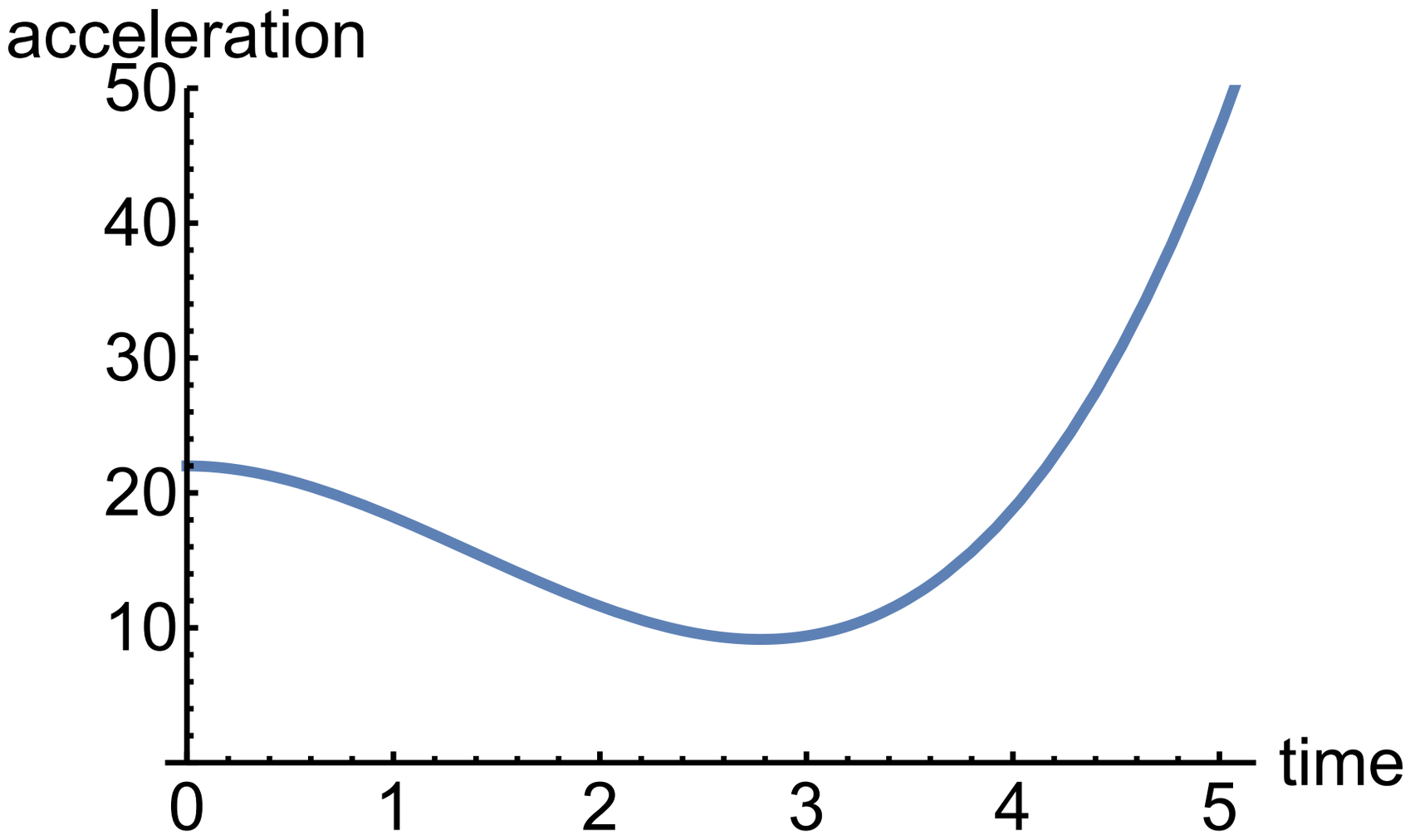
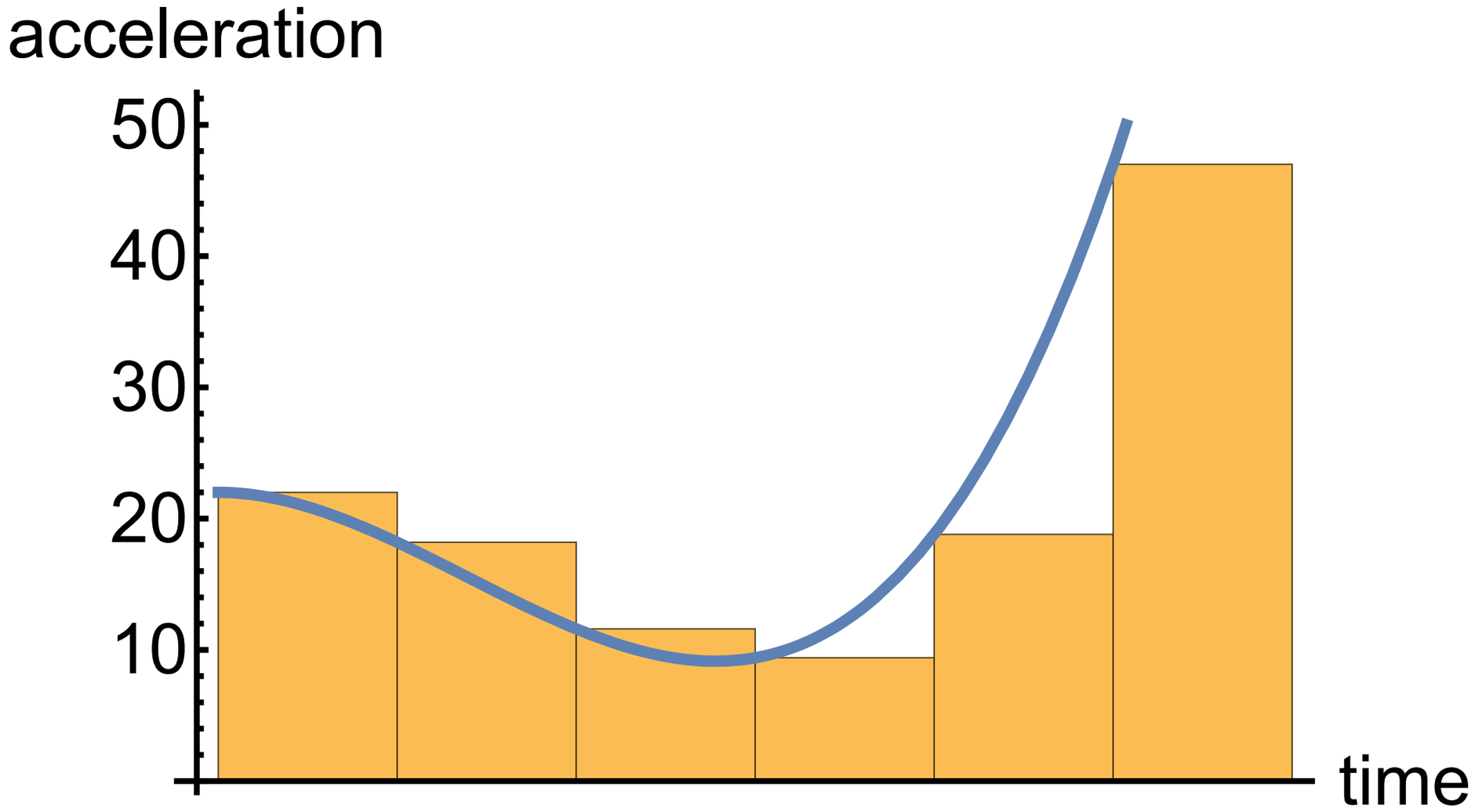
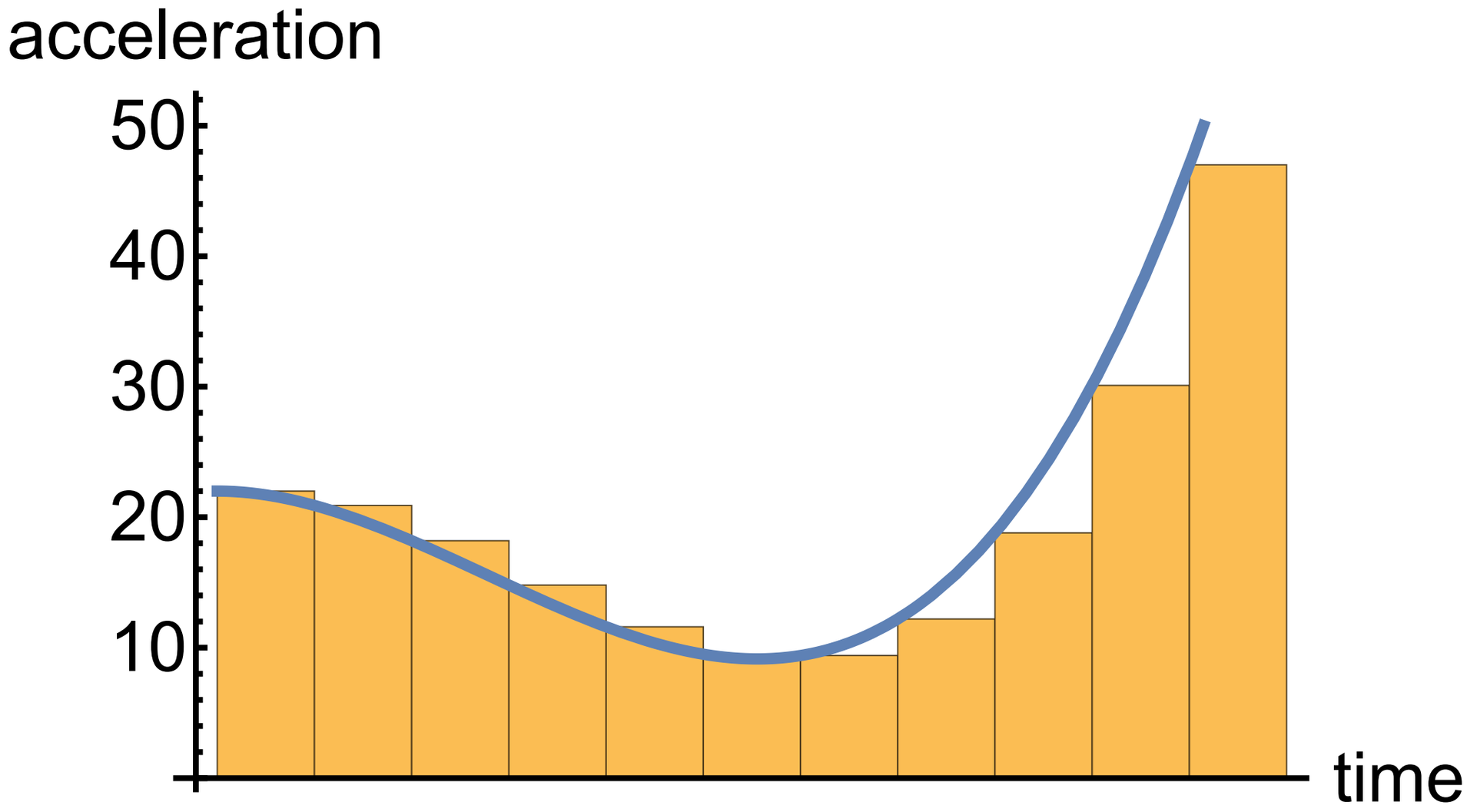
How do you find velocity?



