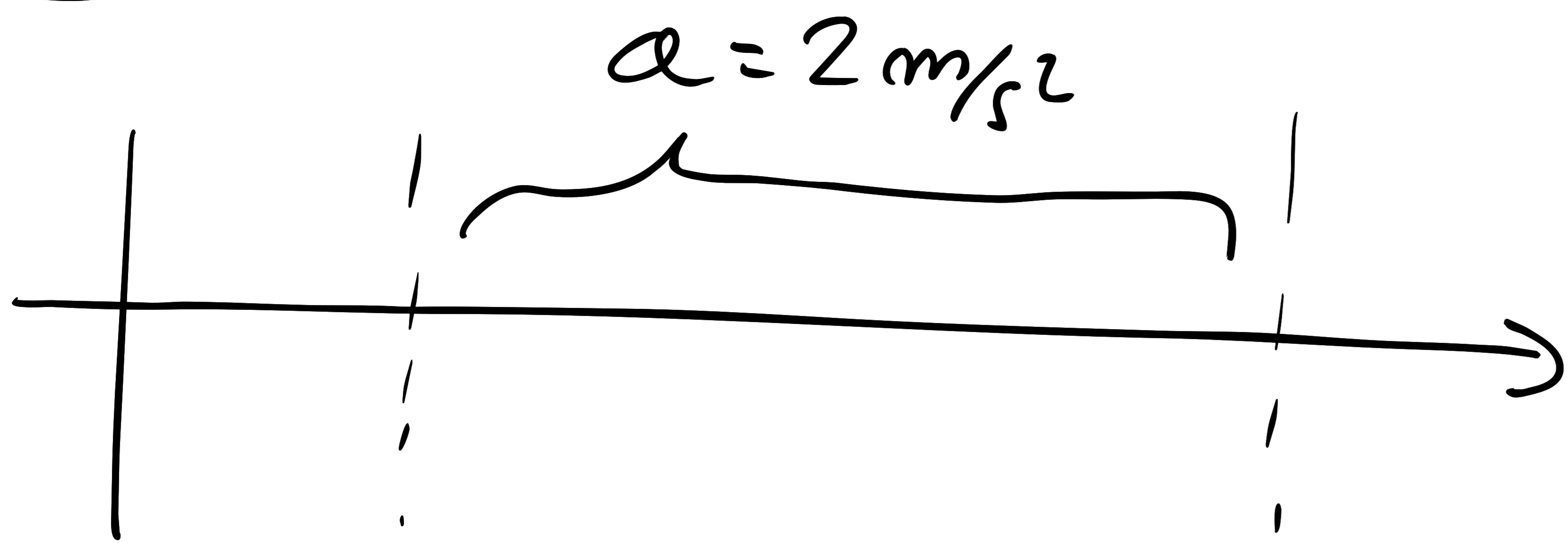


Ejercicio 7 de M.R.U.A.



$$v_0 = 12 \text{ m/s}$$

$$v_f = 144 \frac{\text{km}}{\text{h}} \cdot \frac{1 \text{ h}}{3600 \text{ s}} \cdot \frac{1000 \text{ m}}{1 \text{ km}} = 40 \text{ m/s}$$

M.R.U.A. $\rightarrow v = v_0 + a \cdot t$

↓

$$(40 \text{ m/s}) = (12 \text{ m/s}) + a \cdot t$$

↓

$$(40 \text{ m/s}) = (12 \text{ m/s}) + \left(2 \frac{\text{m}}{\text{s}^2}\right) \cdot t \quad \rightarrow$$

$$\rightarrow t = \frac{(40 - 12) \text{ m/s}}{2 \text{ m/s}^2} = 14 \text{ s}$$

RECUERDA PONER
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