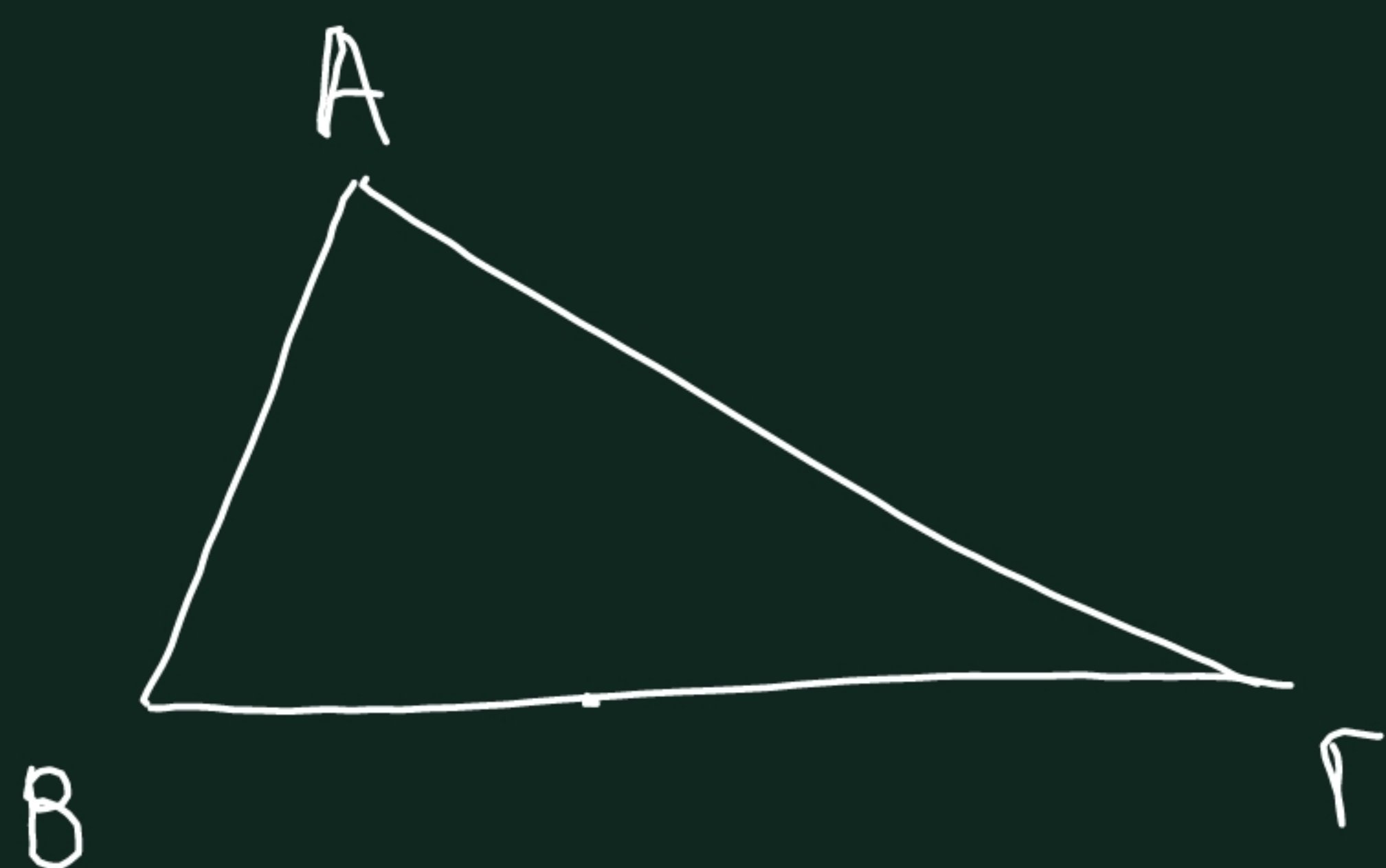


(11)



✓  $\vec{A\Delta} = \kappa \vec{AB} + \lambda \vec{A\Gamma}$

✓  $\vec{AE} = \lambda \vec{AB} + \kappa \vec{A\Gamma}$

✓  $\vec{\Delta E} \parallel \vec{B\Gamma}$

$$\vec{\Delta E} = \vec{AE} - \vec{AD}$$

$$\vec{\Delta E} = \lambda \vec{AB} + \kappa \vec{A\Gamma} - \kappa \vec{AB} - \lambda \vec{A\Gamma} (=)$$

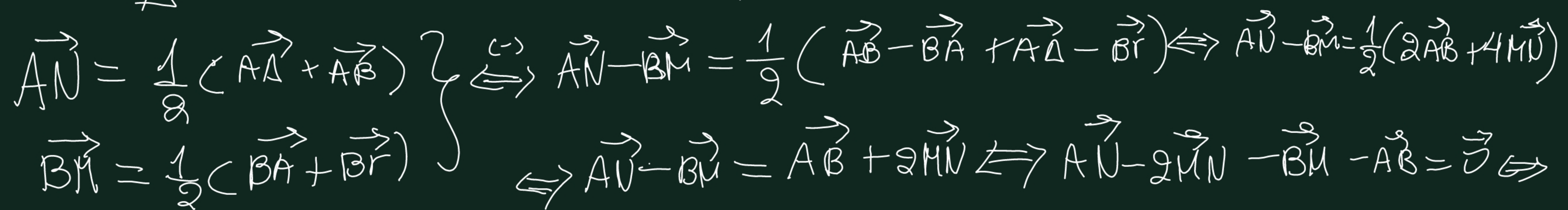
$$\vec{\Delta E} = \vec{AB}(\lambda - \kappa) + \vec{A\Gamma}(\kappa - \lambda) (=)$$

$$\vec{\Delta E} = \vec{AB}(\lambda - \kappa) - \vec{A\Gamma}(\lambda - \kappa) (=)$$

$$\vec{\Delta E} = (\lambda - \kappa)(\vec{AB} - \vec{A\Gamma})$$

$$\vec{\Delta E} = (\lambda - \kappa) \cdot \vec{\Gamma B} (=) \vec{\Delta E} \parallel \vec{\Gamma B}$$



$$4 \vec{MN} = \vec{AD} - \vec{BC}$$


$$\vec{AV} + \vec{NM} + \vec{NK} - \vec{BM} - \vec{AB} = \vec{0} \quad \square$$

$$\vec{A}_1 + \vec{B} + \vec{B}_1 = \vec{0} \Leftrightarrow$$

$$\vec{AM} + \vec{NA} = \vec{0} \quad \text{GD}$$

$$\vec{NM} = \vec{0}, \quad N \equiv M$$