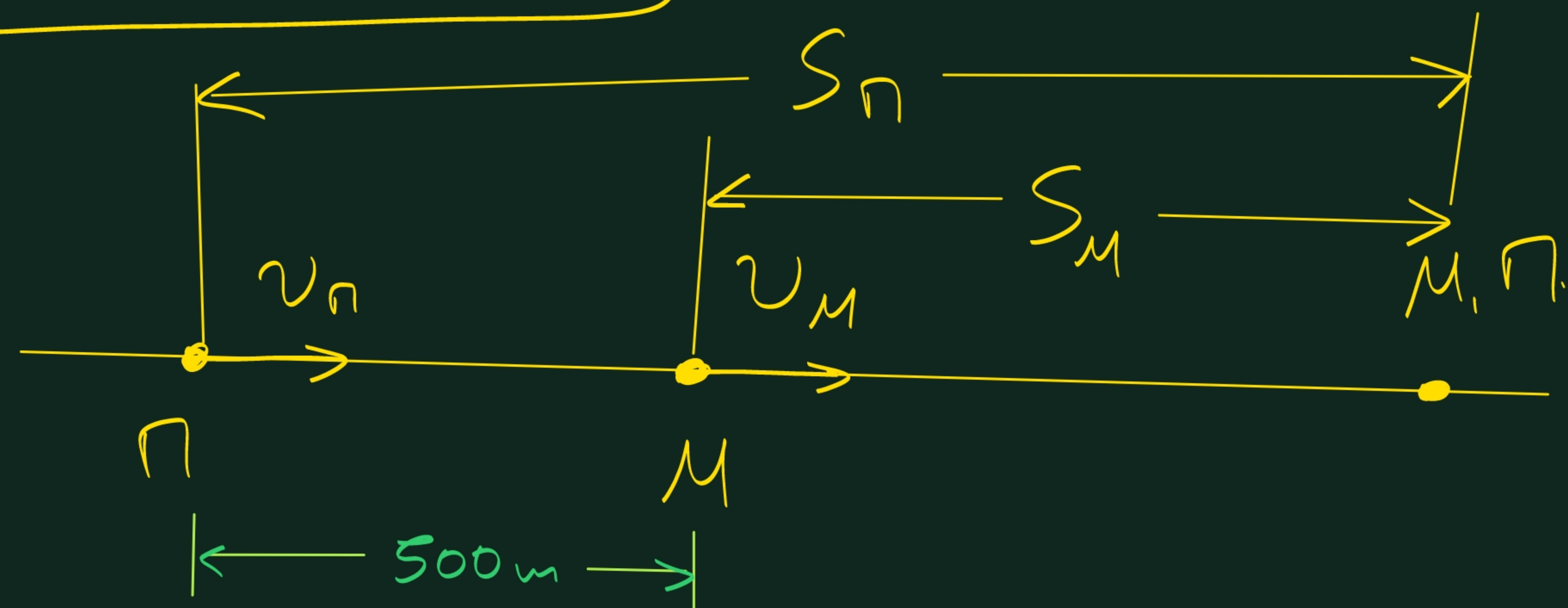


Αδυν. 5 βελ. 69.)



