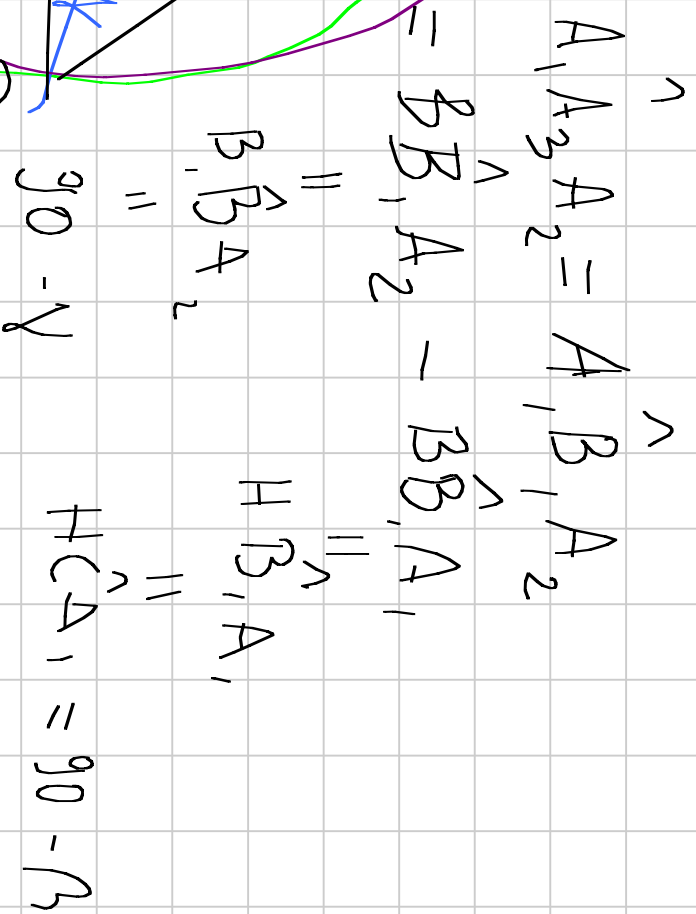
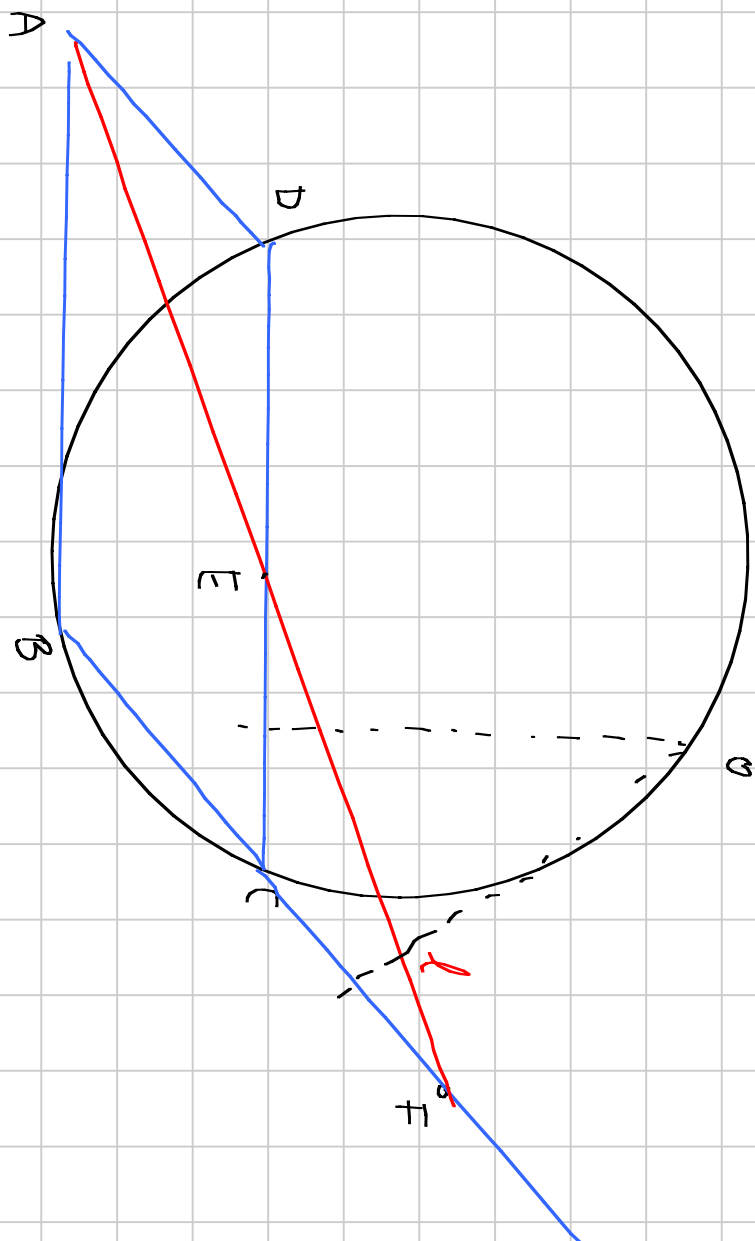
