

Time-step:  $k+1$

$$d = 2.5 \text{ m}$$

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

$$a = -5 \text{ m/s}^2$$



Time-step:  $k$

$$d = 10 \text{ m}$$

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

$$a = -5 \text{ m/s}^2$$

Time-step:  $k+2$

$$d = 0 \text{ m}$$

$$v = 0 \text{ m/s}$$

$$a = 0 \text{ m/s}^2$$

STOP