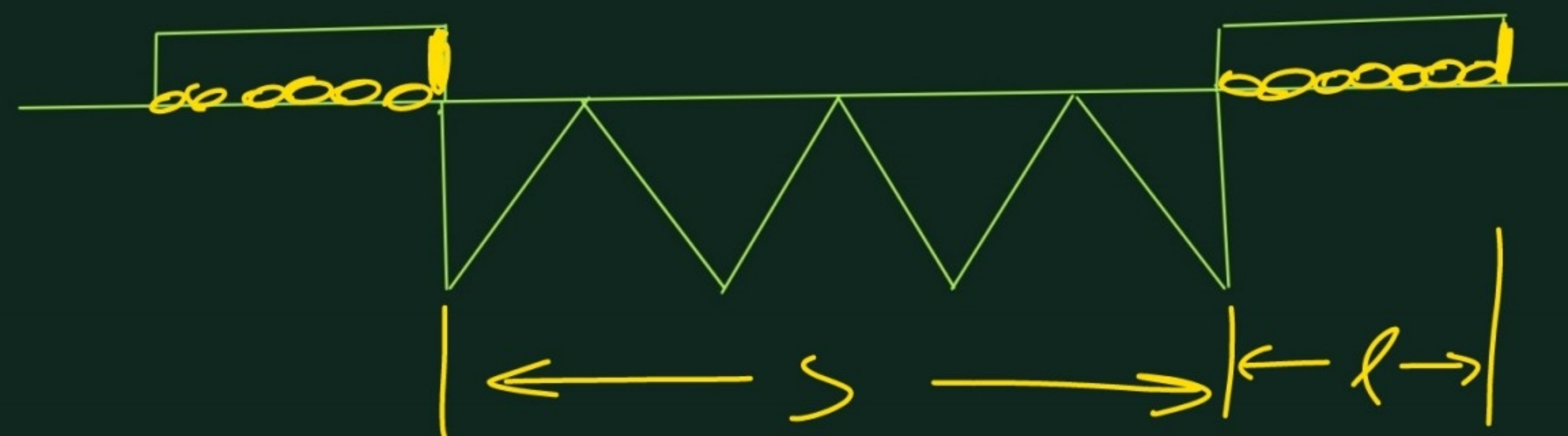


А6u.2 6ελ.69.)



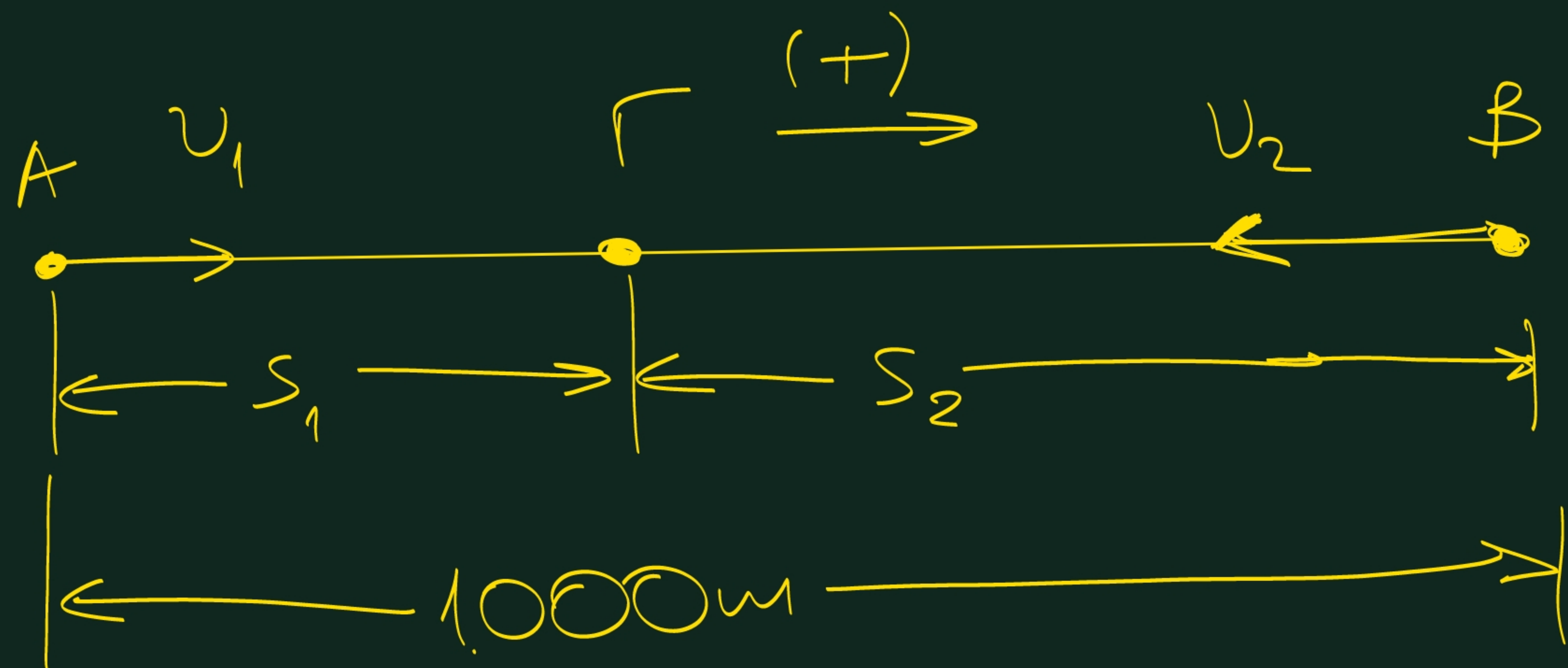
$$v = \frac{s+l}{\Delta t} \Rightarrow 10 = \frac{1980+20}{\Delta t} \Rightarrow$$

