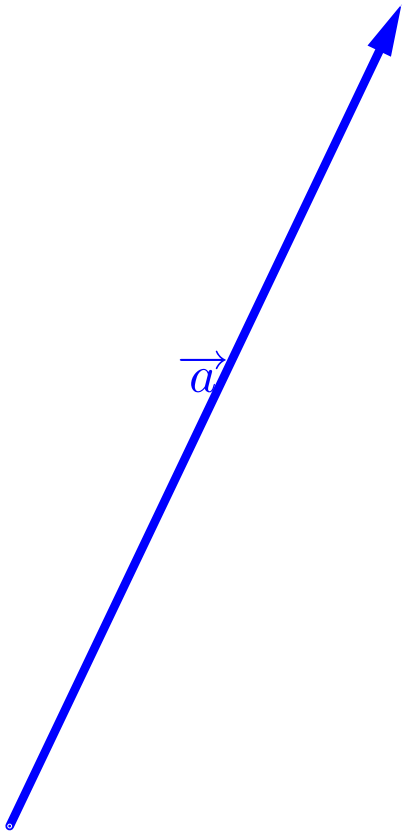
삼각형의 무게중심의 위치벡터
(The position vector of the center of gravity of the triangle)

The position vector of the center of gravity of the triangle

Start End

The position vector of the center of gravity of the triangle

Start End



The position vector of the center of gravity of the triangle

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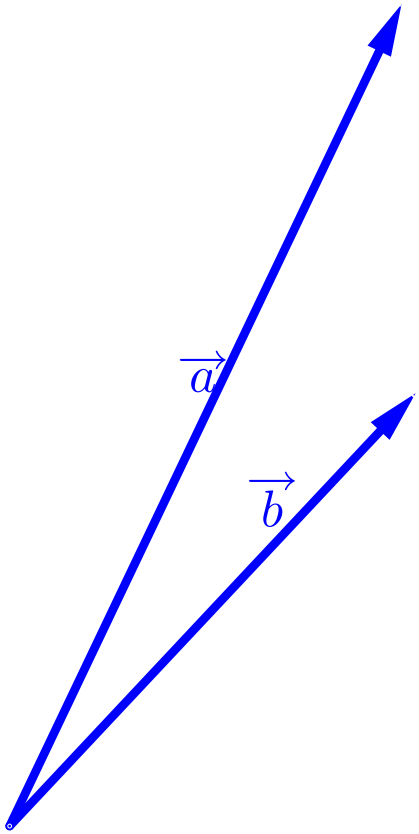

The position vector of the center of gravity of the triangle

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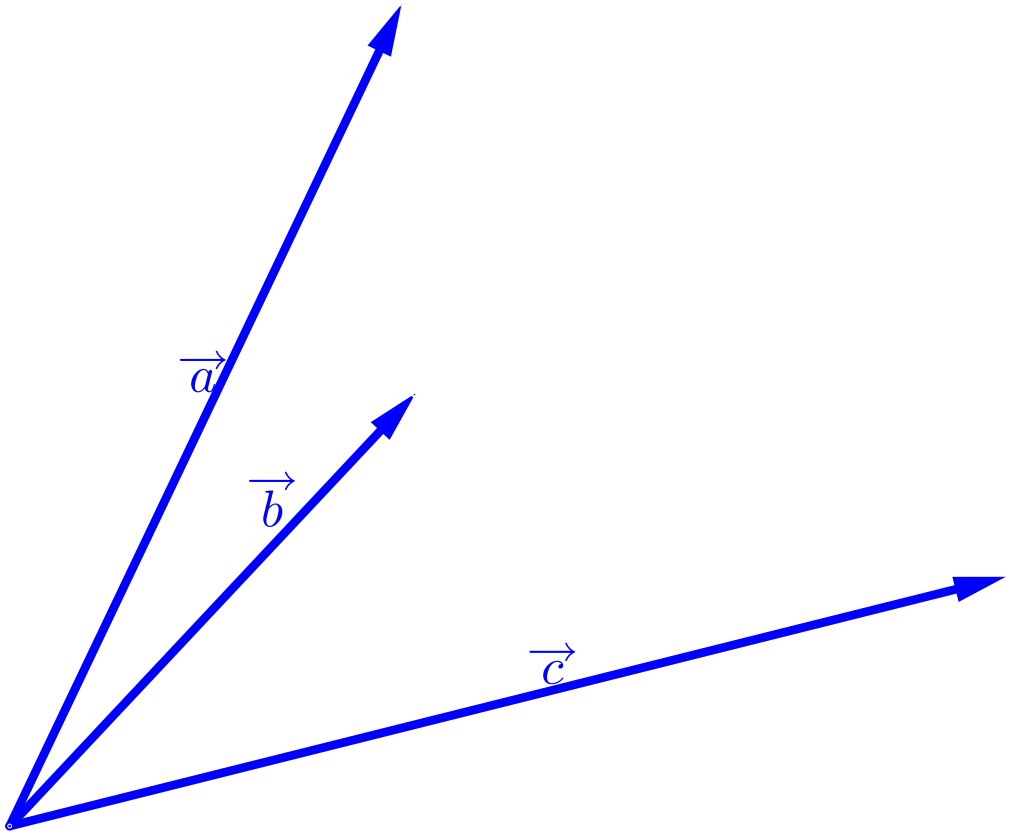