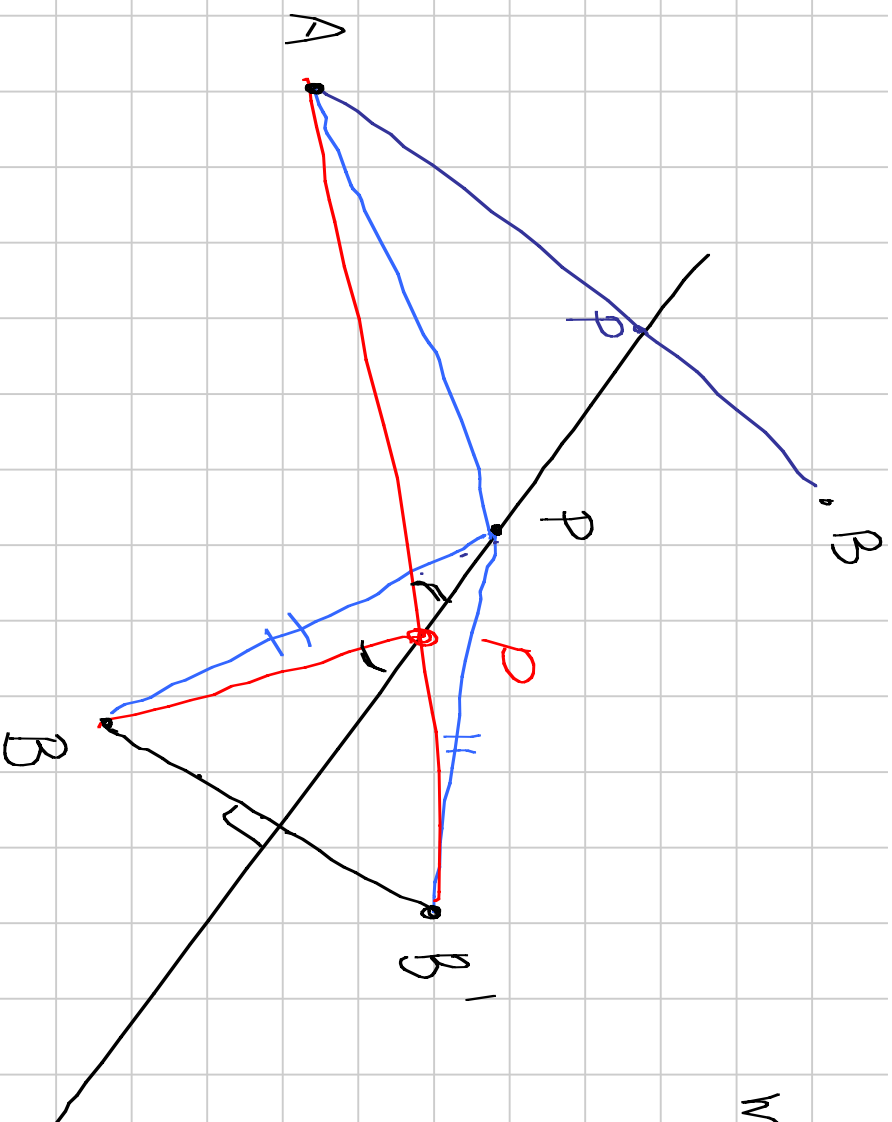