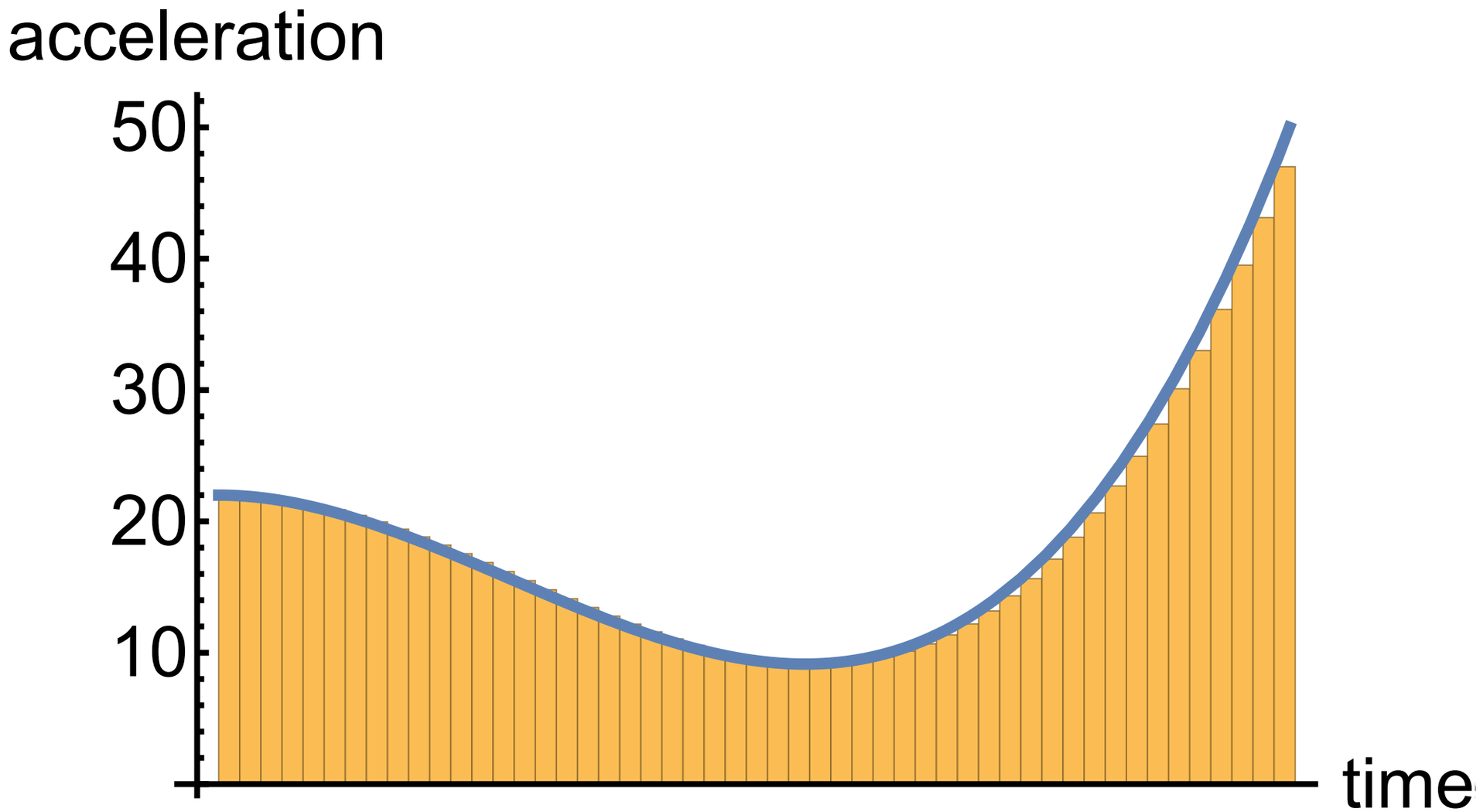
How do you find velocity?



