$$g = const$$

Boquexune buoquine gamuse:

 $goi Voitnon; Li$
 $y(t) = yo - \frac{gt^2}{2}$ $V_g(t) = -gt$
 $X(t) = Vo \cdot t$ $V_X(t) = Vo$

1)
$$y_0 \neq v_0$$
 $y(t_{non}) = 0 \Rightarrow y_0 = \frac{g t_{non}^2}{2} \Rightarrow t_{non} = \sqrt{\frac{2y_0}{g}}$
 $\chi(t_{non}) = L \Rightarrow L = v_0 \cdot t_{non}$

2) yoi than — He xbataet gammax (
$$L = V_0 \cdot t_{non} - 2$$
 heuzbectmax)
+ $L: V_0 = \frac{L_1}{t_{non}}$

3)
$$y_{oj}L_i$$
: $t_{non} = \sqrt{\frac{2y_o}{g}}$; $V_o = \frac{L_i}{t_{non}}$

4)
$$V_{oj}t_{non}$$
: $L_{i}=V_{o}\cdot t_{non}$, $y_{o}=\frac{gt_{non}}{2}$

5)
$$V_{0j}L$$
: $t_{non} = \frac{L}{V_{0}}$; $y_{0} = \frac{g t_{non}^{2}}{2}$

6) then; L:
$$V_0 = \frac{L}{t_{NON}}$$
; $y_0 = \frac{g t_{NON}}{2}$

$$y$$
ραβμεμμε μραεκτοριια:
 $y(x) = y_0 - \frac{g x^2}{2 V_0^2}$

Bektop Kohermoù CKOPOCTU:

$$U_{KOM} X = V_0$$
 $U_{KOM} Y = g \cdot t_{NON}$
 $V_{KOM} Y = g \cdot t_{NON}$
 $V_{KOM} Y = g \cdot t_{NON}$
 $V_{KOM} Y = g \cdot t_{NON}$