TEST: $L_A R_{-TTA} A_2 A_3$ $\underline{2'}$ $\underline{1}$ a b' c

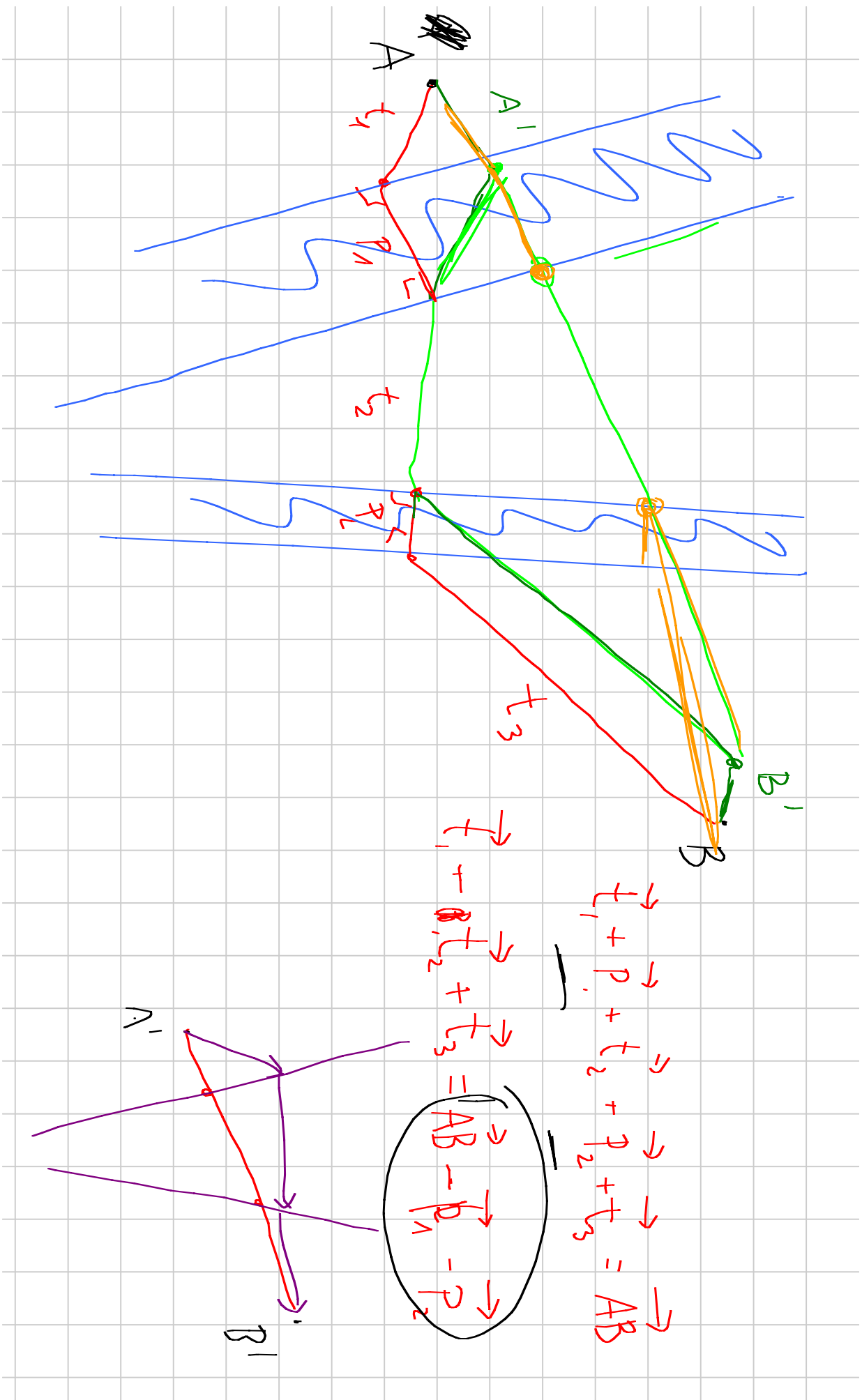




min $AP + PB$

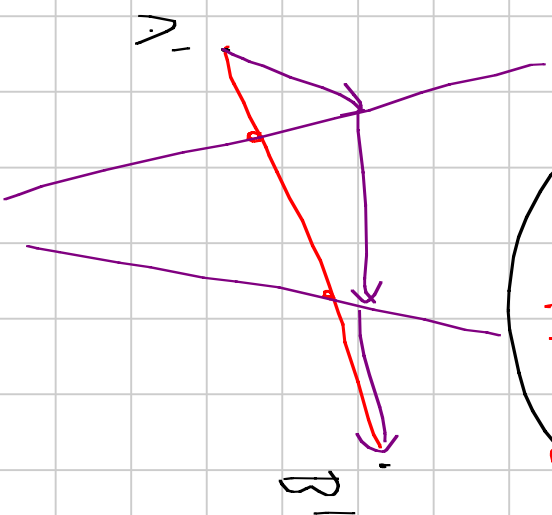


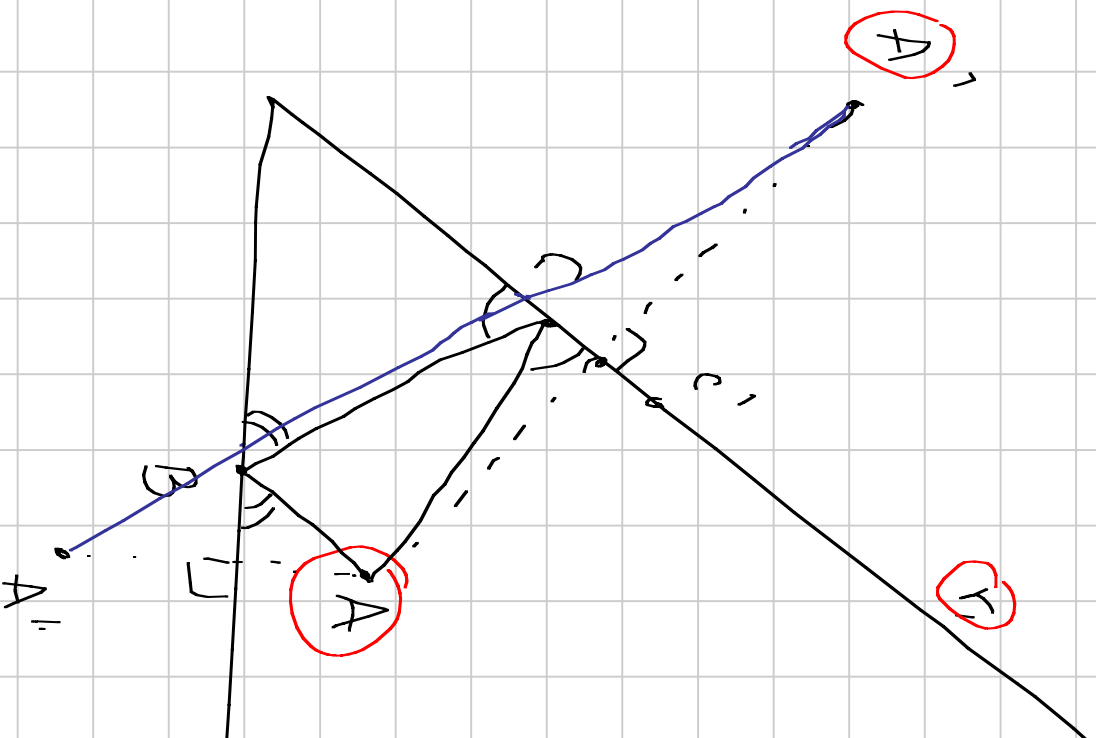
Ques 2