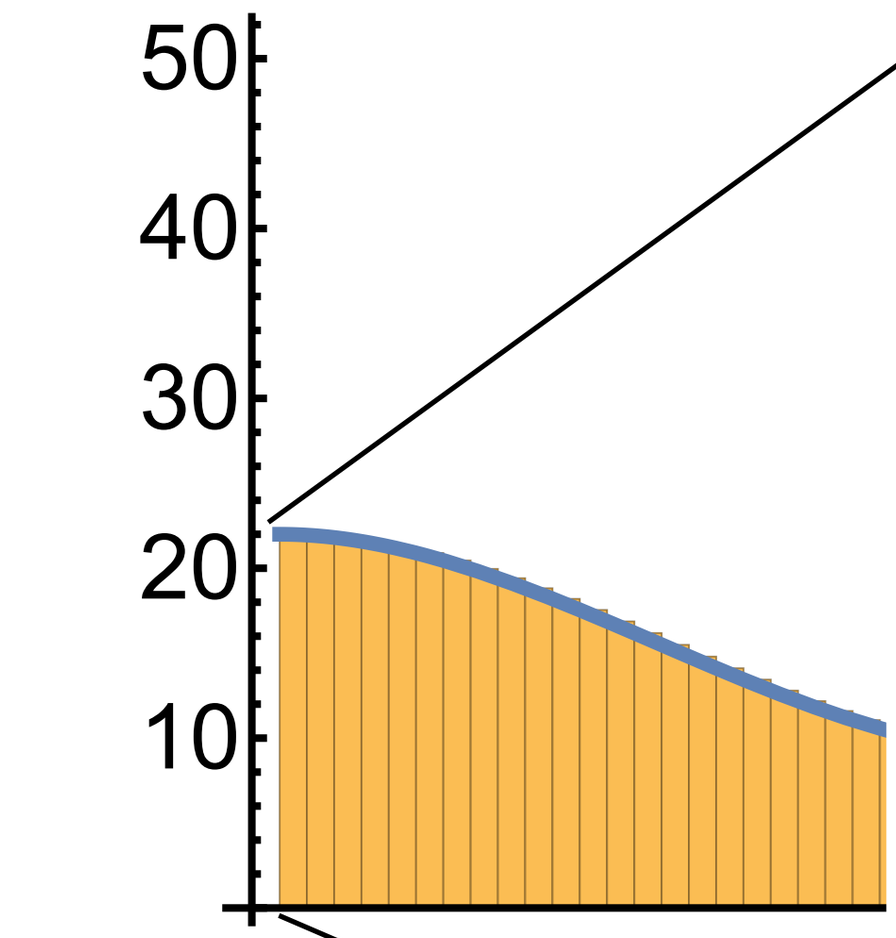
How do you find velocity?

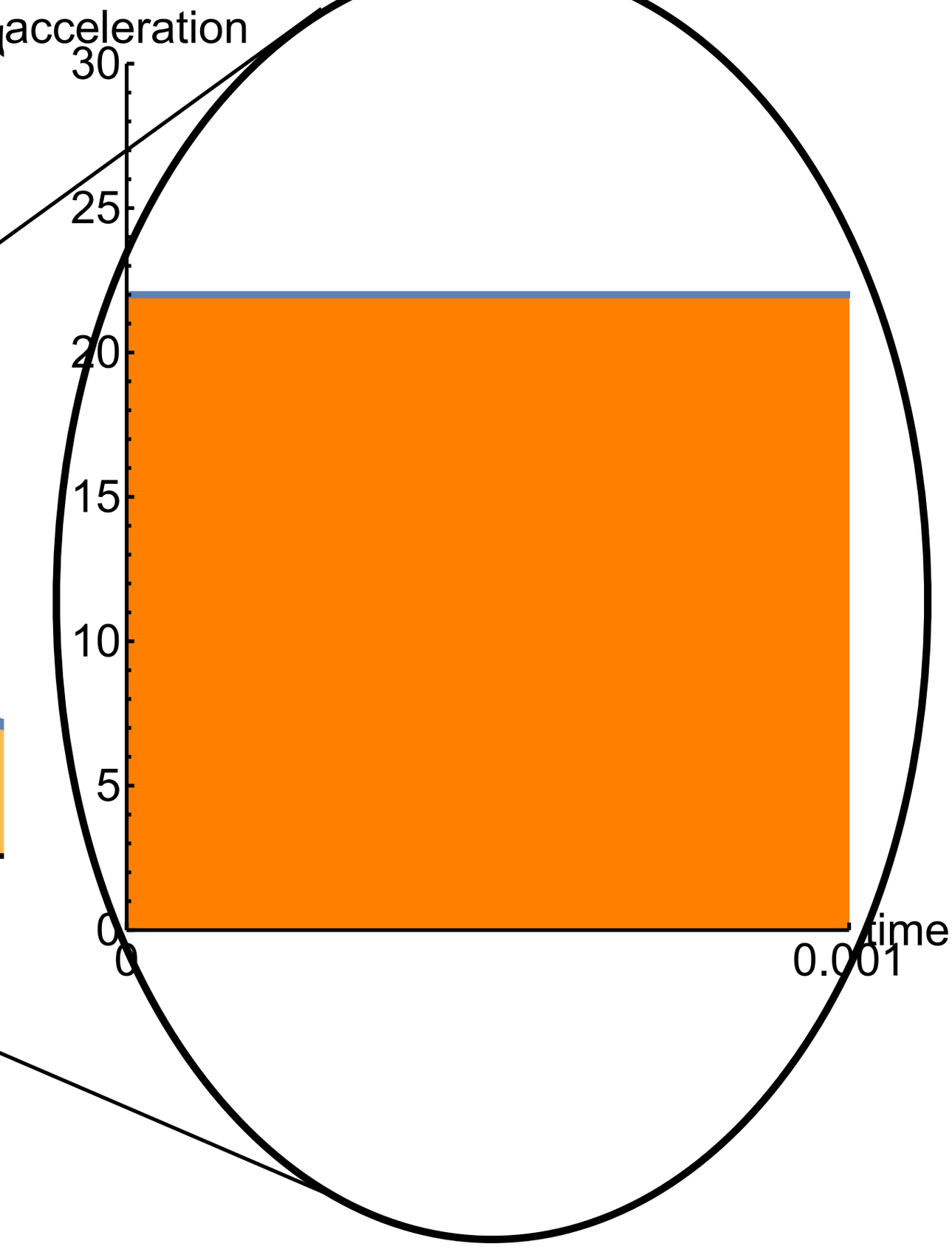


How do you find velocity?

