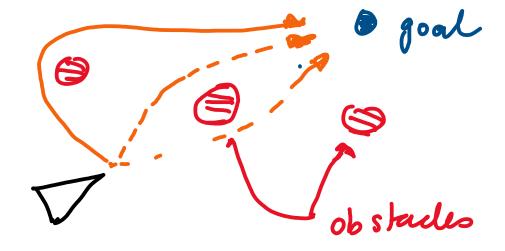
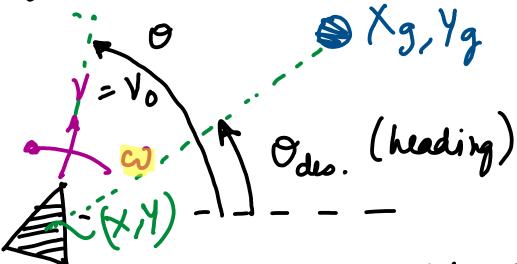
## Motion planning



## Go-to-goal & Obstacle avoidance



(1-14)

$$70$$

$$70$$

$$7 - buffer$$

$$7 + (\sqrt{(x-x_0)^2 + (y-y_0)^2 - y_0}) + \sqrt{y_0}$$

$$8 + \sqrt{(x-x_0)^2 + (y-y_0)^2 - y_0} + \sqrt{y_0}$$

$$8 + \sqrt{(x-x_0)^2 + (y-y_0)^2 - y_0} + \sqrt{y_0}$$