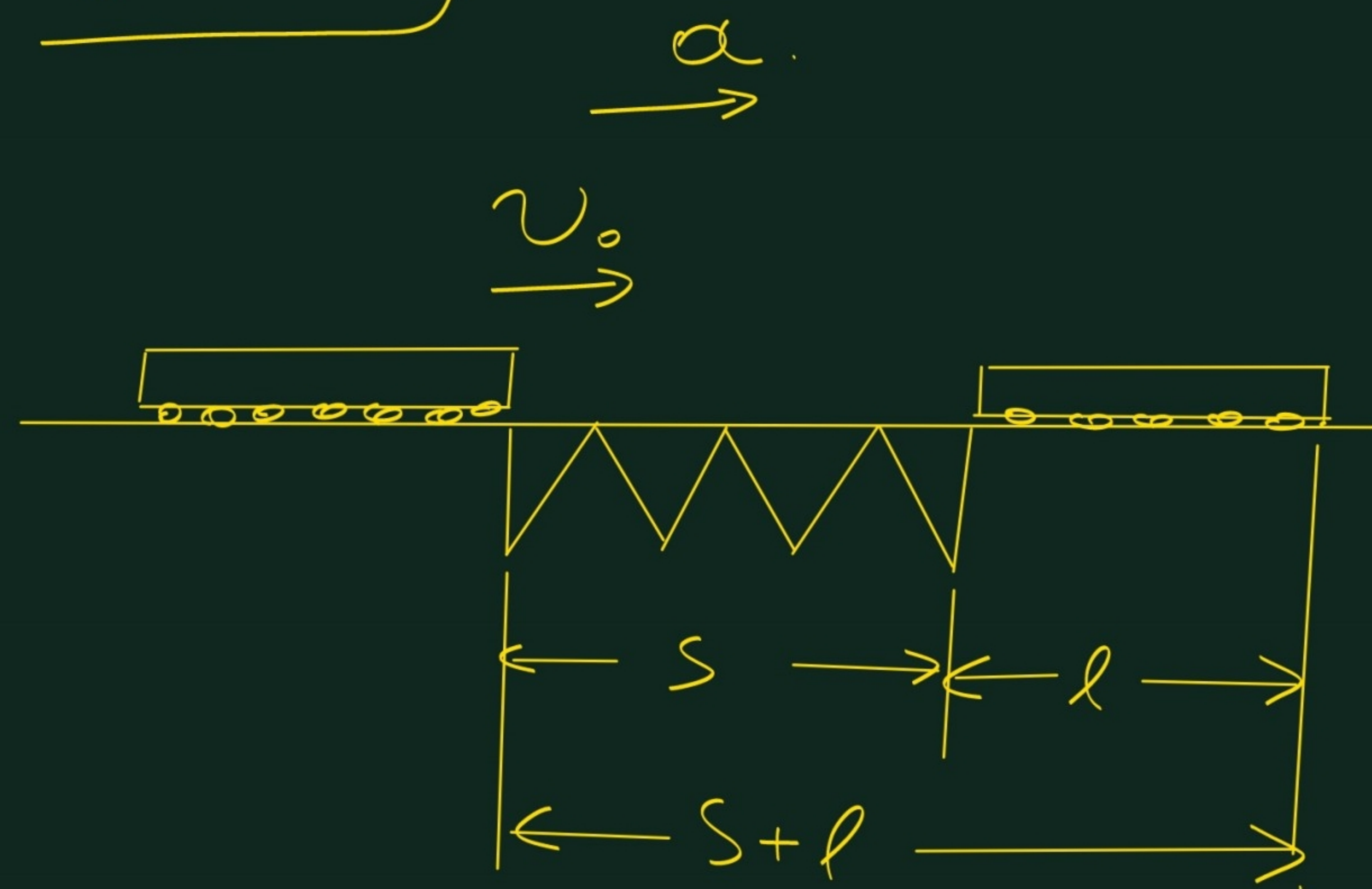


Абу. 14



$$S + l = v_0 \cdot t + \frac{1}{2} a \cdot t^2 \Rightarrow 125 = 20t + \frac{1}{2} \cdot 2 \cdot t^2 \Rightarrow$$

$$t^2 + 20t - 125 = 0$$

$$\alpha = 1, \beta = 20, \gamma = -125$$

$$\Delta = \beta^2 - 4\alpha\gamma = 20^2 - 4 \cdot 1 \cdot (-125) = \\ = 400 + 500 = 900$$

$$t_{1,2} = \frac{-\beta \pm \sqrt{\Delta}}{2\alpha} = \frac{-20 \pm 30}{2} \Rightarrow$$

$$t_1 = \frac{-20 + 30}{2} = 5 \text{ sec} \text{ сэрхи}$$

$$t_2 = -25 \text{ sec} \text{ хопоо.}$$