$$v_\Gamma = 30 \text{ m/s} = 108 \text{ km/h}$$

$$10 \text{ m/s} = 36 \text{ km/h}$$

$$v_\mu = 20 \text{ m/s} = 72 \text{ km/h}$$

$$A. S_\Gamma - S_\mu = 500 \Rightarrow$$

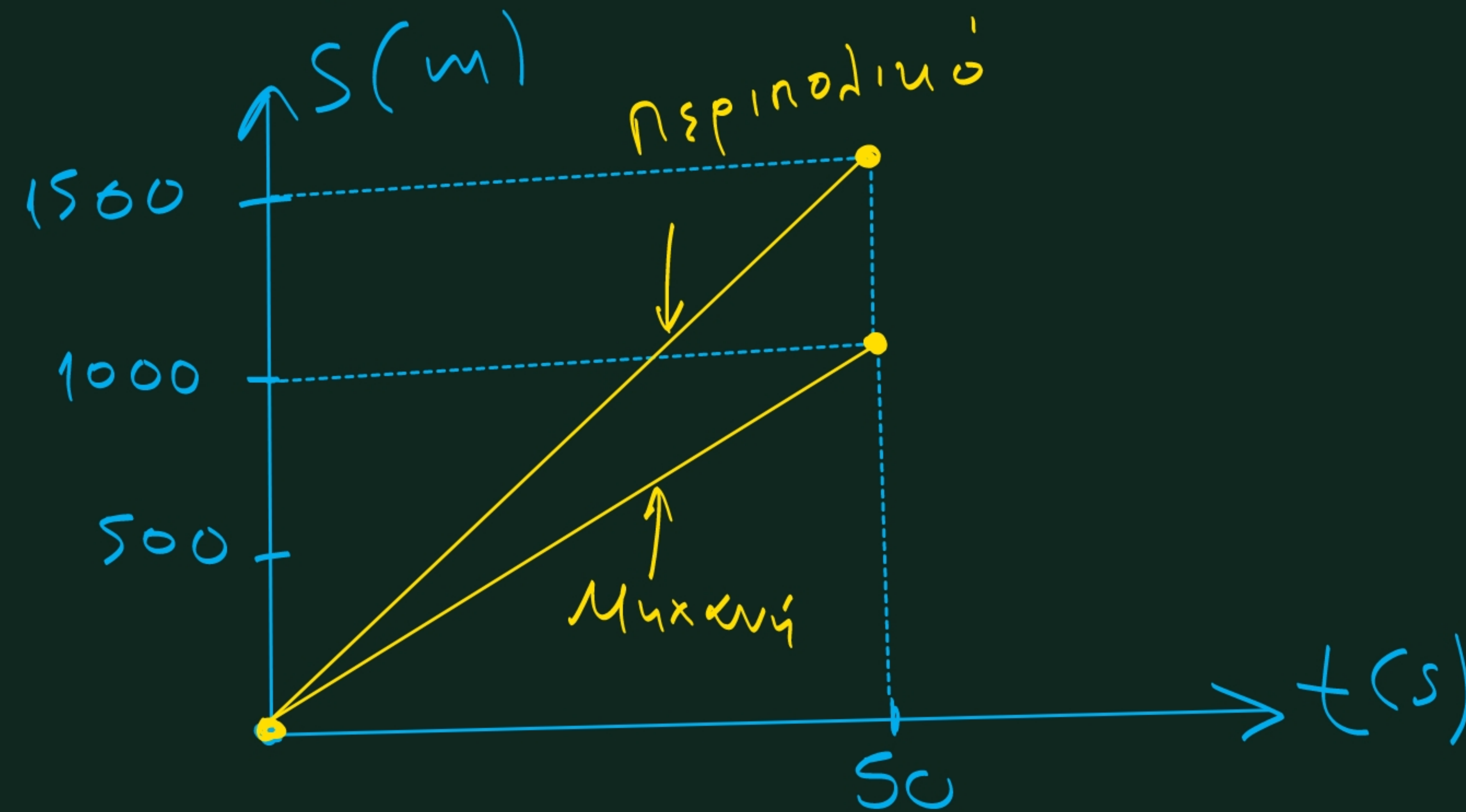
$$v_\Gamma \cdot t - v_\mu \cdot t = 500 \Rightarrow$$

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

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

$$B. S_\Gamma = v_\Gamma \cdot t = 30 \cdot 50 = 1500 \text{ m.}$$

$$Γ. S_\mu = v_\mu \cdot t = 20 \cdot 50 = 1000 \text{ m.}$$



Αν. 6 εελ. 69.)

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

$$S = x = \Delta x$$

αν $x_0 = 0$ και η μινυση
εχει θετική φορά.

$$\begin{array}{l} x = v \cdot t \\ x = 10 \cdot t \end{array} \Rightarrow v = 10 \text{ m/s}$$

ευθύγραμμη
ομαλή.