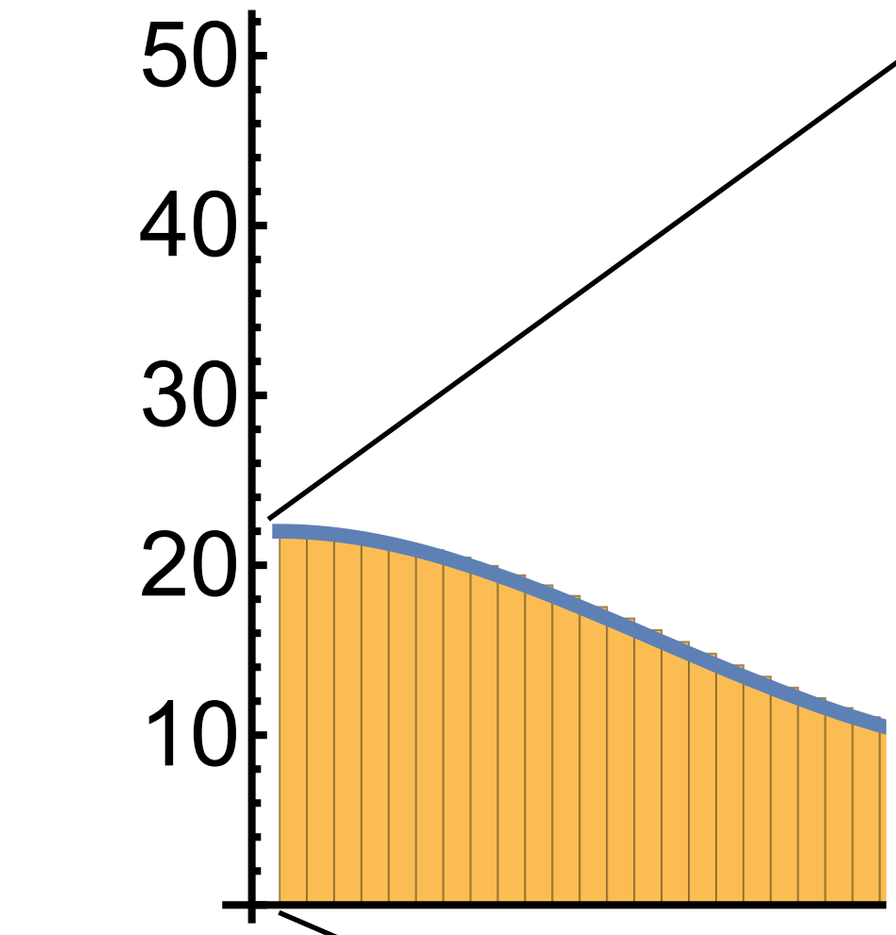


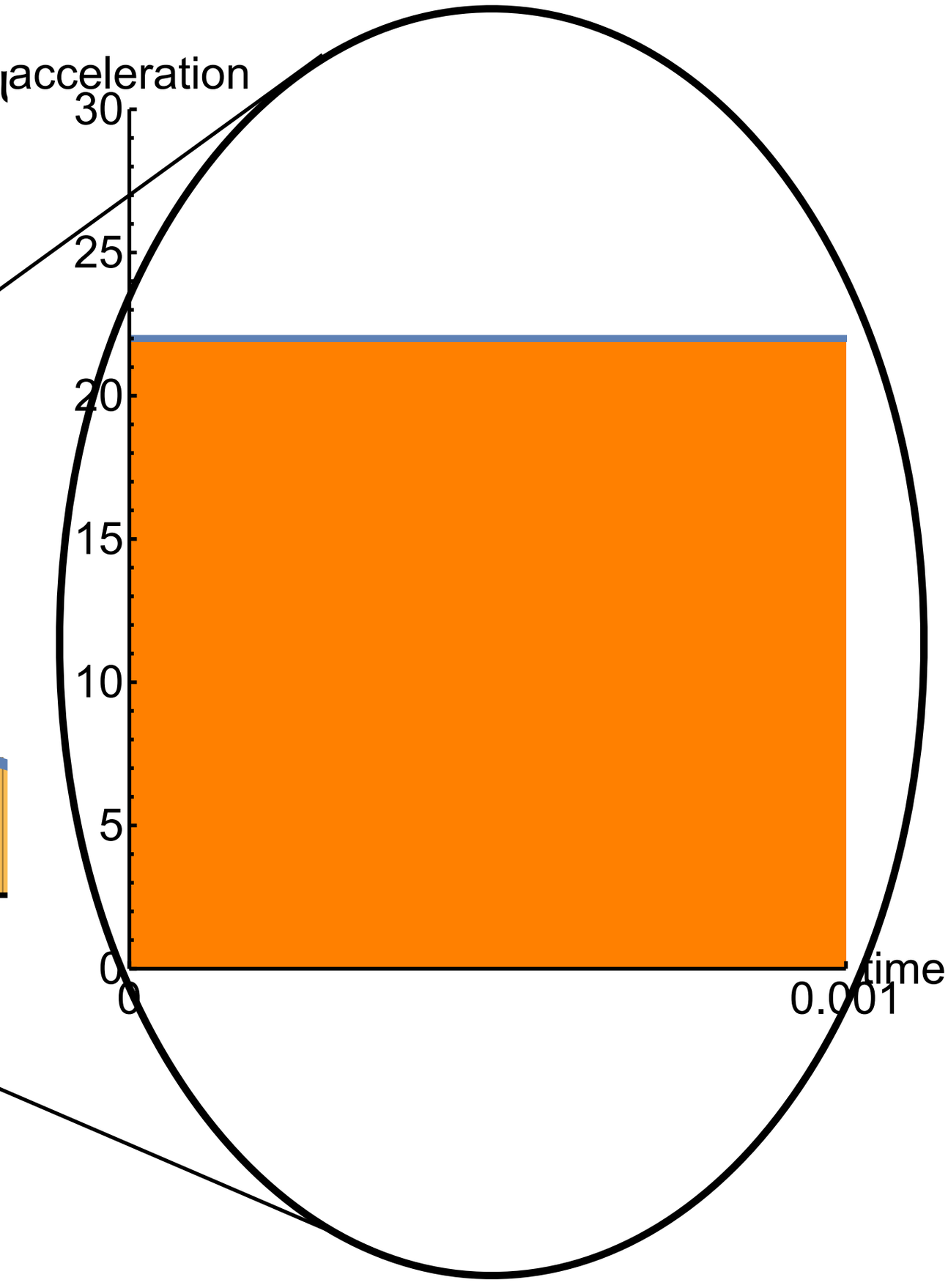
How do yo


acceleration
50
40
30
20
10

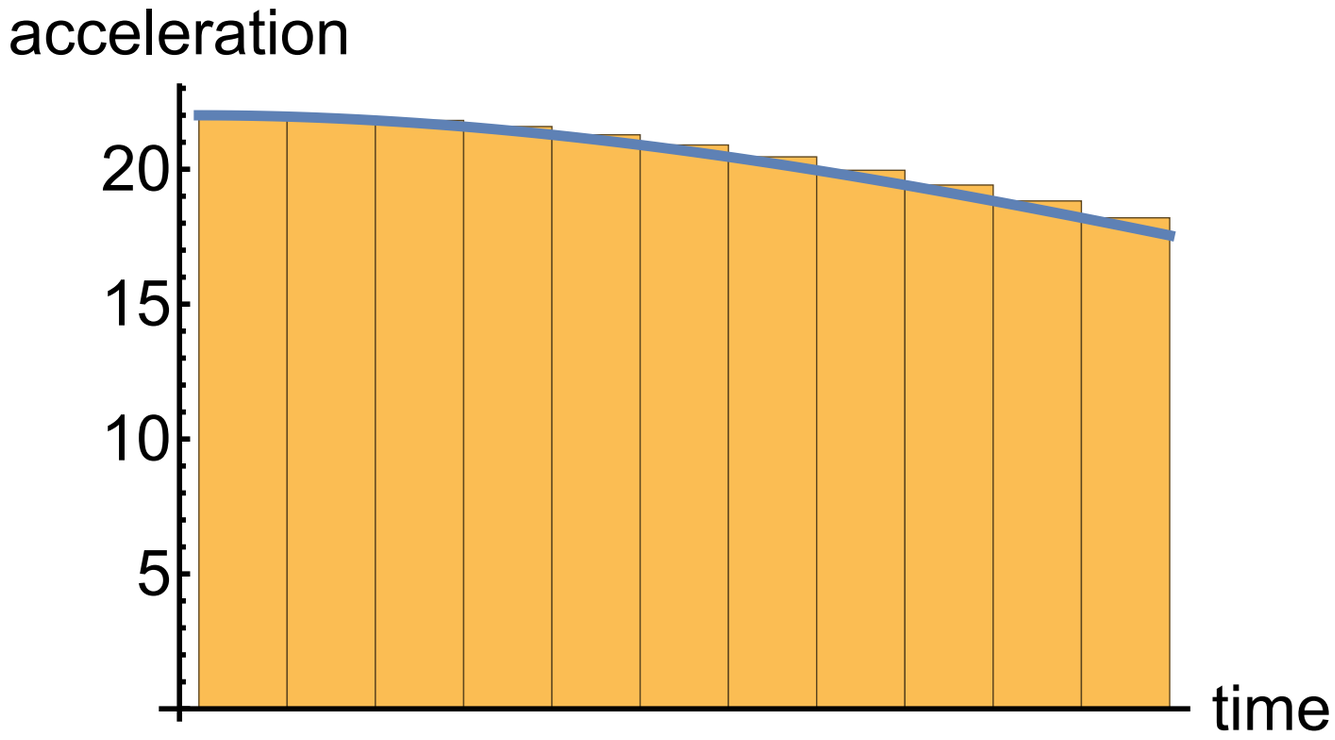

acceleration
30
25
20
15
10
5
0
0
0.001
time

How do yo





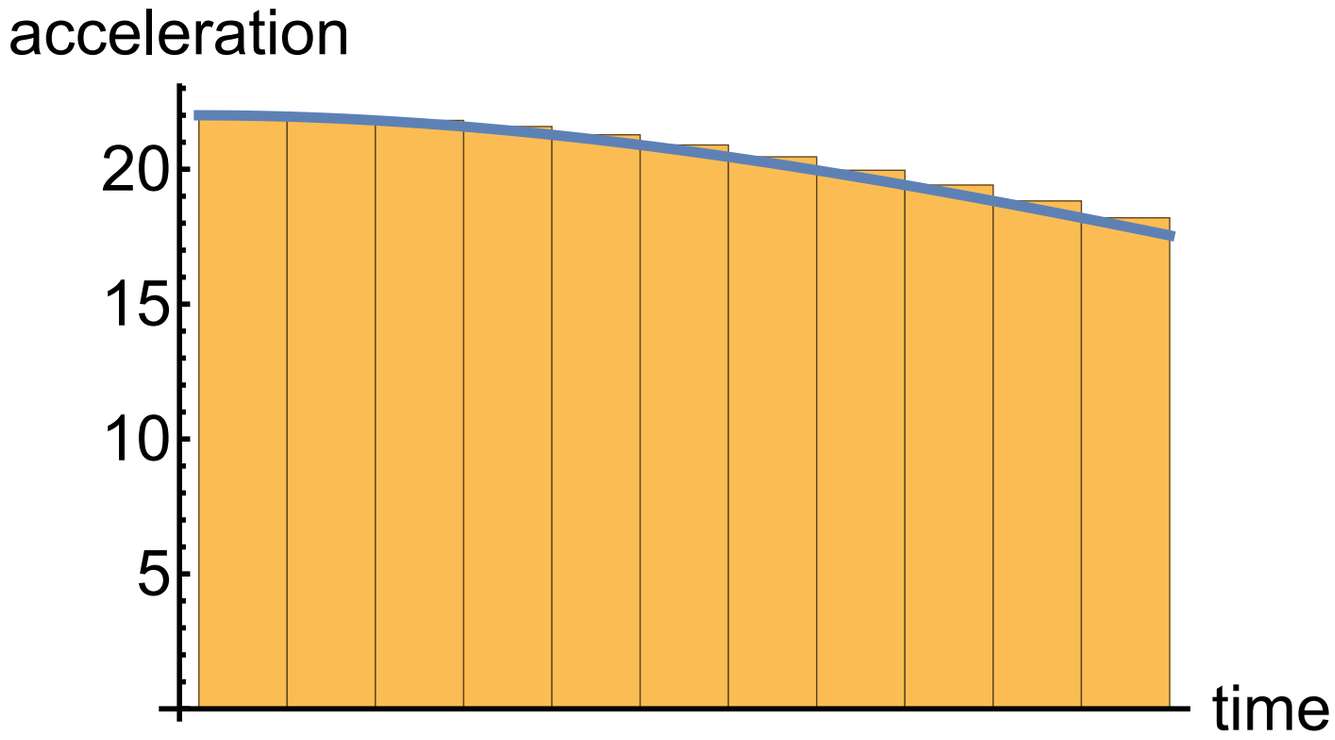
$$v_f = v_i + a\Delta t$$



$$v_f = v_i + a\Delta t$$

$$v_1$$

$$v = \{5 \text{ m/s} \quad \}$$

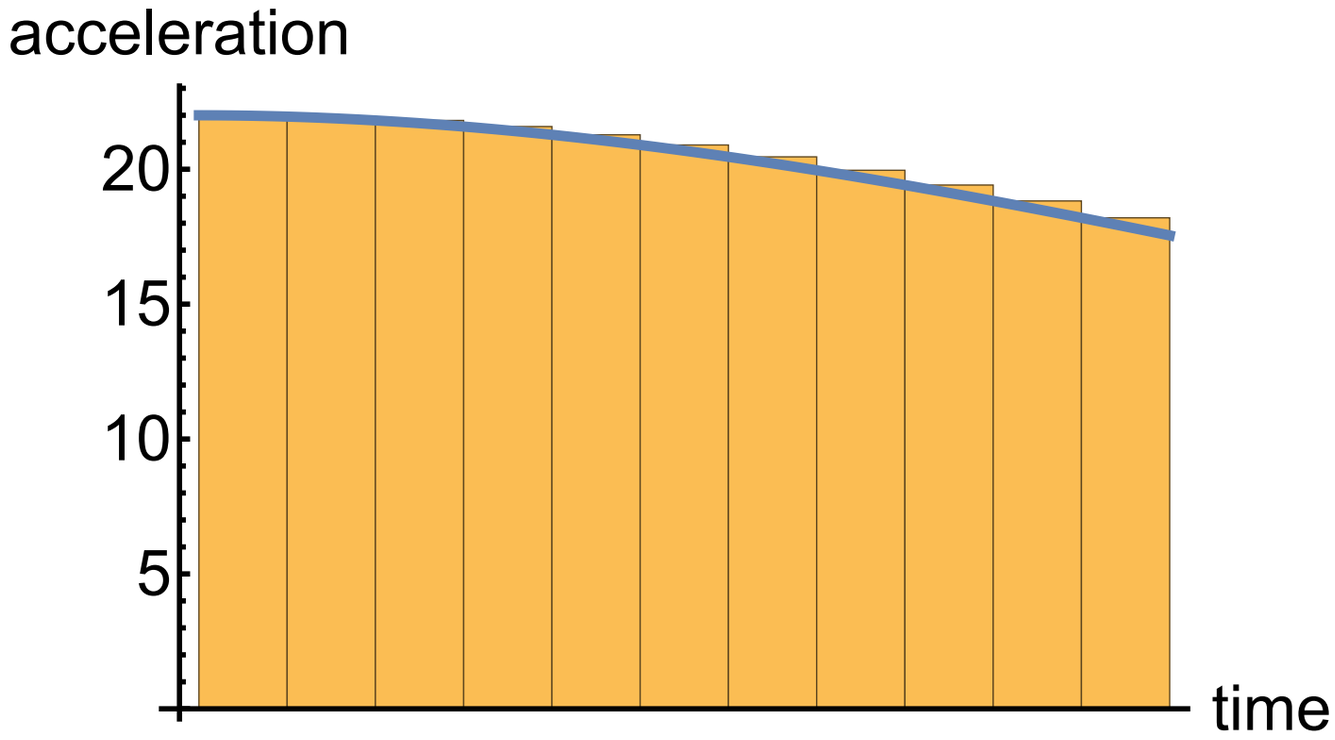


$$v_f = v_i + a\Delta t$$

$$v_{i+1} = v_i + a\Delta t$$

$$v_1$$

$$v = \{5 \text{ m/s} \quad \}$$



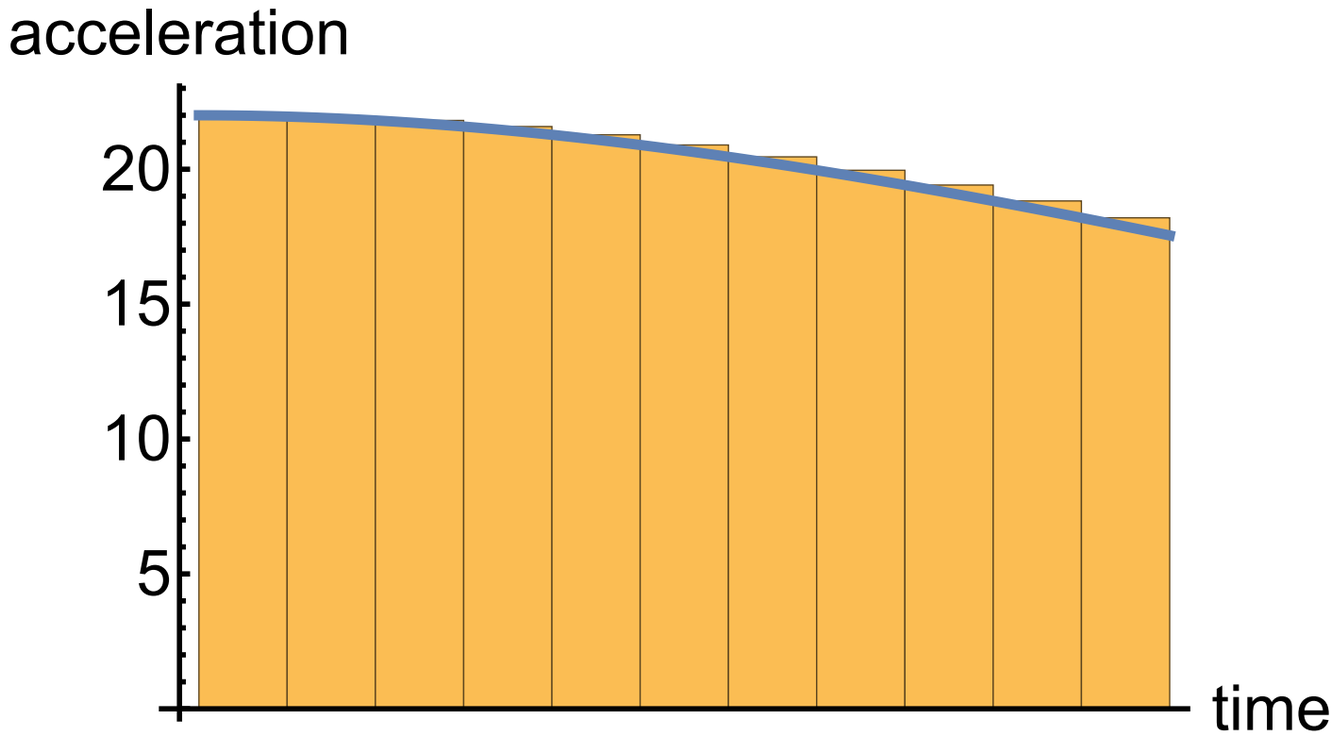
$$v_f = v_i + a\Delta t$$

