# Mars Rover

Perseverance is the martial rover launched towards Mars in 2020 and landed in 2021.

This project simulates the communication between the NASA Headquarters in Washington and Perseverance.

Washington sends a sequence of commands (F, B, R, L) to command to Perseverance to move Foreward or Backward, and to turn Right or Left.

At each shift, Perseverance communicates its position through X and Y coordinates, and if meets an obstacle. If Perseverance finds and obstacle, it stops and signals the coordinates of the obstacle and its id.

To interrupt the communication, Washington sends the instruction Q (quit).