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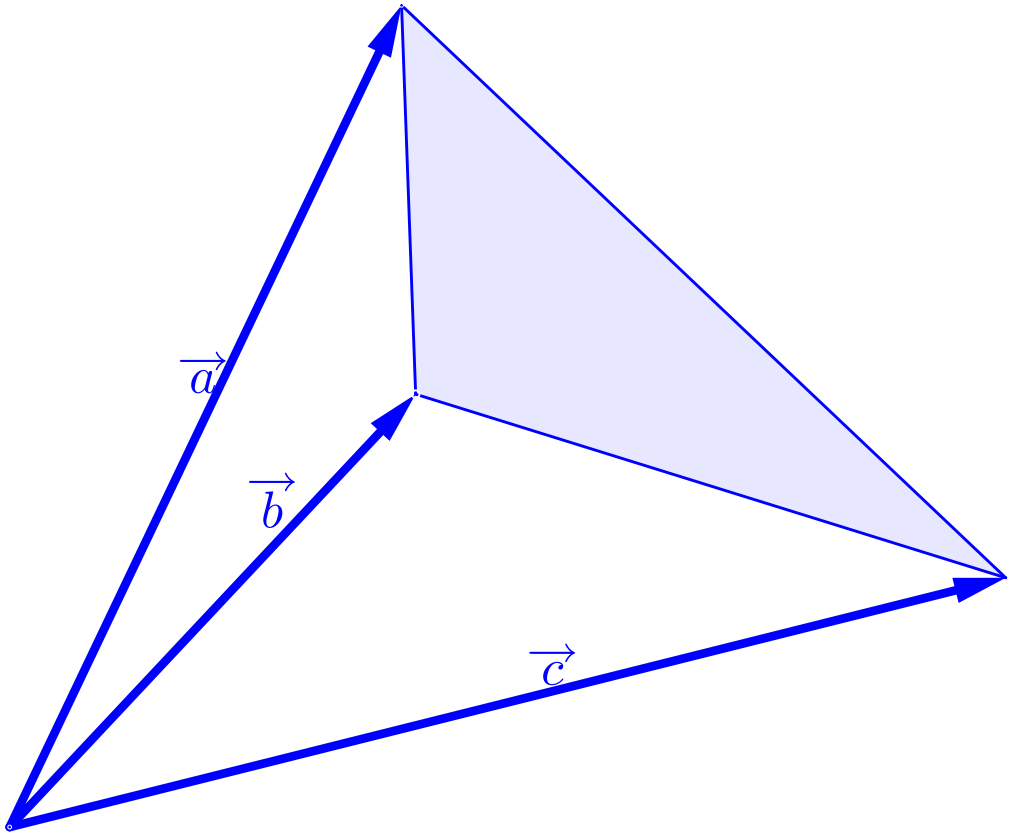

