

# 선분의 내분점의 위치벡터

(The Position Vector of a Interior Point of a Line Segment)

# The Position Vector of a Interior Point of a Line Segment

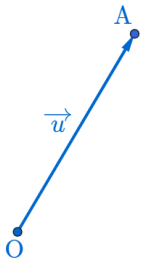
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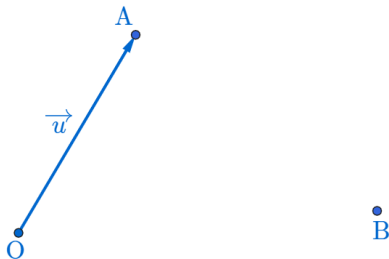
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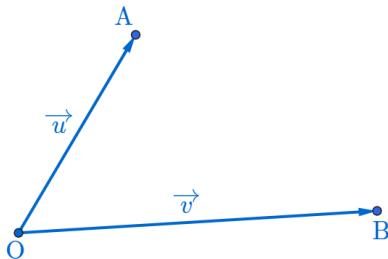
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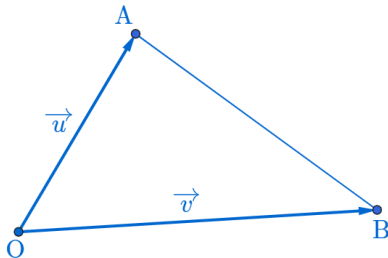
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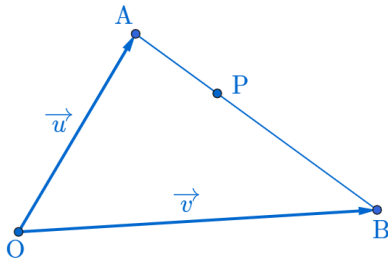


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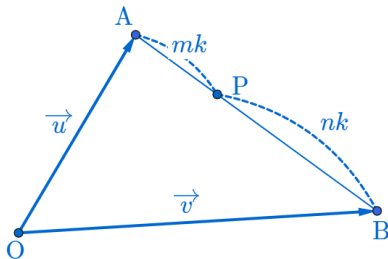




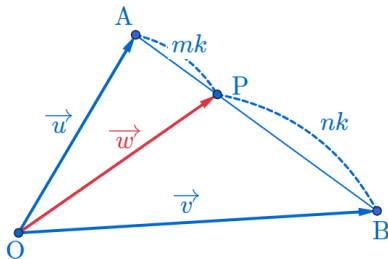
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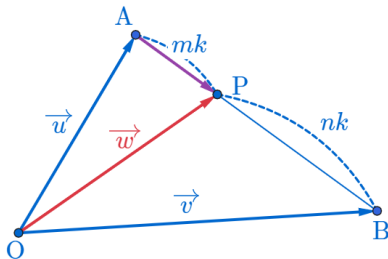
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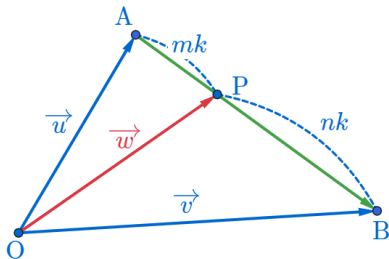
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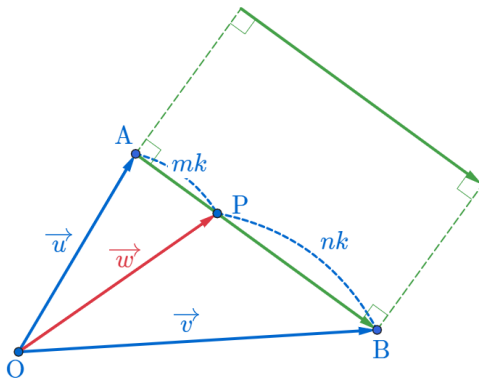
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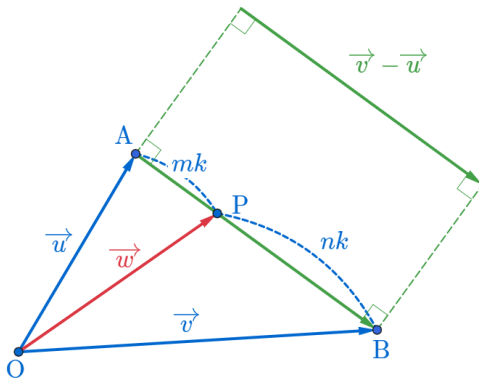
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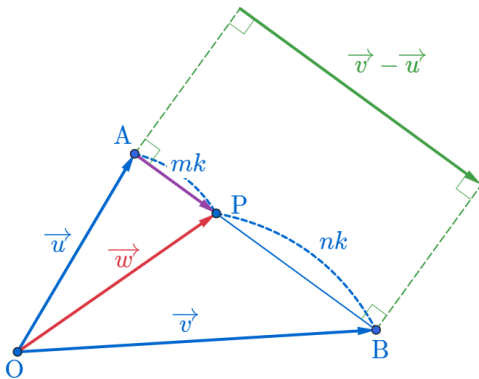
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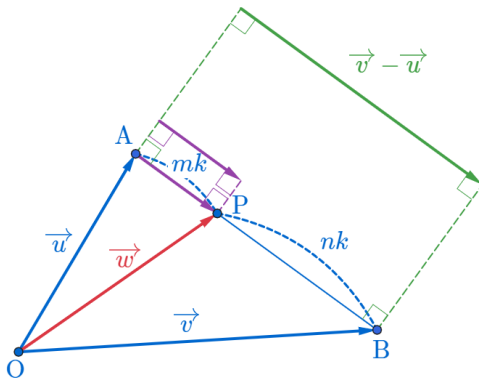