$$\frac{10}{1} = \frac{2000}{\Delta t} \Rightarrow \Delta t = 200 \text{ sec}$$

Atau. 4 $\text{det} \cdot 69$)

$$v_1 = 36 \text{ km/h} = \frac{36.000 \text{ m}}{3.600 \text{ sec}} = 10 \text{ m/s.}$$

$$v_2 = 54 \text{ km/h} = \frac{54.000 \text{ m}}{3.600 \text{ sec}} = 15 \text{ m/s.}$$



$$A. \quad s_1 = v_1 t = 10t$$

$$s_2 = v_2 t = 15t$$

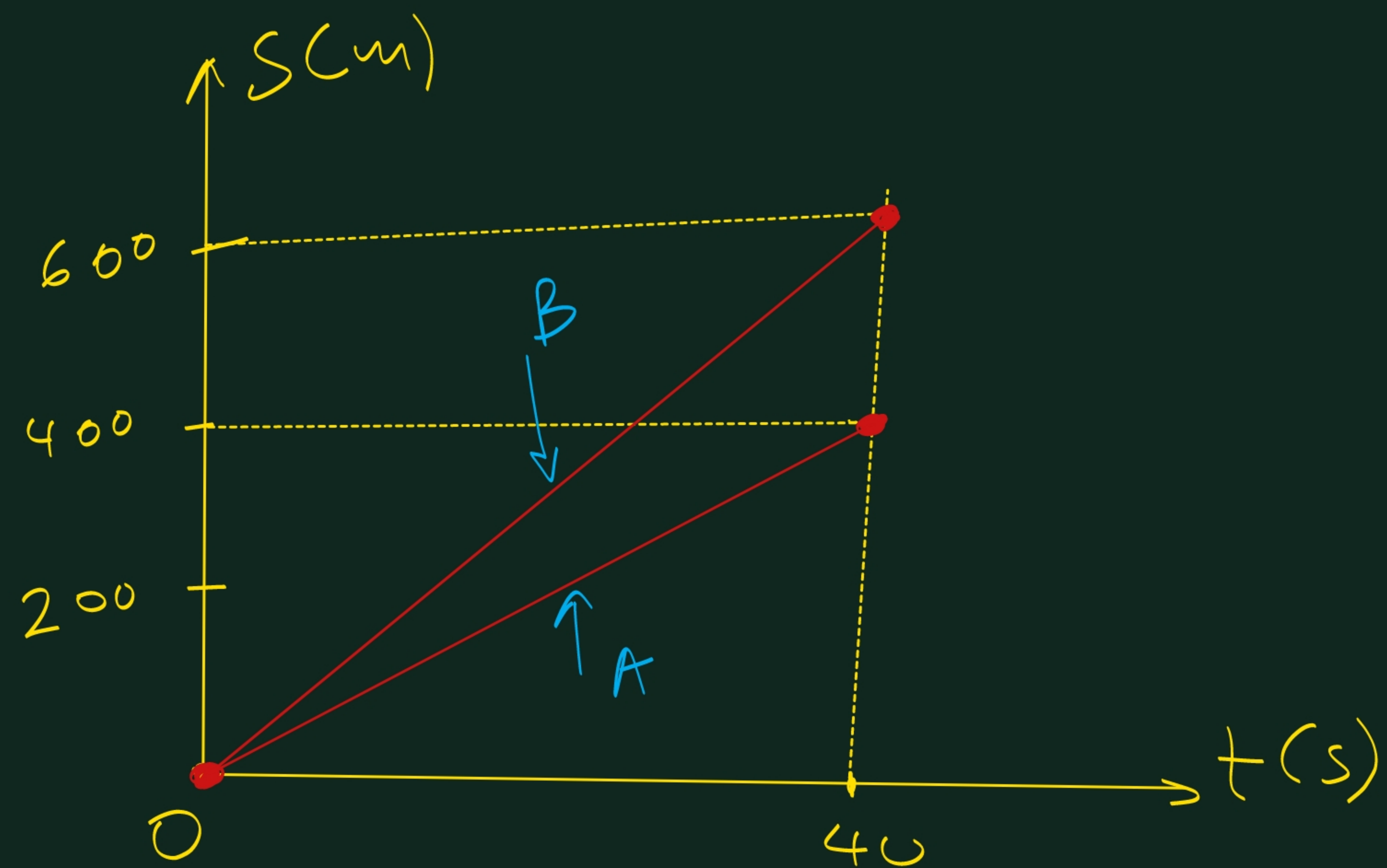
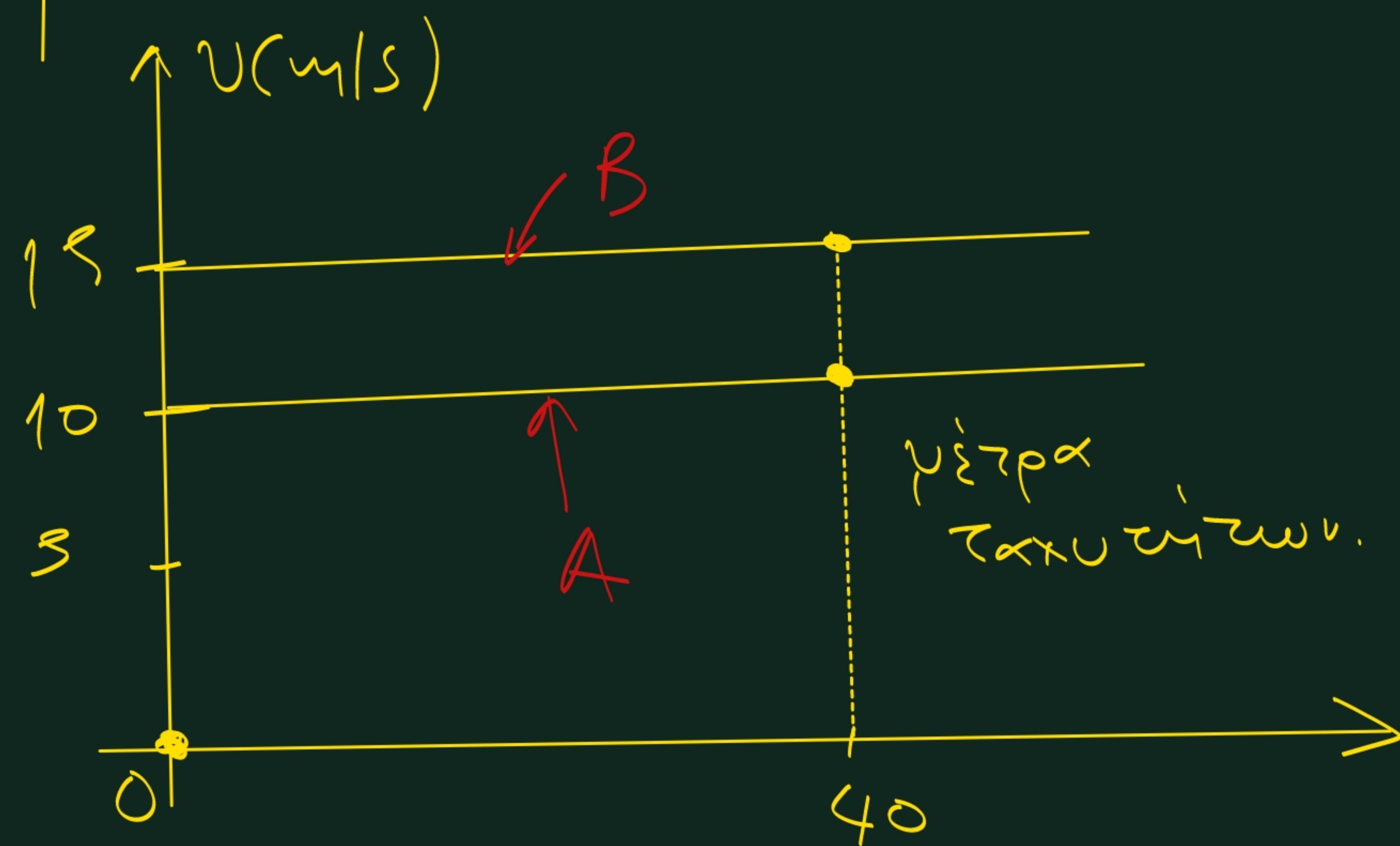
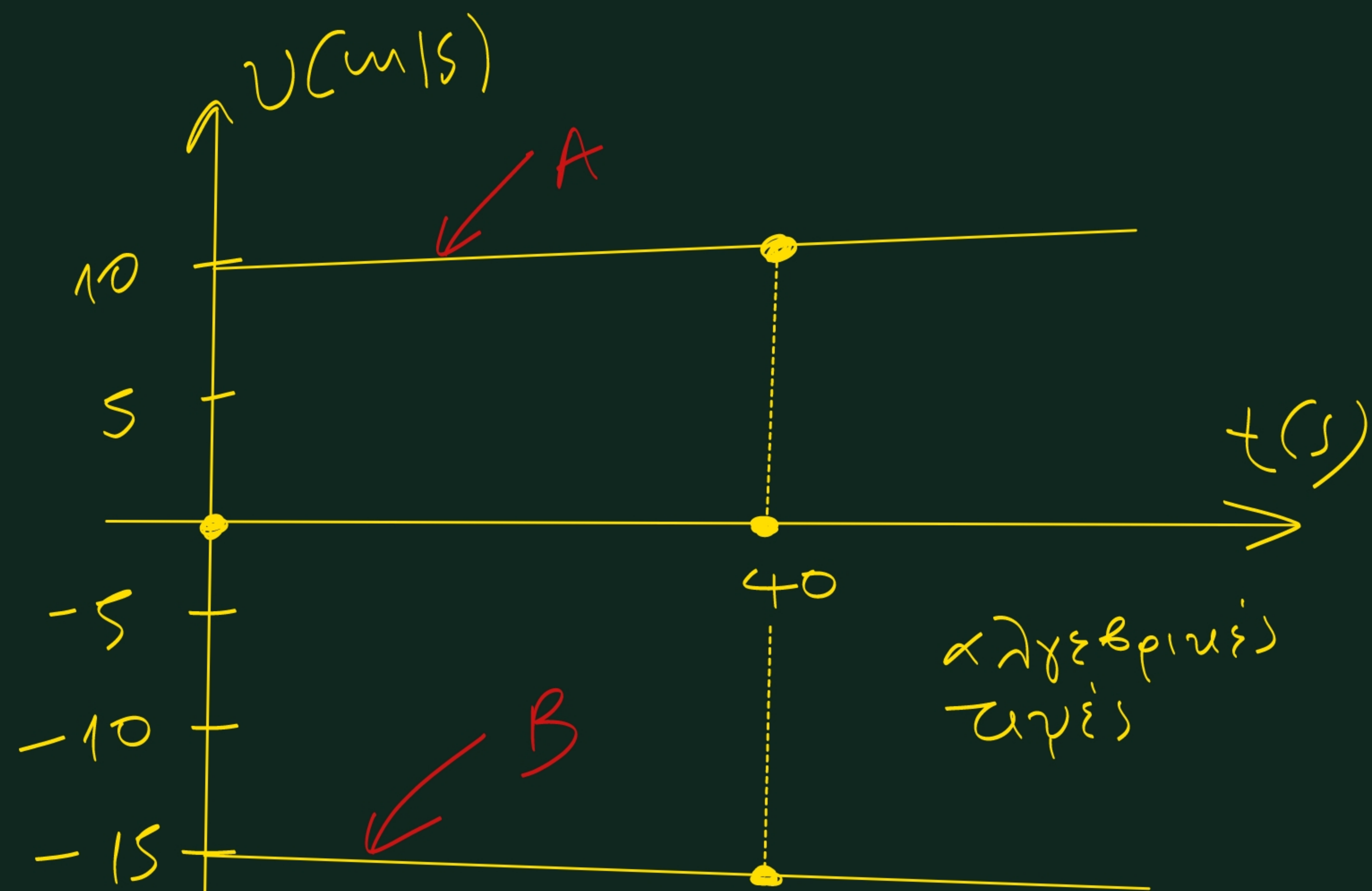
$$s_1 + s_2 = 1000 \text{ m} \Rightarrow$$