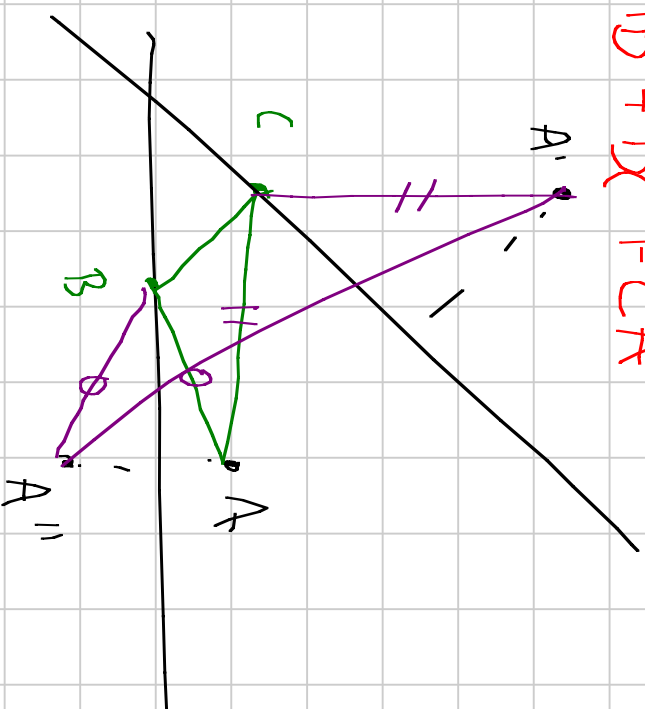
$$\begin{aligned}
 & \vec{t_1} + \vec{p_1} + \vec{t_2} + \vec{p_2} + \vec{t_3} = \vec{AB} \\
 & \vec{t_1} + \vec{p_1} + \vec{t_2} + \vec{p_2} + \vec{t_3} = \vec{AB}
 \end{aligned}$$