$$v_{i+1} = v_i + a\Delta t$$

$$v_2 = v_1 + a\Delta t$$

$$v_1$$

$$v = \{5 \text{ m/s} \quad \}$$



$$v_f = v_i + a\Delta t$$

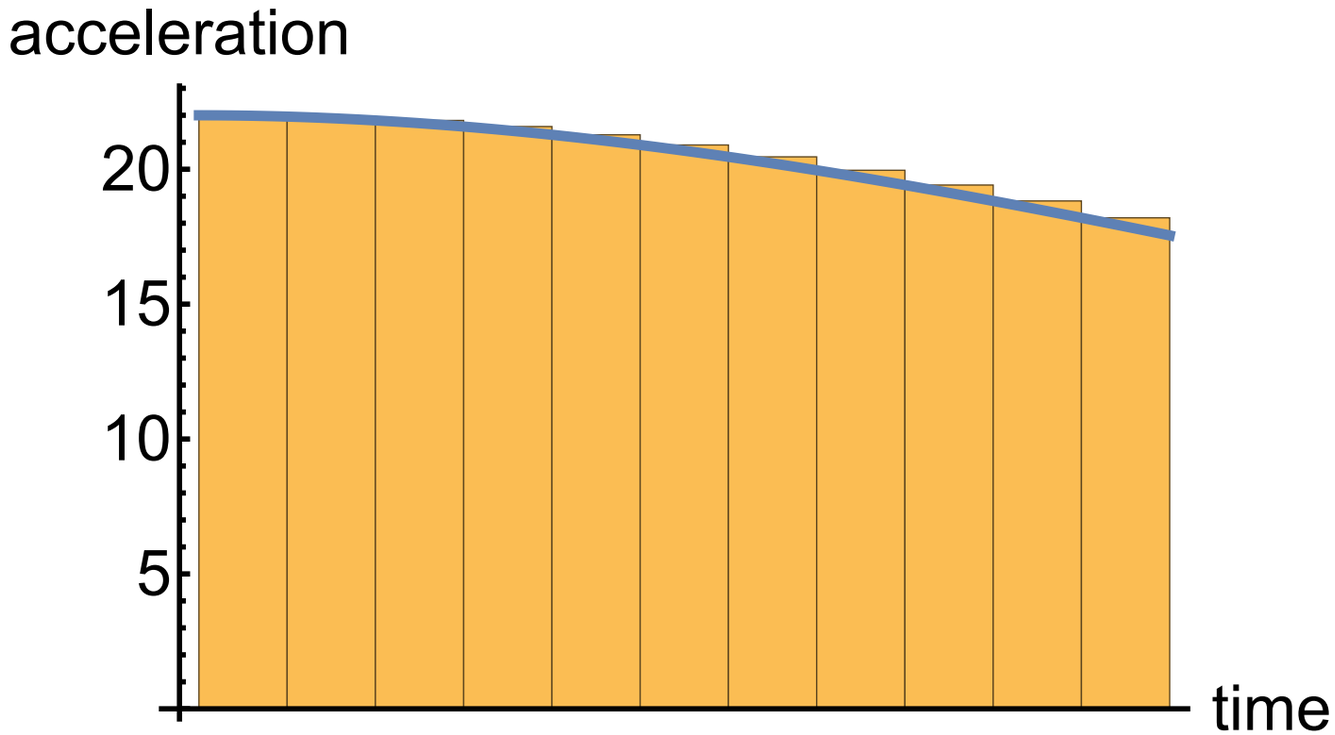
$$v_{i+1} = v_i + a\Delta t$$

$$v_2 = v_1 + a\Delta t$$

$$= 5 + 22\ \mathrm{m/s^2}(.001)$$

$$v_1$$

$$v = \{5\ \mathrm{m/s} \quad \}$$



$$v_f = v_i + a\Delta t$$

$$v_{i+1} = v_i + a\Delta t$$

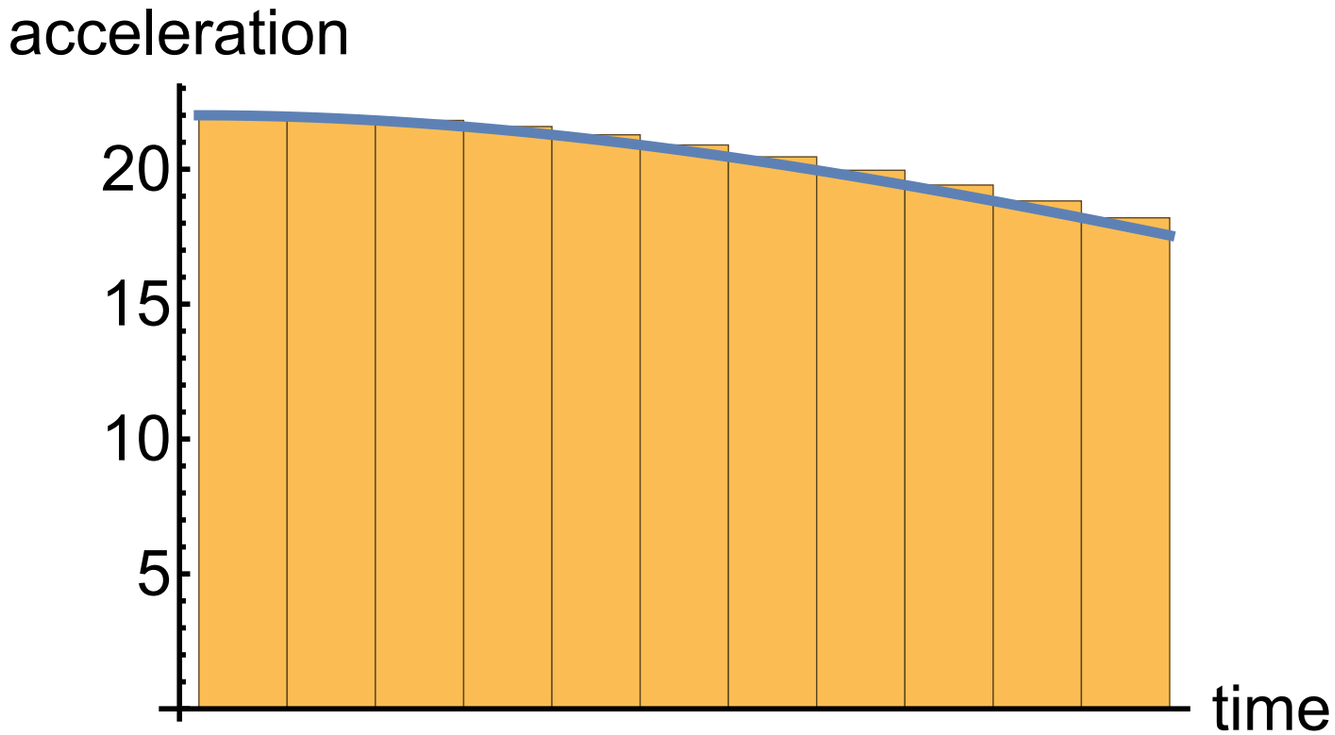
$$v_2 = v_1 + a\Delta t$$

$$= 5 + 22 \text{ m/s}^2(.001)$$

$$= 5.022 \text{ m/s}$$

$$v_1$$

$$v = \{5 \text{ m/s} \quad \}$$



$$v_f = v_i + a\Delta t$$

$$v_{i+1} = v_i + a\Delta t$$