$$10t + 15t = 1000 \Rightarrow$$

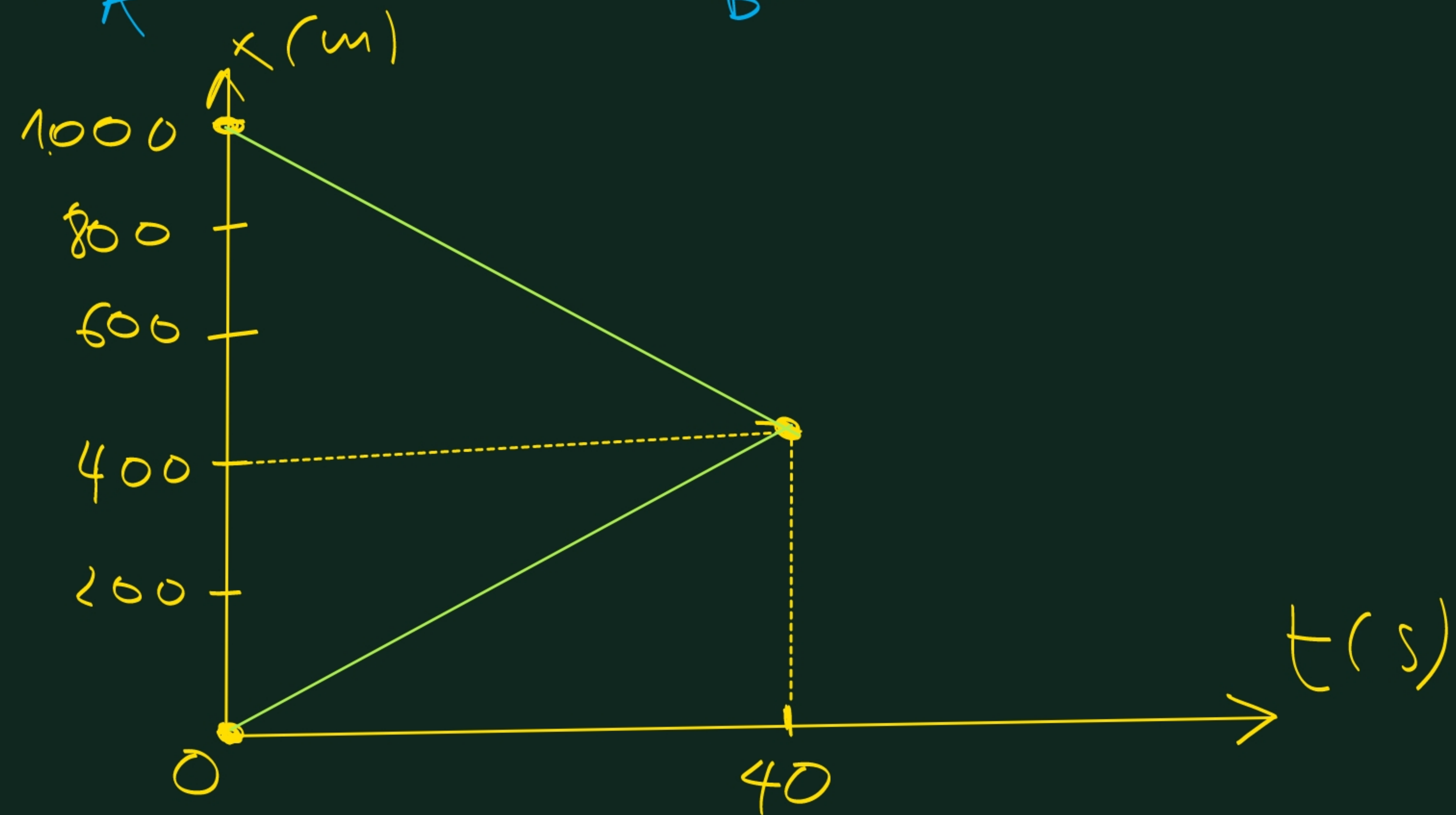
$$\frac{25t}{25} = \frac{1000}{25} \Rightarrow t = 40 \text{ sec}$$

