

$$(\vec{u} + \vec{v}) + \vec{w} = \overrightarrow{AC} + \overrightarrow{CD} = \overrightarrow{AD}$$

$$\vec{u} + (\vec{v} + \vec{w}) = \overrightarrow{AB} + \overrightarrow{BC} = \overrightarrow{AC}$$