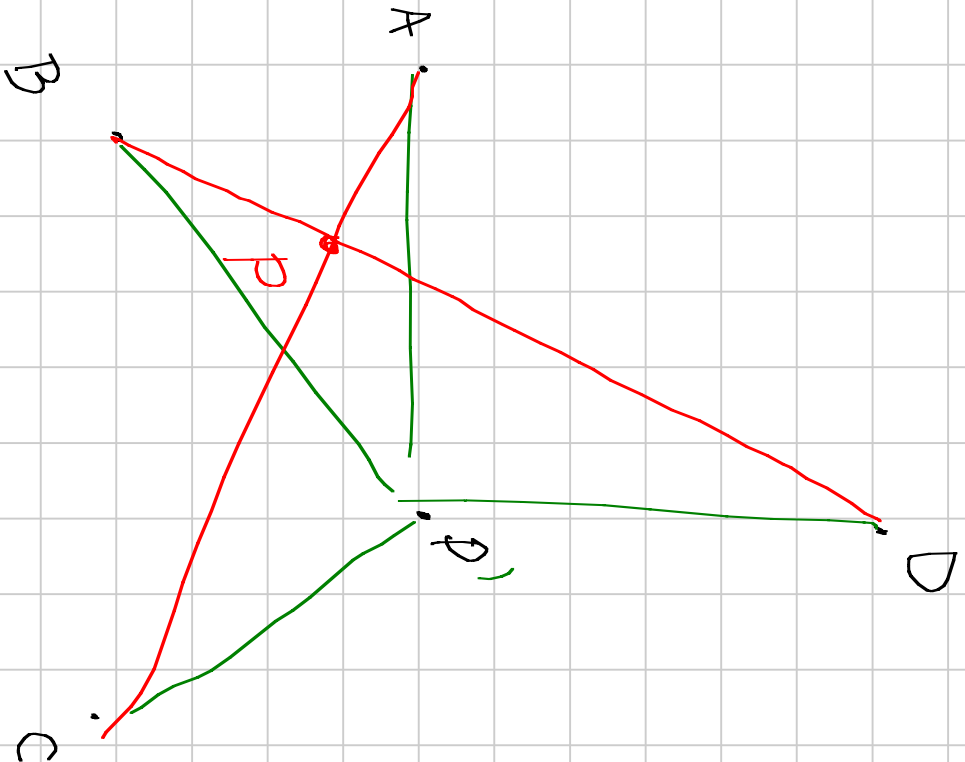
$$\begin{aligned}
 & \vec{t_1} + \vec{p_1} + \vec{t_2} + \vec{p_2} + \vec{t_3} = \vec{AB} \\
 & \vec{t_1} + \vec{p_1} + \vec{t_2} + \vec{p_2} + \vec{t_3} = \vec{AB}
 \end{aligned}$$





with $AB + BC = CA$





$$\min PA + PB + PC + PD$$

$$\min PB + PD \rightsquigarrow P \in BD$$

$$\min PA + PC \rightsquigarrow P \in AC$$

$$P'D + P'B \geq PD + PB$$

$$P'A + P'C \geq PA + PC$$



$$AB^2 + BC^2 + CA^2 \leq 3(OA^2 + OB^2 + OC^2)$$

$$|\vec{V}|^2 = \vec{V} \cdot \vec{V}$$

Scegliamo 0 come origine dei vettori.

$$(\vec{A} - \vec{B}) \cdot (\vec{A} - \vec{B}) + \dots \leq 3(\vec{A} \cdot \vec{A} + \vec{B} \cdot \vec{B} + \vec{C} \cdot \vec{C})$$

$$A^2 + B^2 - 2AB + \dots \leq 3A^2 + 3B^2 + 3C^2$$

$$\text{PUNTO 0} \quad 0 \leq A^2 + B^2 + C^2 + 2AB + 2BC + 2CA$$

$$2 \geq R_0$$



$$0 \leq (A+B+C)^2$$

$$\frac{A+B+C}{3} = 0 = 0$$

0 è il BARICENTRO



$$MA = MB + MC$$

TOLUENE:

$$M_A \cdot BC \stackrel{1}{=} MCAB + MB \cdot AC$$

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