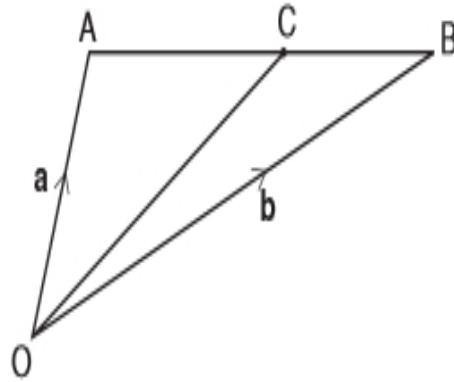


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18 In the triangle, $\vec{OA} = \mathbf{a}$, $\vec{OB} = \mathbf{b}$
and $\vec{AC} = t\vec{AB}$.

$$\vec{OC} = p\mathbf{a} + q\mathbf{b}.$$

Find p and q in terms of t .



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$p = \underline{\hspace{2cm}}$ $q = \underline{\hspace{2cm}}$ [4]
