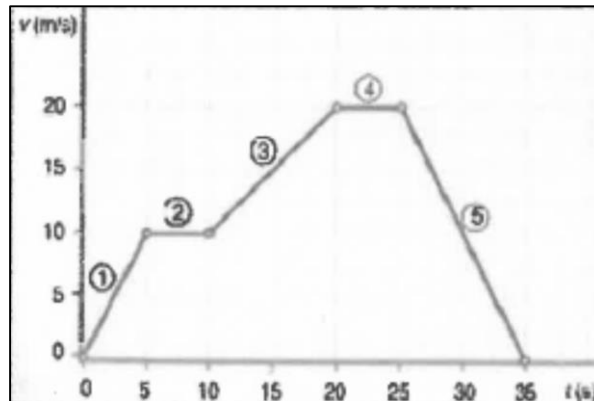


HZU.-HZUA.- V/T GRAFIKOAK .-ARIKETA EBAZPENAK 1,2

1.-Ondoko irudian higikari baten abiadura-denbora motako grafikoa adierazi da. Tarte bakoitzean:

- higidura mota
- azelerazioa
- ibilitako distantzia

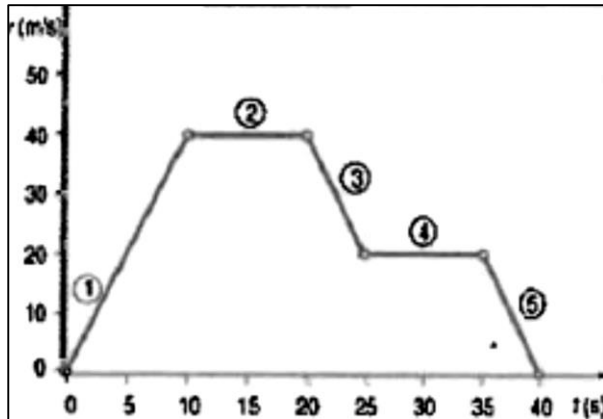


	v_0	t_0	Higidura mota	Azelerazioa ($a = \frac{v-v_0}{t-t_0}$)	Distantzia Δs <small>HZU $\Delta s = v \cdot \Delta t$ HZUA $\Delta s = v_0 \Delta t + \frac{1}{2} a \Delta t^2$</small>
①	$v_0 = 0$ $v = 10 \text{ m/s}$	$t_0 = 0 \text{ s}$ $t = 5 \text{ s}$	HZUA $a > 0$ $v \uparrow$	$a = \frac{10-0}{5-0} = 2 \text{ m/s}^2$	$\Delta s = 0 \cdot 5 + \frac{1}{2} \cdot 2 \cdot 5^2 = 25 \text{ m}$
②	$v_0 = 10 \text{ m/s}$ $v = 10 \text{ m/s}$	$t_0 = 5 \text{ s}$ $t = 10 \text{ s}$	HZU $v = k \cdot t$	0	$\Delta s = 10 \cdot (10-5) = 50 \text{ m}$
③	$v_0 = 10 \text{ m/s}$ $v = 20 \text{ m/s}$	$t_0 = 10 \text{ s}$ $t = 20 \text{ s}$	HZUA $a > 0$ $v \uparrow$	$a = \frac{20-10}{20-10} = 1 \text{ m/s}^2$	$\Delta s = 10 \cdot 10 + \frac{1}{2} \cdot 1 \cdot 10^2 = 150 \text{ m}$
④	$v_0 = 20 \text{ m/s}$ $v = 20 \text{ m/s}$	$t_0 = 20 \text{ s}$ $t = 25 \text{ s}$	HZU $v = k \cdot t$	0	$\Delta s = 20 \cdot 5 = 100 \text{ m}$
⑤	$v_0 = 20 \text{ m/s}$ $v = 0 \text{ m/s}$	$t_0 = 25 \text{ s}$ $t = 35 \text{ s}$	HZUA $a < 0$ $v \downarrow$	$a = \frac{0-20}{35-25} = -2 \text{ m/s}^2$	$\Delta s = 20 \cdot 10 + \frac{1}{2} \cdot (-2) \cdot 10^2 = 100 \text{ m}$
$\Delta s_T = 425 \text{ m}$					

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2.-Ondoko irudian higikari baten abiadura-denbora motako grafikoa adierazi da.Tarte bakoitzean:

- higidura mota
- azelerazioa
- ibilitako distantzia



②	HIGIDURA MOTA	ΔZELERAZIOA $a = \frac{v - v_0}{t - t_0}$	DISTANTZIA HZU $\Rightarrow \Delta s = v \cdot \Delta t$ HZUA $\Rightarrow \Delta s = v_0 \cdot \Delta t + \frac{1}{2} a \Delta t^2$
$v_0 = 0 \text{ m/s } t_0 = 0 \text{ s}$ $v = 40 \text{ m/s } t = 10 \text{ s}$ $\Delta t = 10 \text{ s}$	HZUA $a > 0$	$a = 4 \text{ m/s}^2$	$\Delta s_1 = 200 \text{ m}$
$v_0 = 40 \text{ m/s } t_0 = 10 \text{ s}$ $v = 40 \text{ m/s } t = 20 \text{ s}$ $\Delta t = 10 \text{ s}$	HZU $a = 0$	$a = 0$	$\Delta s_2 = 400 \text{ m}$
$v_0 = 40 \text{ m/s } t_0 = 20 \text{ s}$ $v = 20 \text{ m/s } t = 25 \text{ s}$ $\Delta t = 5 \text{ s}$	HZUA $a < 0$	$a = -4 \text{ m/s}^2$	$\Delta s_3 = 150 \text{ m}$
$v_0 = 20 \text{ m/s } t_0 = 25 \text{ s}$ $v = 20 \text{ m/s } t = 35 \text{ s}$ $\Delta t = 10 \text{ s}$	HZU $a = 0$	$a = 0$	$\Delta s_4 = 200 \text{ m}$
$v_0 = 20 \text{ m/s } t_0 = 35 \text{ s}$ $v = 0 \text{ m/s } t = 40 \text{ s}$ $\Delta t = 5 \text{ s}$	HZUA $a < 0$	$a = -4 \text{ m/s}^2$	$\Delta s_5 = 50 \text{ m}$