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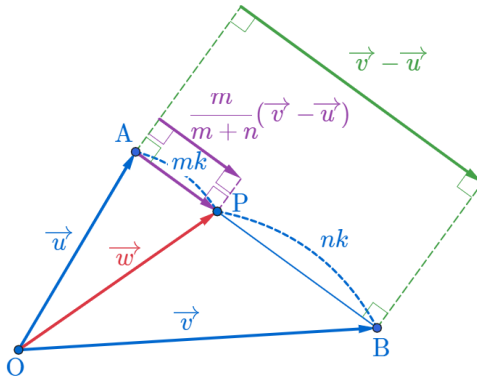




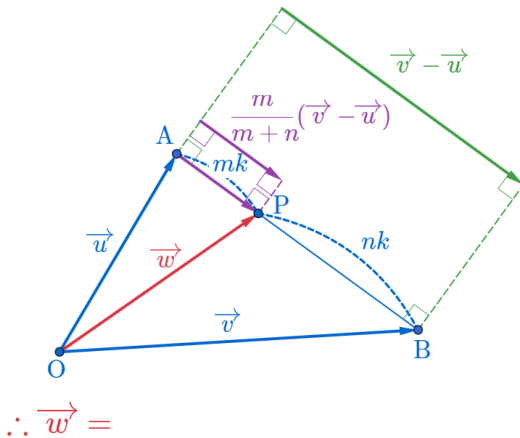
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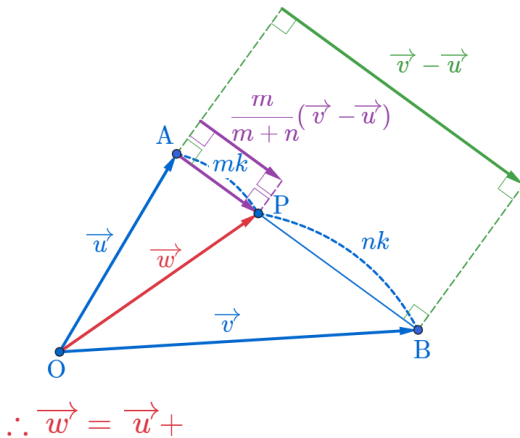
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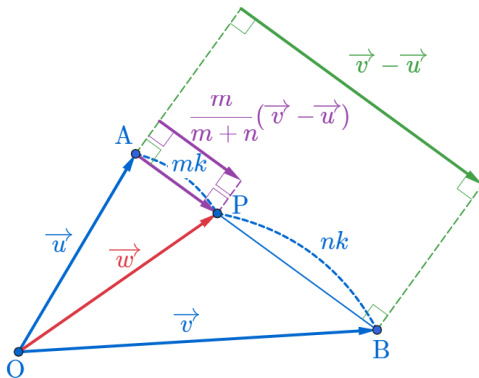
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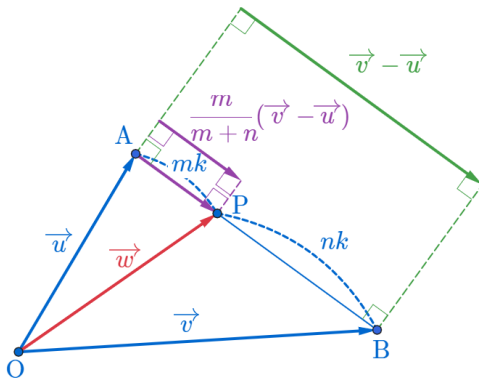


## The Position Vector of a Interior Point of a Line Segment



$$\therefore \vec{w} = \vec{u} + \frac{m}{m+n}(\vec{v} - \vec{u})$$

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$$\therefore \vec{w} = \vec{u} + \frac{m}{m+n}(\vec{v} - \vec{u}) = \frac{n\vec{u} + m\vec{v}}{m+n}$$

Github:

<https://min7014.github.io/math20200708001.html>

Click or paste URL into the URL search bar, and you can see a picture moving.