$$s_1 = v_1 t = 40 \cdot 10 = 400 \text{ m}$$

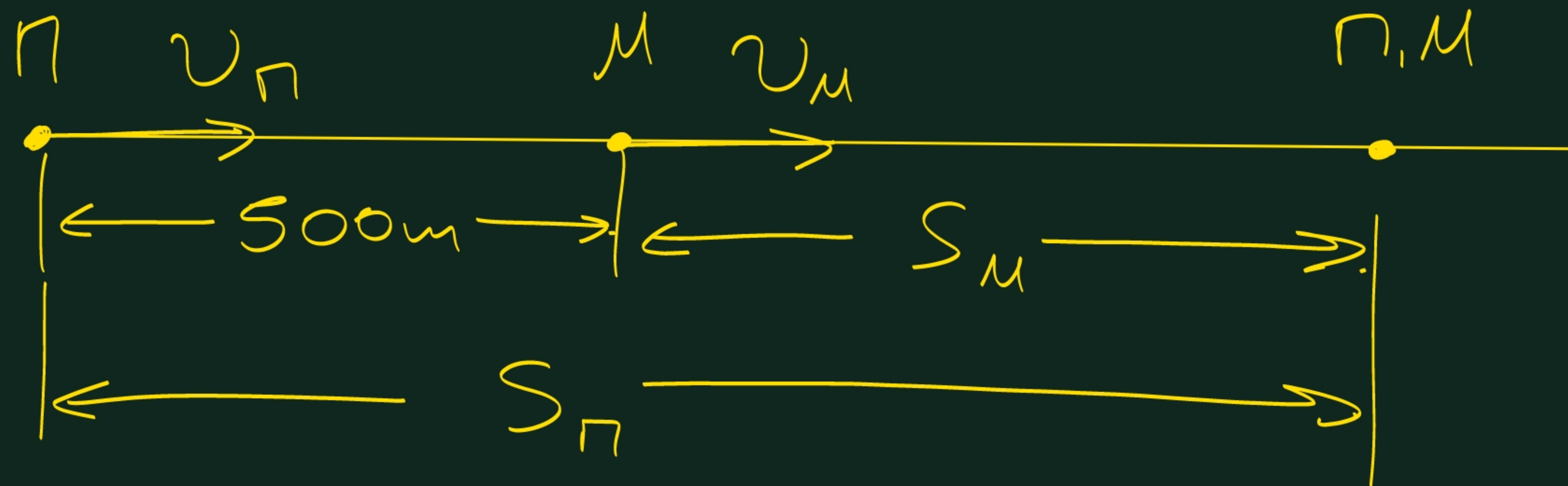
$$s_2 = v_2 t = 40 \cdot 15 = 600 \text{ m}$$



$$X_A(0) = 0 \text{ m} \quad X_B(0) = +1000 \text{ m}$$



Αβλ. 5 εκλ. 69.)



