Дамо: $M_1 = M_2 = M_3 = M_0 = 1,989.10^{30} \, k_{\Gamma}; T_1 = T_2 = T = 25^d; \ \Omega_3 = 100 \, G$ Найти: $T_3 - ?$

PEWEHUE:

HAULEN PACCTOOHUE MEMAY LBYNG 3BEZLAMU B TECHOU DAPE:

$$T^{2} = \frac{4 \pi^{2}}{G \cdot 2M_{0}} \cdot A^{3} \quad (\text{no } \mathbb{I} \text{ 3-Hy kennera})$$

$$Q = \sqrt{\frac{2GH_0T^2}{4T^2}} \approx 31.5 \cdot 10^6 \text{ km}$$

HAÛLÊM TENEPH NEPUOL OFFAMEHUL TPETHEÛ BEBLH, KO-TOPAS OFFAMAFTUR BOKPYT CUCTEMHI C CYMMAPHOÙ MAC-COÛ 3MO:

$$T_3 = \sqrt{\frac{4\pi^2 \cdot (1000)^3}{3GM0}} \approx 55.88$$