

ESERCIZIO 1

$$1) \theta_c = 24^\circ$$

$$v_{oc} = 90 \text{ m/s}$$

$$2) \vec{v} = v_x \hat{x} + v_y \hat{y}$$

$$v_x = 82 \text{ m/s}$$

$$v_y = 25 \text{ m/s}$$

$$3) T = 1,9 \text{ s}$$

$$P = (x_P, y_P)$$

$$x_P = 120 \text{ m}$$

$$y_P = 54 \text{ m}$$

ESERCIZIO 2

$$1) T = 12 \text{ N}$$

$$F_a = 47 \text{ N}$$

$$2) \theta_{\max} = 37^\circ$$

$$3) v_B = 1,2 \text{ m/s}$$