$$v_2 = v_1 + a\Delta t$$

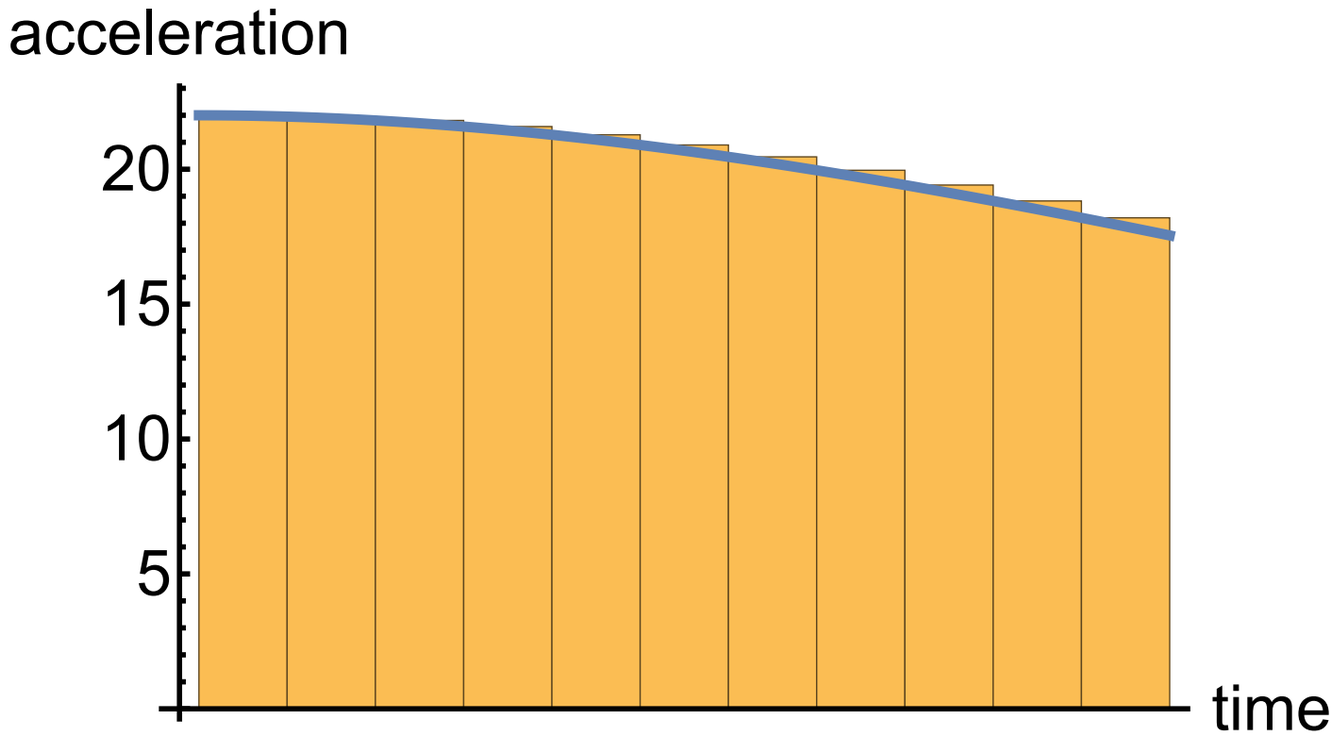
$$= 5 + 22 \text{ m/s}^2(.001)$$

$$= 5.022 \text{ m/s}$$

$$v_1$$

$$v = \{5 \text{ m/s} \quad \}$$

$$v = \{5 \text{ m/s}, 5.022 \text{ m/s} \quad \}$$



$$v_f = v_i + a\Delta t$$

$$v_{i+1} = v_i + a\Delta t$$

$$v_2 = v_1 + a\Delta t$$

$$= 5 + 22 \text{ m/s}^2(.001)$$

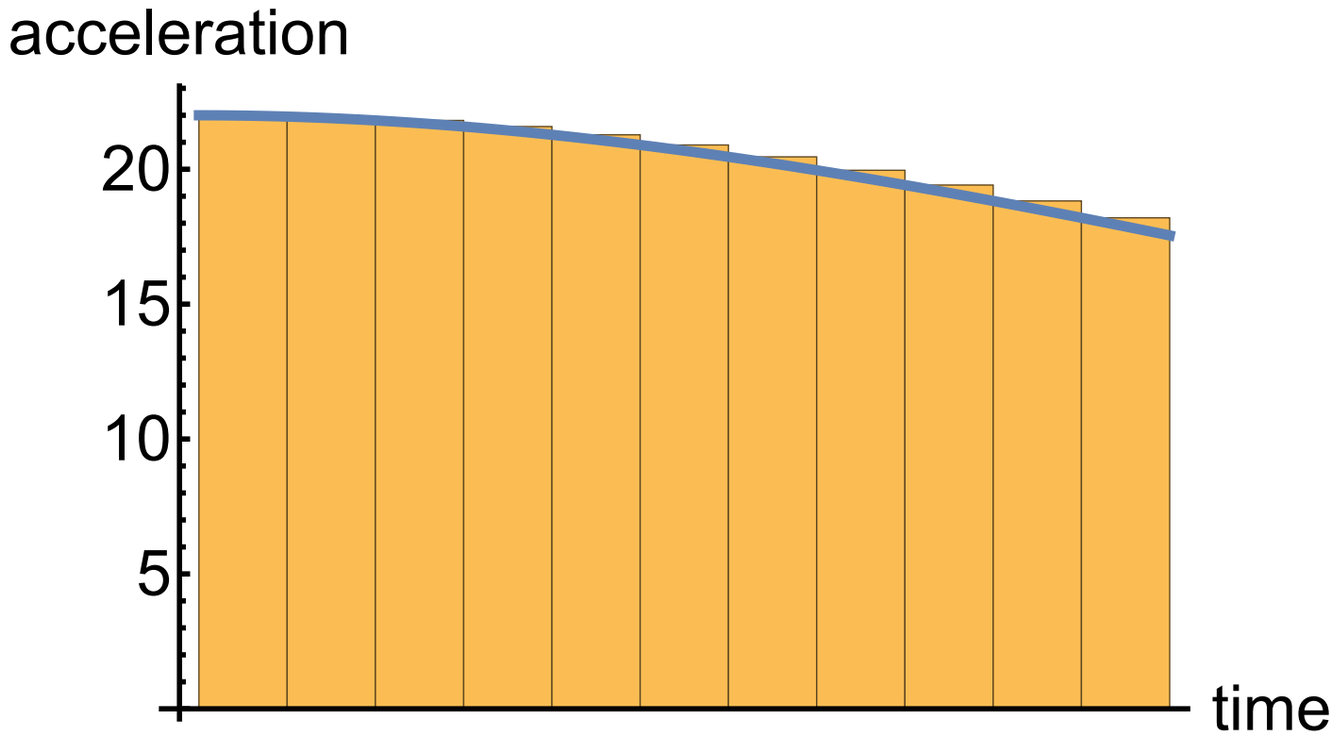
$$= 5.022 \text{ m/s}$$

$$v_1$$

$$v = \{5 \text{ m/s} \quad \}$$

$$v = \{5 \text{ m/s}, 5.022 \text{ m/s} \quad \}$$

$$v_3 = v_2 + a\Delta t$$



$$v_f = v_i + a\Delta t$$

$$v_{i+1} = v_i + a\Delta t$$