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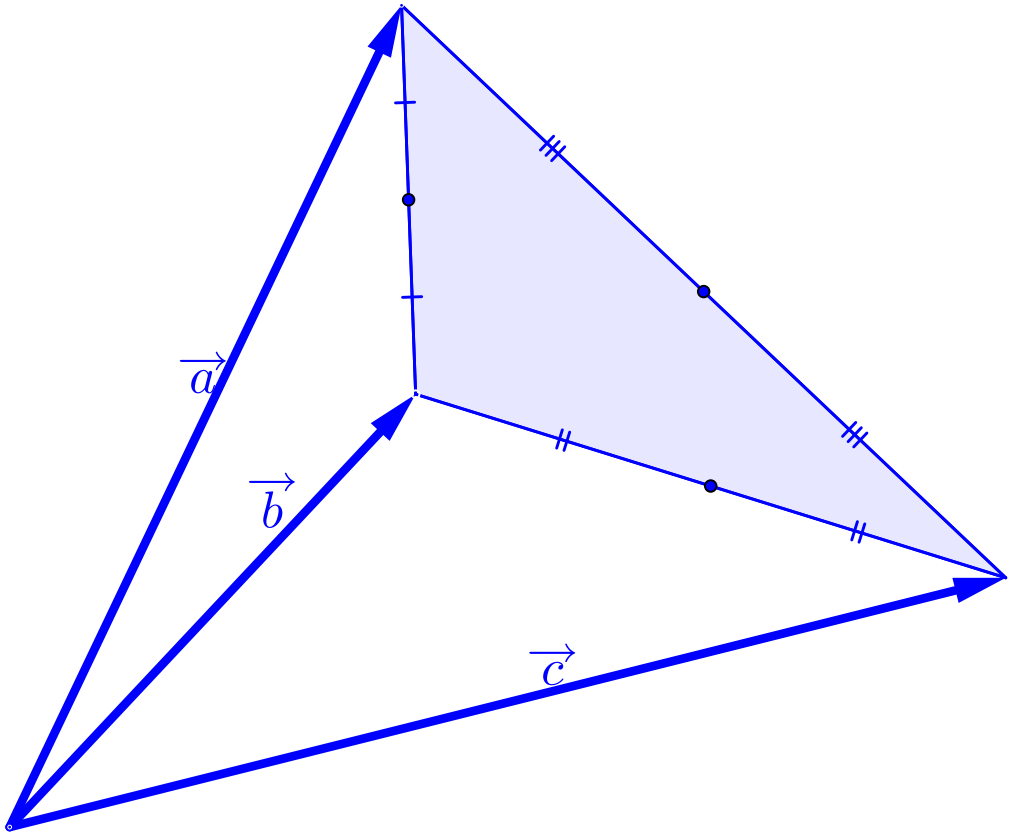

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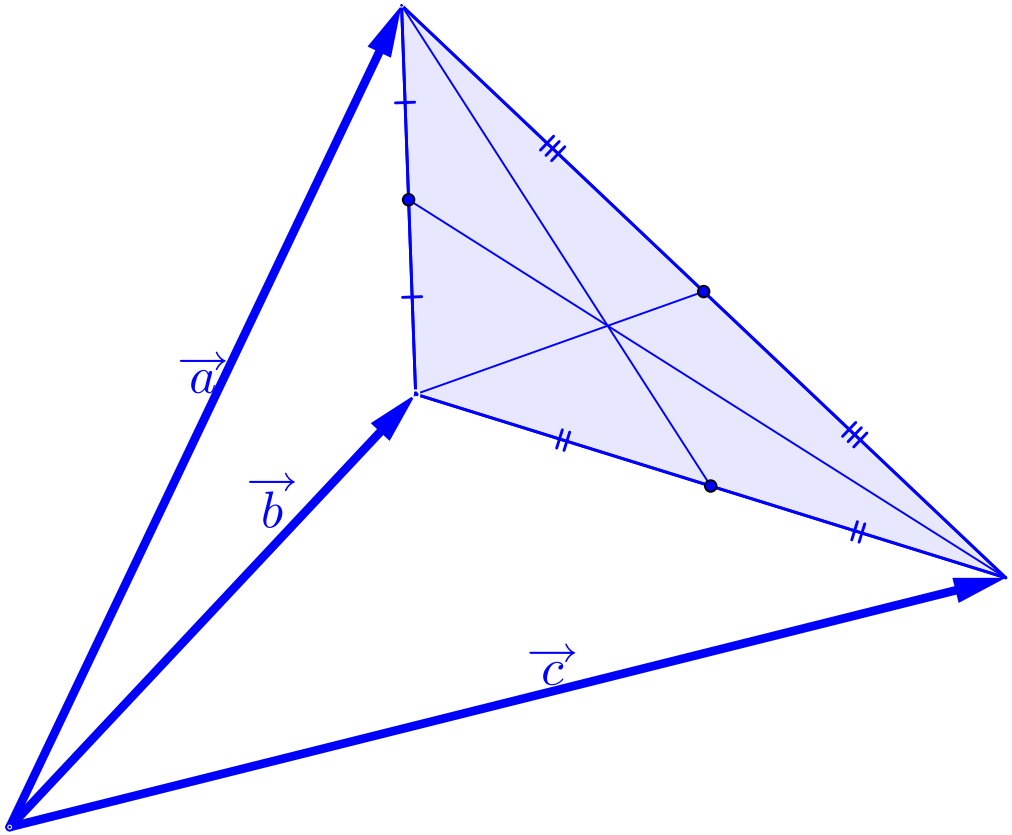