A. $S_N - S_M = 500 \Rightarrow$

$v_N \cdot t - v_M \cdot t = 500 \Rightarrow$

$30 \cdot t - 20 \cdot t = 500 \Rightarrow$

$\frac{10t}{10} = \frac{500}{10} \Rightarrow t = 50 \text{ sec}$

B. $S_N = v_N \cdot t \Rightarrow$

$S_N = 30 \cdot 50 \Rightarrow$

$S_N = 1500 \text{ m}$

Αβλ. 6 εκλ. 69)

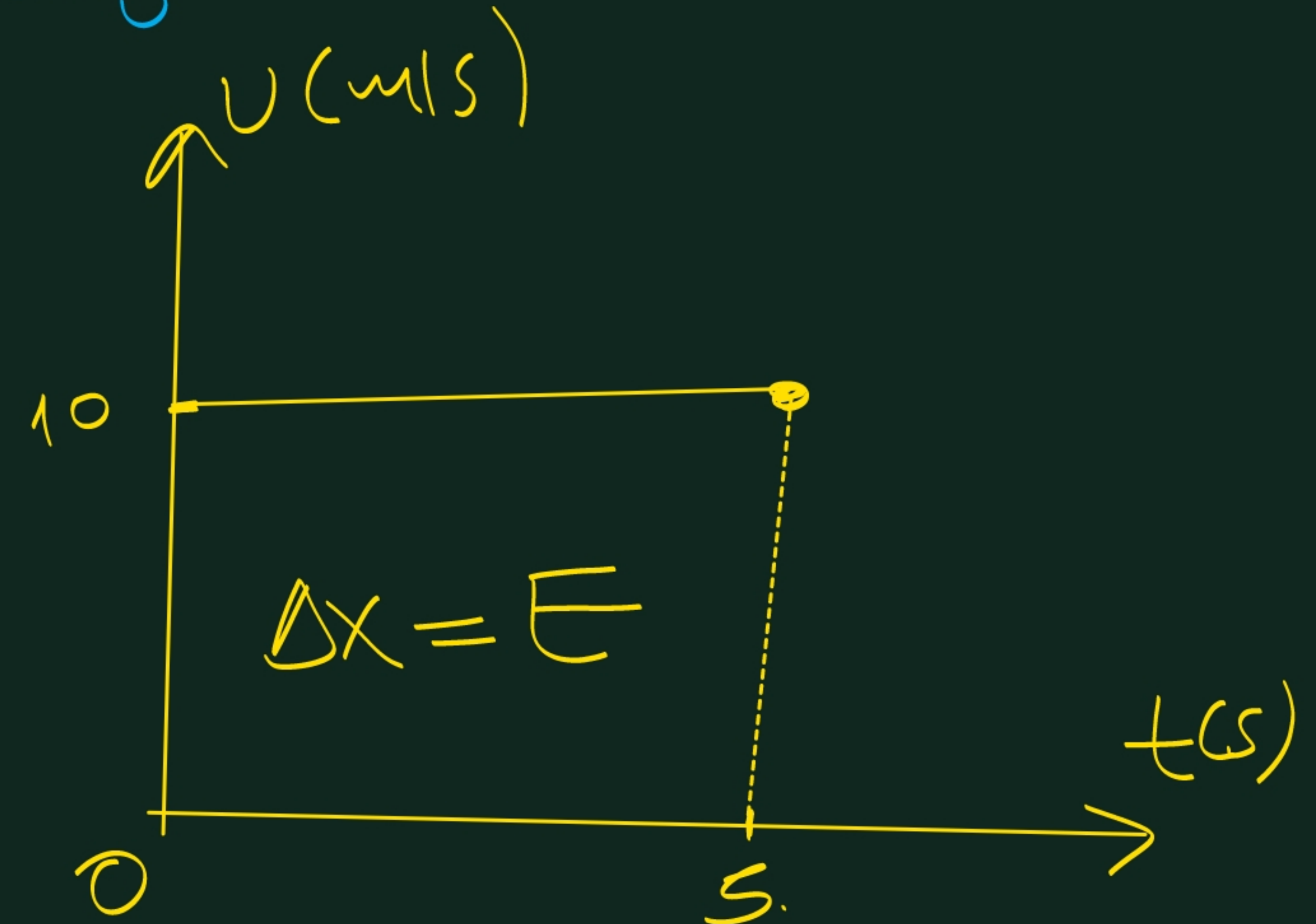
$x = 10t \text{ (SI)}$

$x = x_0 + vt \text{ (εξίσωση θέσης)}$

$x = 0 + 10 \cdot t$

Αprox: $x_0 = 0 \text{ m}$

$v = 10 \text{ m/s}$



$\Delta x = 10 \cdot 5 = 50 \text{ m}$

$\Delta x = S = X \text{ (αν } x_0 = 0)$