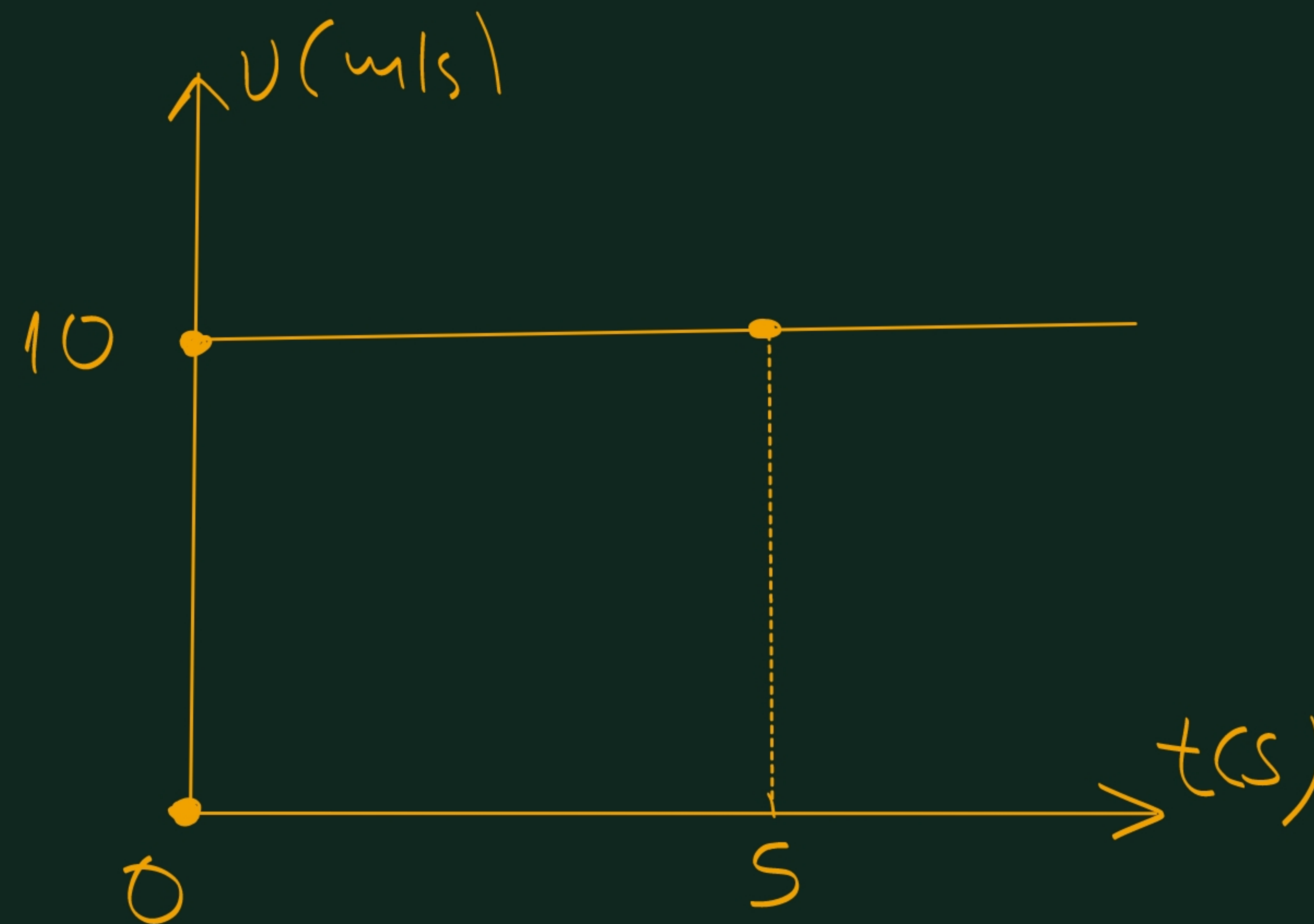
//



$$x = -5 + 3t \text{ (SI.)}$$

$$x = x_0 + vt$$

$$x_0 = -5 \text{ m (αρχική θέση)}$$
$$v = 3 \text{ m/s}$$



$$S = x$$

Αρα: $S = v \cdot t \Rightarrow$

$$S = 10 \cdot 5 \Rightarrow$$
$$S = 50 \text{ m}$$