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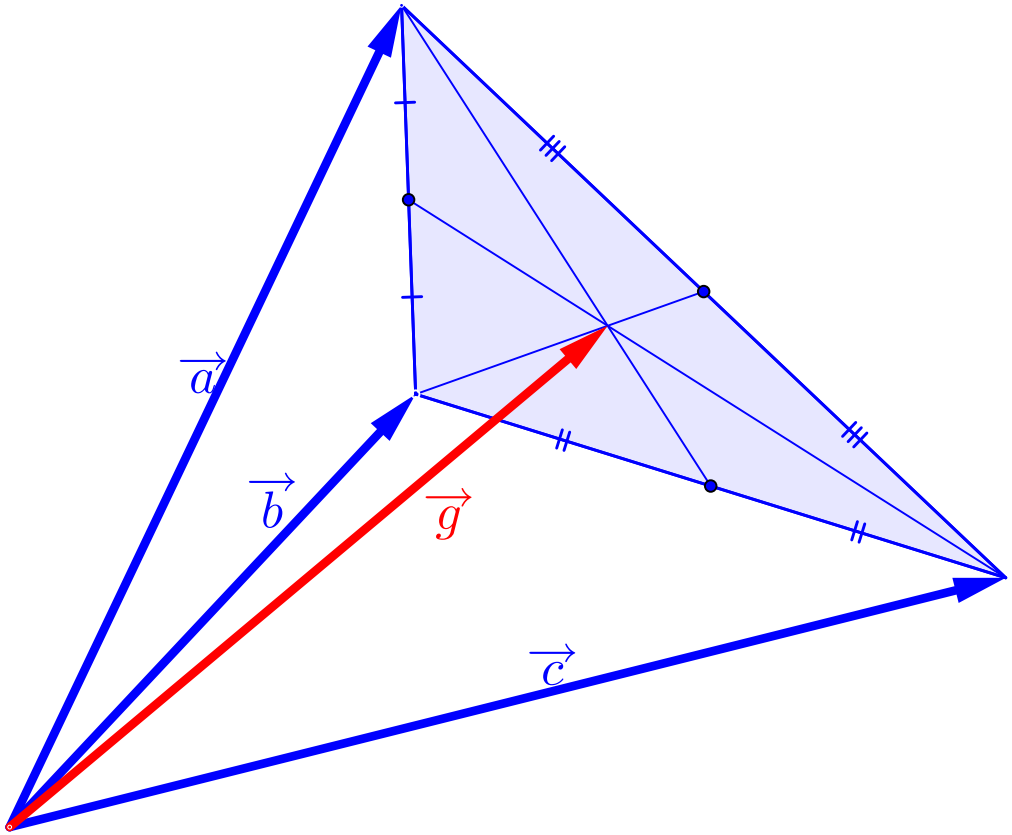

