

벡터를 활용한 삼각형의 내부영역 (Internal Area of a Triangle using Vectors)

Internal Area of a Triangle using Vectors

▶ Start

▶ End

Internal Area of a Triangle using Vectors

▶ Start

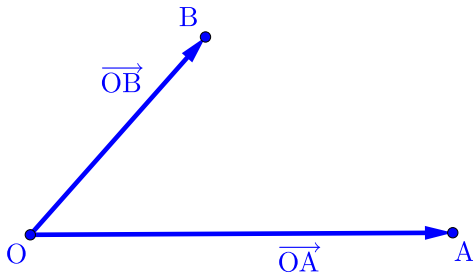
▶ End



Internal Area of a Triangle using Vectors

▶ Start

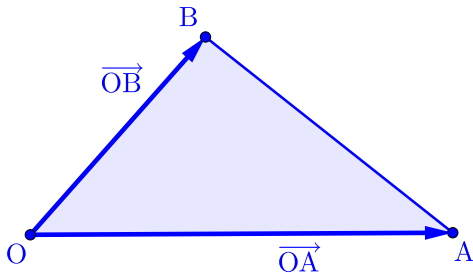
▶ End



Internal Area of a Triangle using Vectors

▶ Start

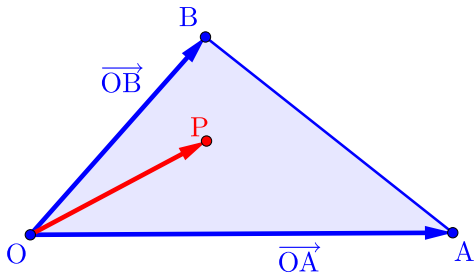
▶ End



Internal Area of a Triangle using Vectors

▶ Start

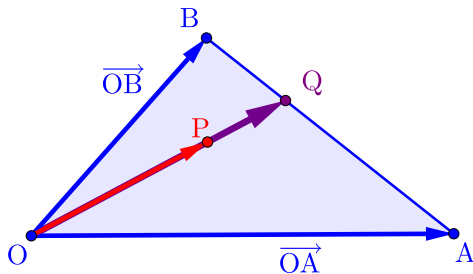
▶ End



Internal Area of a Triangle using Vectors

▶ Start

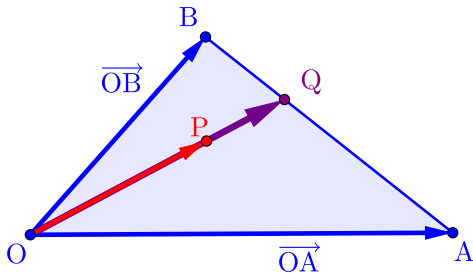
▶ End



Internal Area of a Triangle using Vectors

▶ Start

▶ End

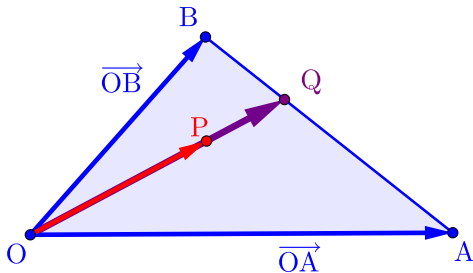


$$\vec{OP} = l\vec{OQ} \quad (0 \leq l \leq 1)$$

Internal Area of a Triangle using Vectors

▶ Start

▶ End



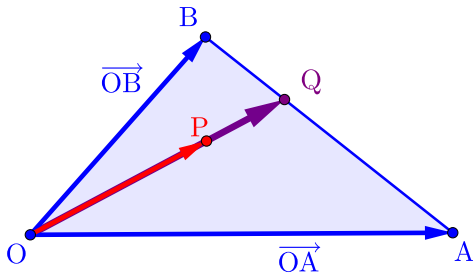
$$\overrightarrow{OP} = l\overrightarrow{OQ} \quad (0 \leq l \leq 1)$$

$$\overrightarrow{OQ} = k\overrightarrow{OA} + (1 - k)\overrightarrow{OB} \quad (0 \leq k \leq 1)$$

Internal Area of a Triangle using Vectors

▶ Start

▶ End



$$\vec{OP} = l\vec{OQ} \quad (0 \leq l \leq 1)$$

$$\vec{OQ} = k\vec{OA} + (1 - k)\vec{OB} \quad (0 \leq k \leq 1)$$

$$\therefore \vec{OP} = l \left\{ k\vec{OA} + (1 - k)\vec{OB} \right\}$$
$$(0 \leq k \leq 1, 0 \leq l \leq 1)$$

Github:

<https://min7014.github.io/math20221109001.html>

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