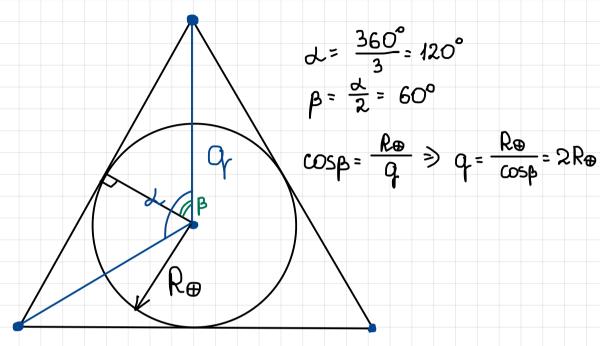
AANO: T= 12"; RO = 6370 KM; MO= 5,974. 1024 KT; C= 300-103 KM

HauTu: t-?

PEWEHUE:

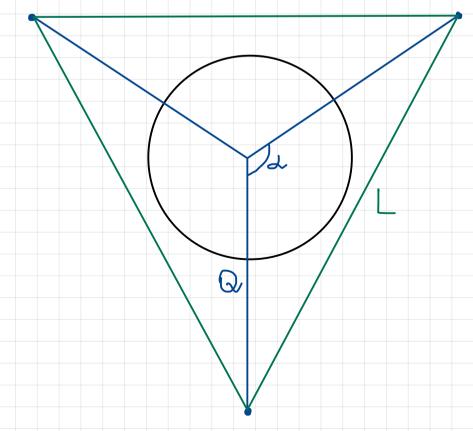
MOMEHT MPOXOMAEHUL CHYTHUKANU NEPUTEEB CBOUX OPBUT:



$$T^{2} = \frac{4 \pi^{2}}{G M_{\Theta}} \cdot G^{3} \Rightarrow G = \sqrt{\frac{G M_{\Theta} T^{2}}{4 \pi^{2}}}$$

$$T^{2} = \frac{4\pi^{2}}{G M_{\oplus}} \cdot \alpha^{3} \Rightarrow \alpha = \sqrt[3]{\frac{G M_{\oplus} T^{2}}{4\pi^{2}}}$$

$$Q + Q = 2\alpha \Rightarrow Q = 2\sqrt{\frac{G M_{\oplus} T^{2}}{4\pi^{2}}} - 2R_{\oplus} \approx 40.492 \text{ km}$$



$$\frac{L}{C} = \frac{\sqrt{3} Q}{C} \approx 0.23 c$$

OTBET: 0,23 C