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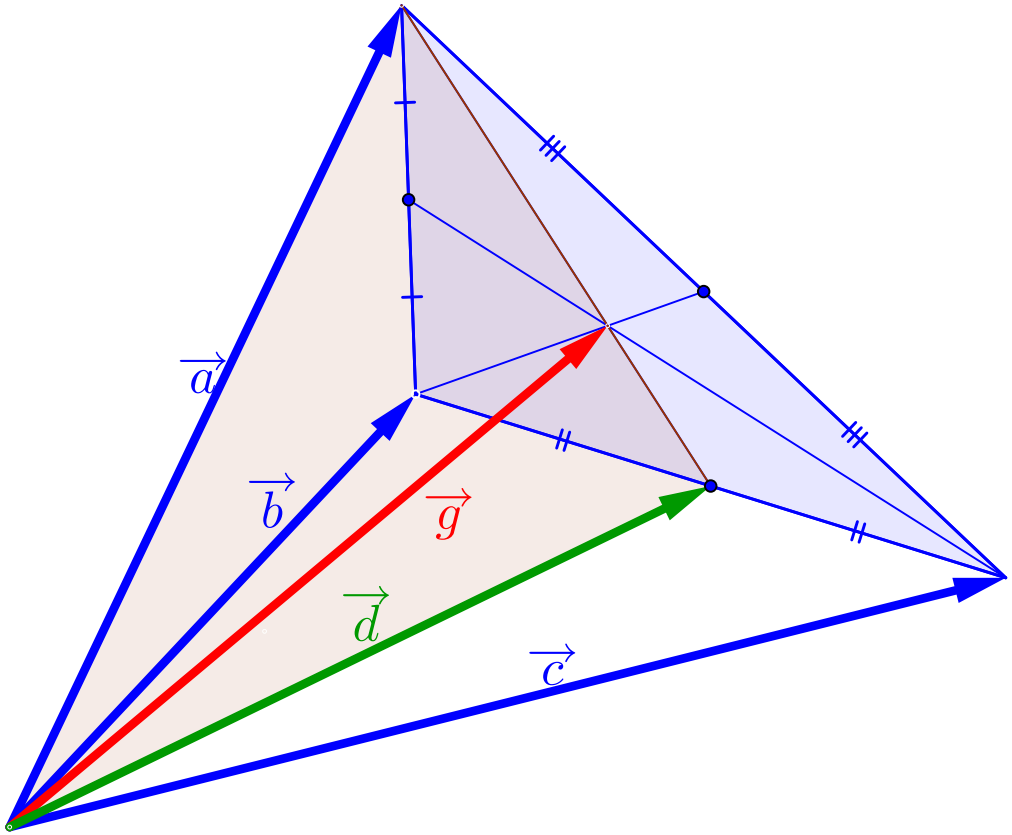

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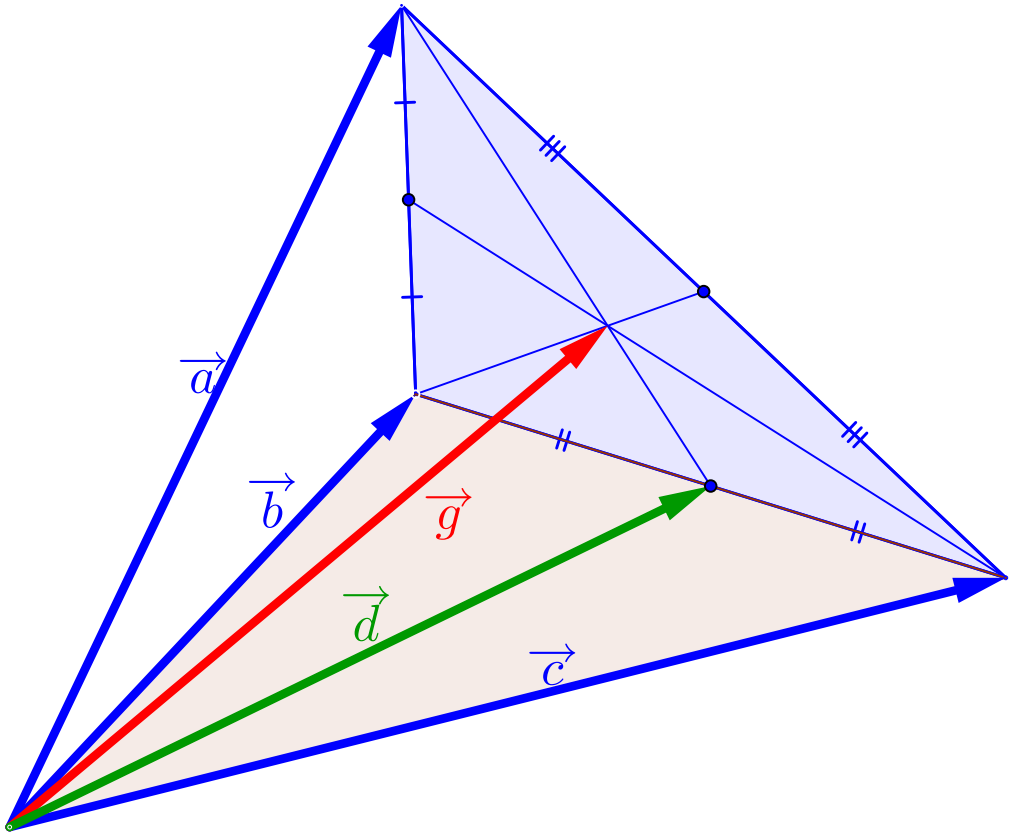