$$v_2 = v_1 + a\Delta t$$

$$= 5 + 22\ \mathrm{m/s^2}(.001)$$

$$= 5.022\ \mathrm{m/s}$$

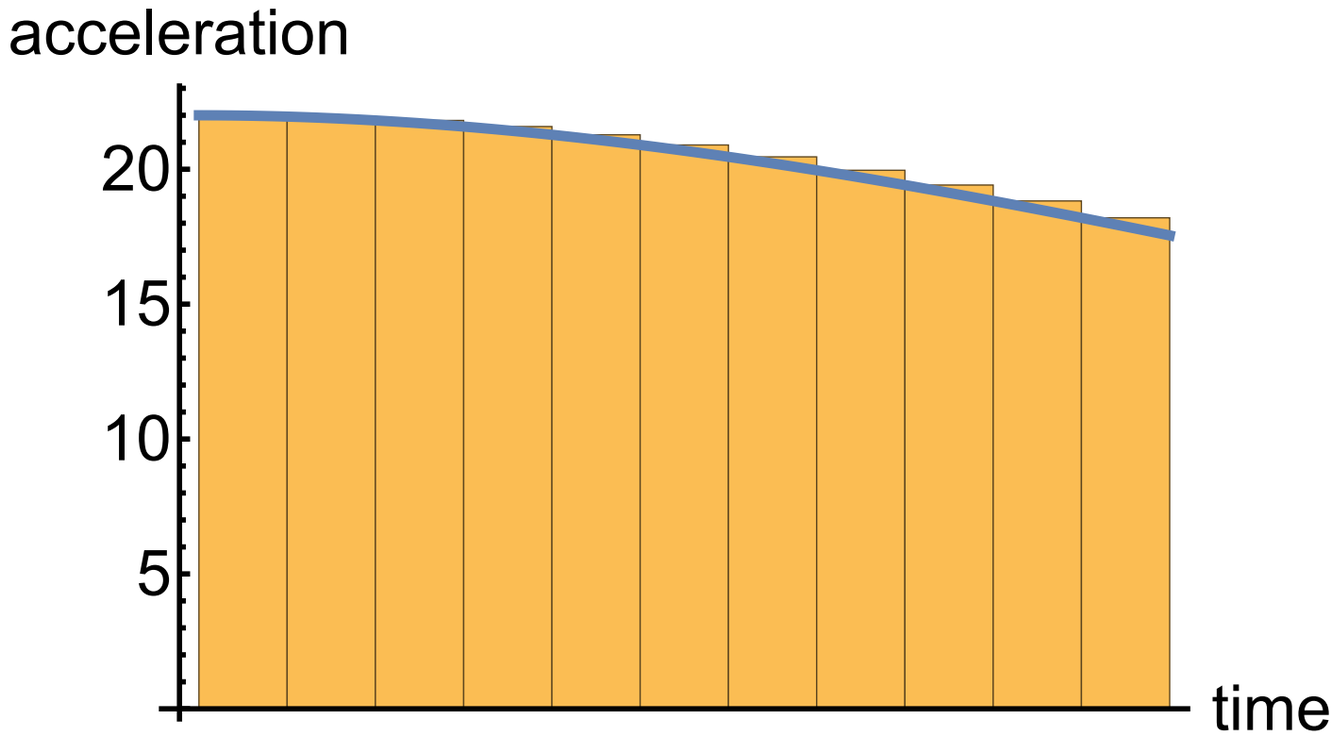
$$v_1$$

$$v = \{5\ \mathrm{m/s} \quad \}$$

$$v = \{5\ \mathrm{m/s}, 5.022\ \mathrm{m/s} \quad \}$$

$$v_3 = v_2 + a\Delta t$$

$$= 5.022\ \mathrm{m/s} + 21.95\mathrm{m/s^2}(.001)\mathrm{s}$$



$$v_f = v_i + a\Delta t$$

$$v_{i+1} = v_i + a\Delta t$$

$$v_2 = v_1 + a\Delta t$$

$$= 5 + 22\ \mathrm{m/s^2}(.001)$$

$$= 5.022\ \mathrm{m/s}$$

$$v_1$$

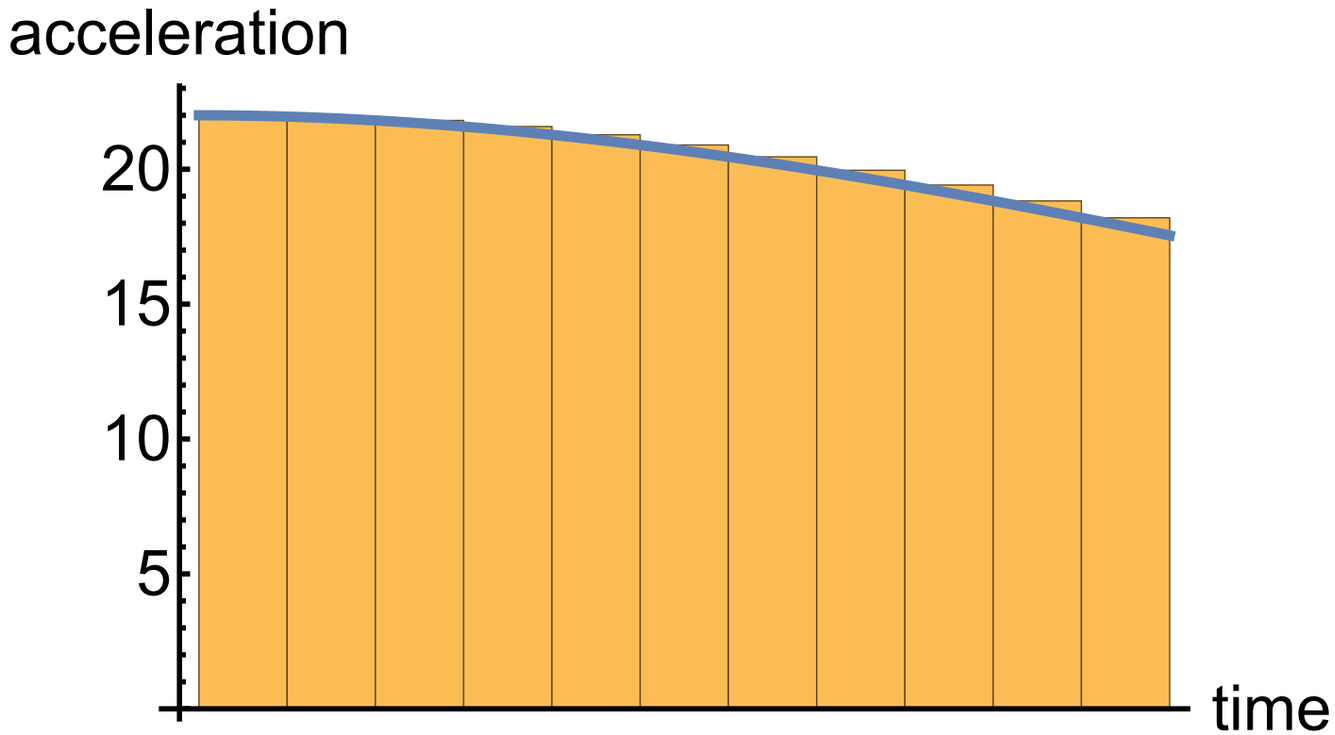
$$v = \{5\ \mathrm{m/s} \quad \}$$

$$v = \{5\ \mathrm{m/s}, 5.022\ \mathrm{m/s} \quad \}$$

$$v_3 = v_2 + a\Delta t$$

$$= 5.022\ \mathrm{m/s} + 21.95\mathrm{m/s^2}(.001)\mathrm{s}$$

$$= 5.04395\ \mathrm{m/s}$$



$$v_f = v_i + a\Delta t$$

$$v_{i+1} = v_i + a\Delta t$$

$$v_2 = v_1 + a\Delta t$$

$$= 5 + 22\ \mathrm{m/s^2}(.001)$$

$$= 5.022\ \mathrm{m/s}$$

$$v_1$$

$$v = \{5\ \mathrm{m/s} \quad \}$$

$$v = \{5\ \mathrm{m/s}, 5.022\ \mathrm{m/s} \quad \}$$

$$v_3 = v_2 + a\Delta t$$

$$= 5.022\ \mathrm{m/s} + 21.95\mathrm{m/s^2}(.001)\mathrm{s}$$

$$= 5.04395\ \mathrm{m/s}$$

$$v = \{5\ \mathrm{m/s}, 5.022\ \mathrm{m/s}, 5.04395\ \mathrm{m/s} \quad \}$$