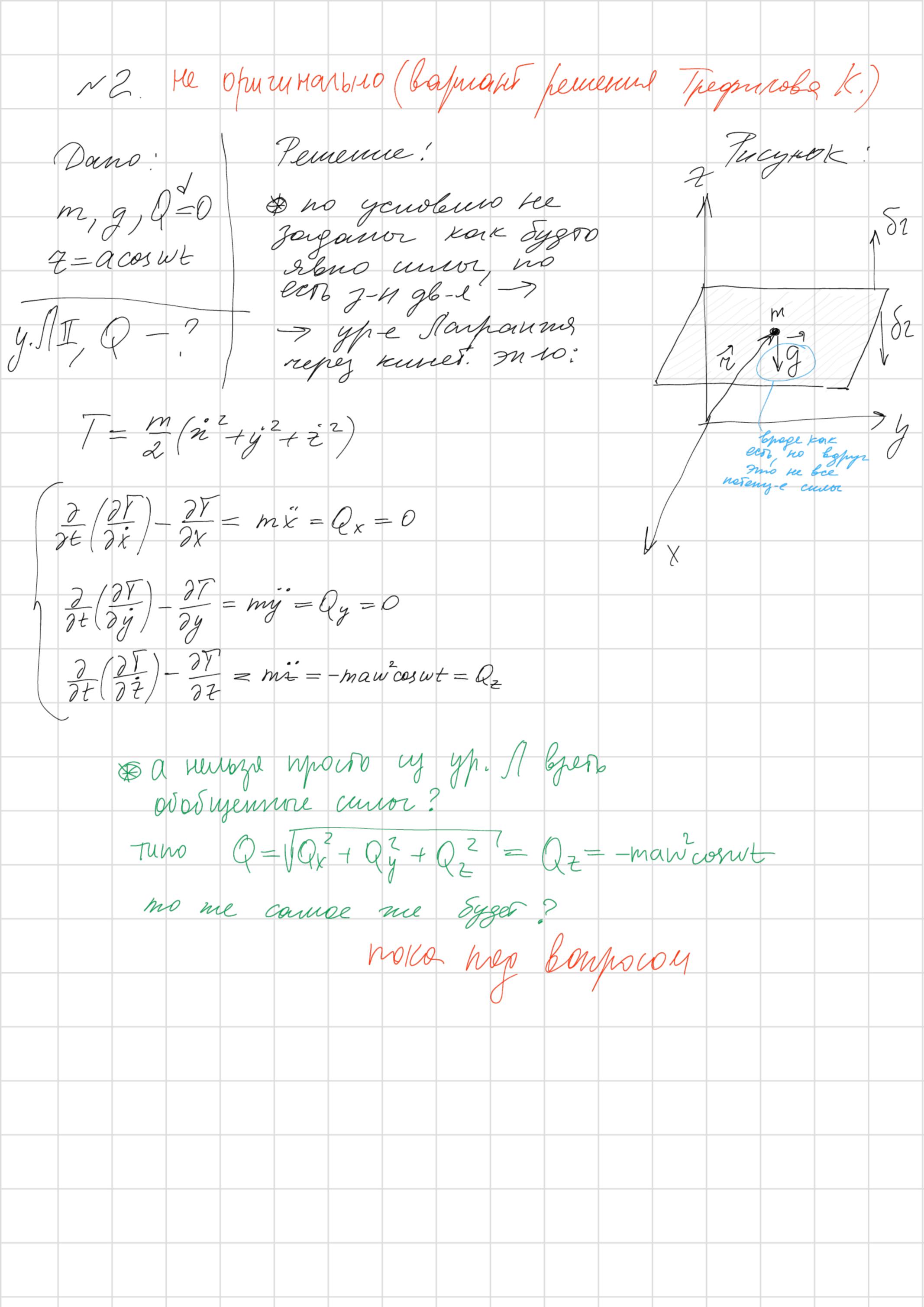
Dev agennore allo. 07 6es Penenue: Licytok Dano To your brus gans now, mornes $S = 3 \cdot 1 - 0 = 3$ morker = runo negotox Koopguner 5. Compneured & ACK. Emoson høyend ype donful hung, new x opnus mon ne kunet. I hobery. In. T= m22 T= m/jz + jz+ = 2) U=-mg-2 $U = m(\vec{g}, \vec{z})$ H-I Souparuma: $L = I - G = \frac{m}{2} \left(\frac{2 \cdot 2 \cdot 2}{x + y + 7} \right) + mg2$

The Markonhung It pogs. $\frac{\partial}{\partial t}\left(\frac{\partial L}{\partial \dot{x}}\right) - \frac{\partial L}{\partial x} = \frac{\partial}{\partial t}\left(m\dot{x}\right) - 0 = m\dot{x} = Q_{\dot{x}} = 0$ $\frac{\partial}{\partial t}\left(\frac{\partial U}{\partial y}\right) - \frac{\partial U}{\partial y} = \frac{\partial}{\partial t}(my) - 0 = my = Qy = 0$ $\frac{\partial}{\partial t} \left(\frac{\partial L}{\partial \dot{z}} \right) - \frac{\partial L}{\partial z} = \frac{\partial}{\partial t} \left(m \dot{z} \right) + m \dot{p} = m \left(\frac{z}{z} + g \right) = Q_z = 0$ To onpereumo asosugemere cuer: $Q = \sum_{i} \frac{52i}{5g}$ houney ayral gang F=mg $Q_{\chi} = -\frac{\partial}{\partial \chi} (mgZ) = 0$ Q = - 2 (mgz) = mg



Dano, Pemenne. tucyrok! $m_1, m_2, g, Q=0$ bygles parcus de gbe bgons go $2 + m_1 = -1$ $\sqrt{3}$ $\sqrt{3}$ $\sqrt{3}$ $\sqrt{3}$ y.MI,Q-? B uny reportenunch hury morky my u mz 96-Ce C openor - Gi CK-1610 (V=V2): $-\delta y_1 = \delta y_2$ Runervicuone Fine curseum; hyer l- har howe T= m, y² / m² y² - m, +m², ;² Tosemynanthan me $M_1 = m_1 g y$ => $low_y = m_1 gy + m_2 g(l+(l-y)) =$ (U2 = m2g(l+(l-y)) $=g(m,y+m_22l-m_2y)=$ $=gm_22l+yg(m,-m_2)$ Fel Conpound $L = T - U = \frac{m_1 + m_2}{2} y^2 - gm_2 2l - yg(m_1 - m_2)$ The Soupauna: $\frac{\partial}{\partial t} \left(\frac{\partial U}{\partial \dot{y}} \right) - \frac{\partial U}{\partial y} = \frac{\partial}{\partial t} \left((m_1 + m_2) \dot{y} \right) + g(m_1 - m_2) = (m_1 + m_2) \dot{y} + g(m_1 - m_2) = Q = 0$ Overyennal and! $Q_y = -\frac{\partial U}{\partial y} = -\frac{\partial U}{\partial y} (gm_x 2l + yg(m_1 - m_2)) = -g(m_1 - m_2)$