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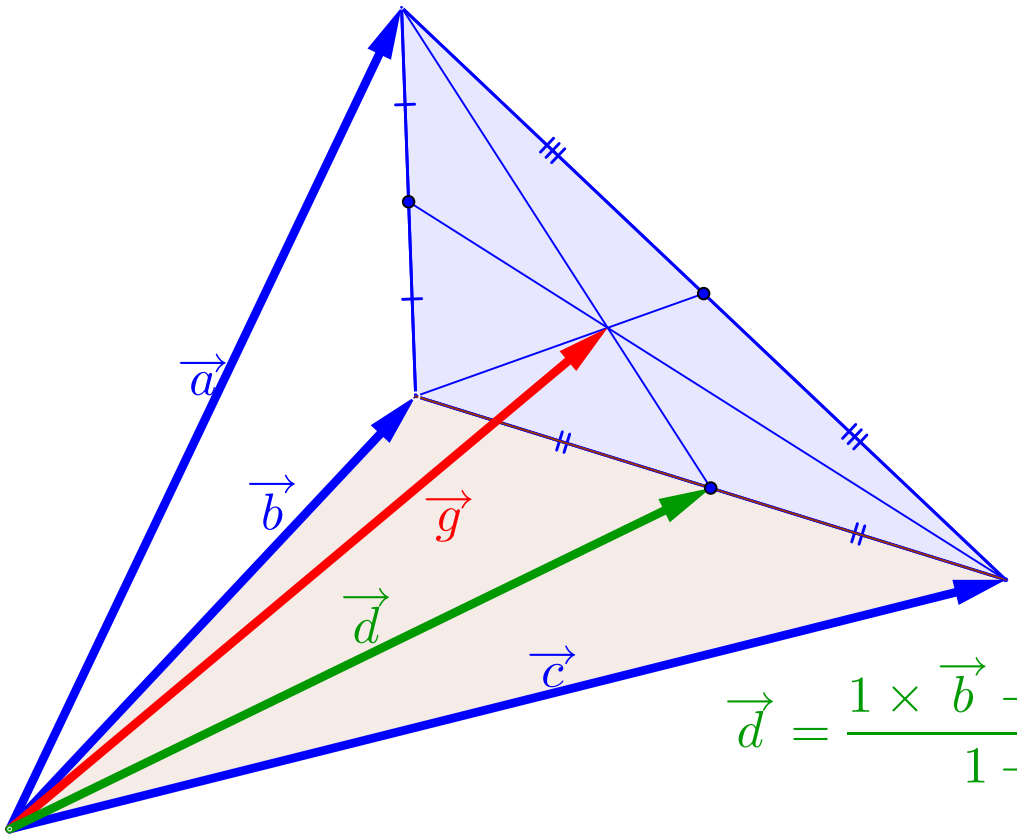
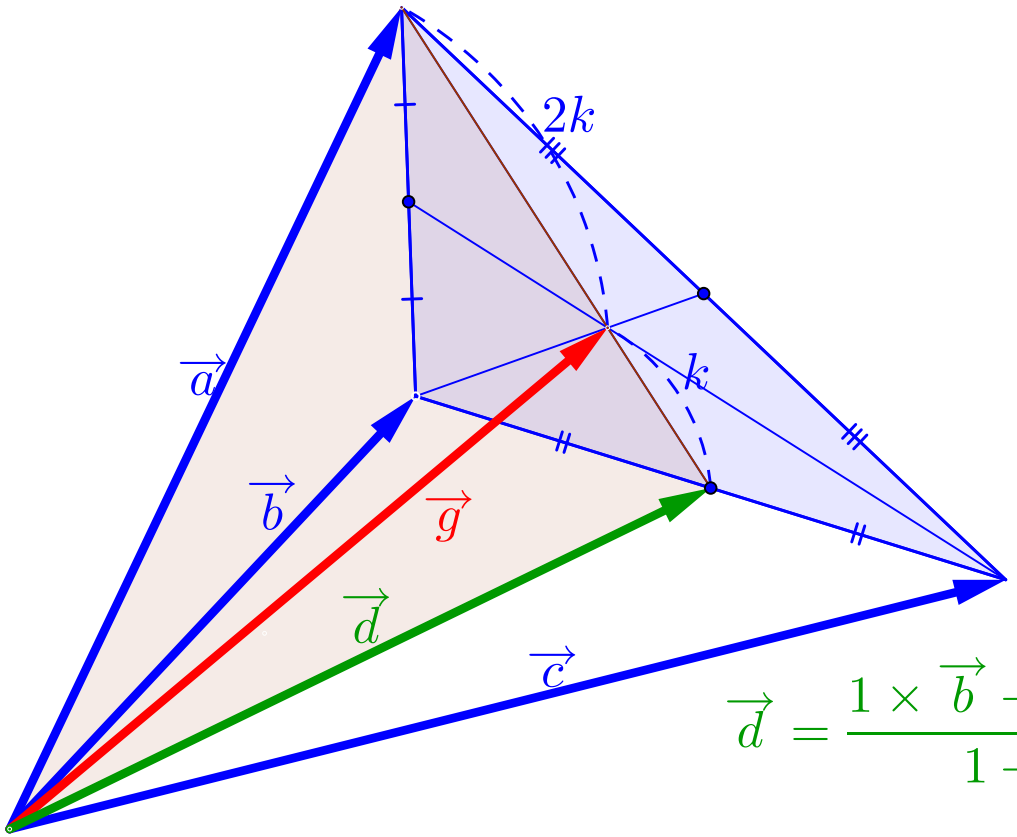


$$\overrightarrow{d} = \frac{1 \times \overrightarrow{b} + 1 \times \overrightarrow{c}}{1+1} = \frac{\overrightarrow{b} + \overrightarrow{c}}{2}$$

The position vector of the center of gravity of the triangle

Start End



$$\overrightarrow{d} = \frac{1 \times \overrightarrow{b} + 1 \times \overrightarrow{c}}{1+1} = \frac{\overrightarrow{b} + \overrightarrow{c}}{2}$$

The position vector of the center of gravity of the triangle

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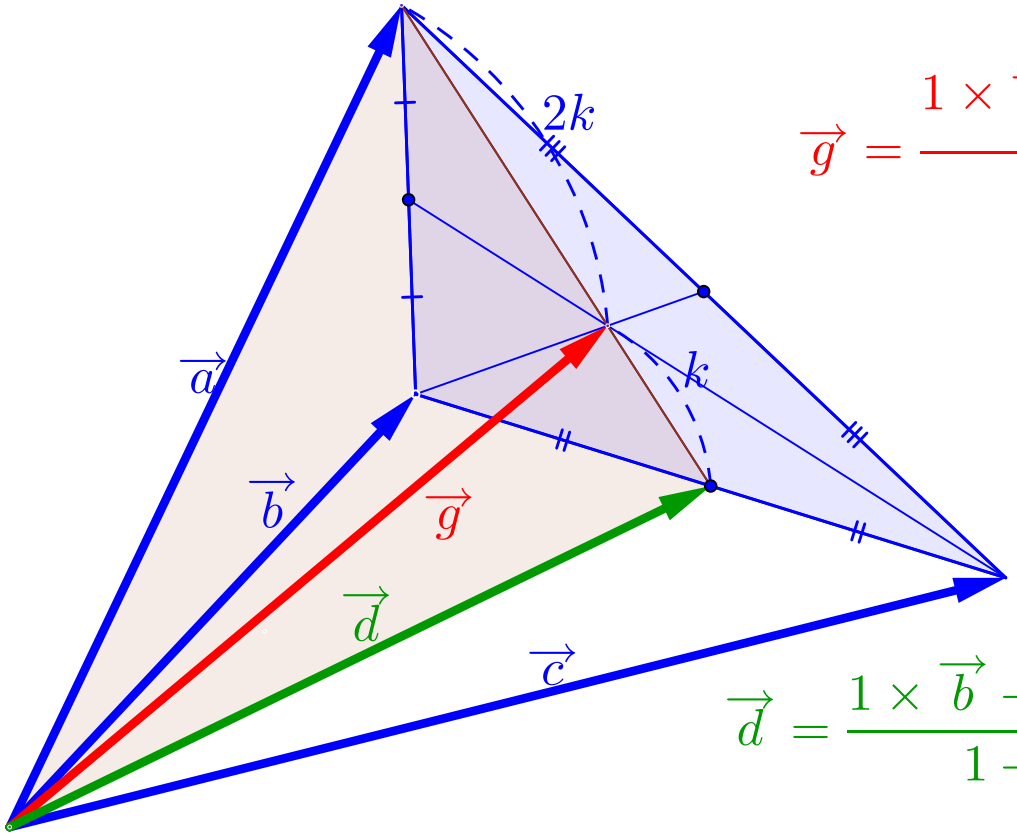
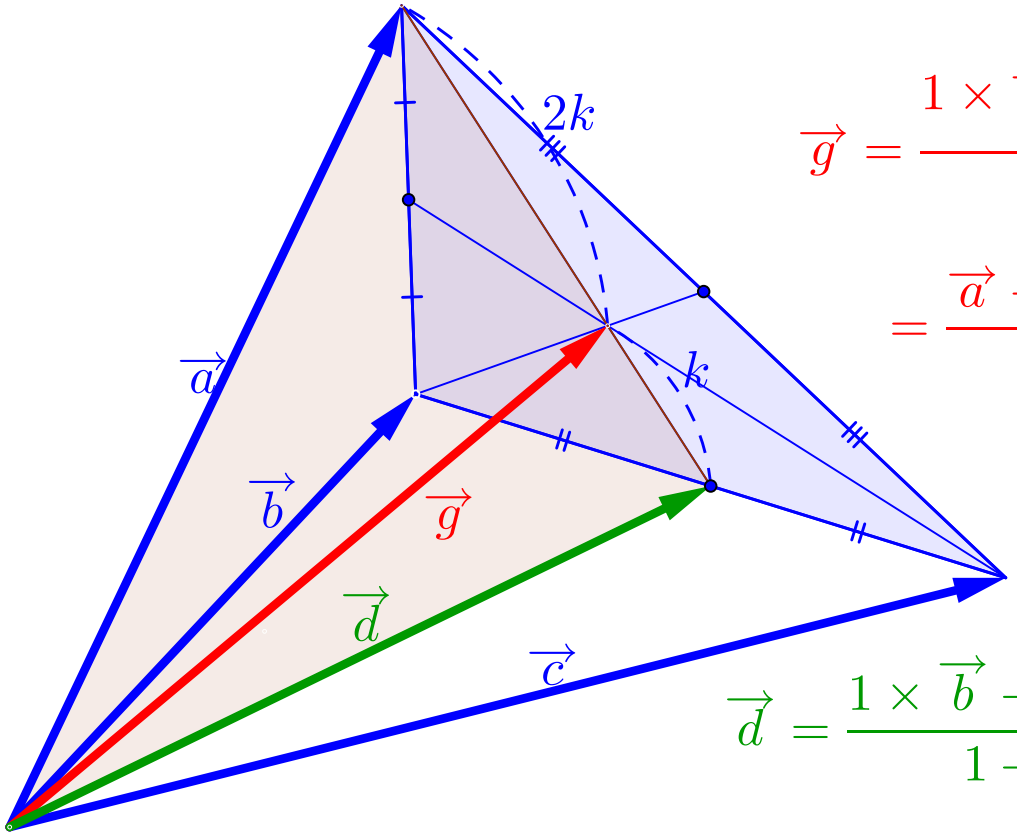


$$\overrightarrow{g} = \frac{1 \times \overrightarrow{a} + 2 \times \dfrac{\overrightarrow{b} + \overrightarrow{c}}{2}}{2 + 1}$$

$$\overrightarrow{d} = \frac{1 \times \overrightarrow{b} + 1 \times \overrightarrow{c}}{1 + 1} = \frac{\overrightarrow{b} + \overrightarrow{c}}{2}$$

The position vector of the center of gravity of the triangle

Start End



$$\overrightarrow{g} = \frac{1 \times \overrightarrow{a} + 2 \times \dfrac{\overrightarrow{b} + \overrightarrow{c}}{2}}{2+1}$$

$$= \frac{\overrightarrow{a} + \overrightarrow{b} + \overrightarrow{c}}{3}$$

$$\overrightarrow{d} = \frac{1 \times \overrightarrow{b} + 1 \times \overrightarrow{c}}{1+1} = \frac{\overrightarrow{b} + \overrightarrow{c}}{2}$$

Github:
https://min7014.github.io/math20221025001.html

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and you can see a picture moving.