

Autonomous Drone



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CONTEST

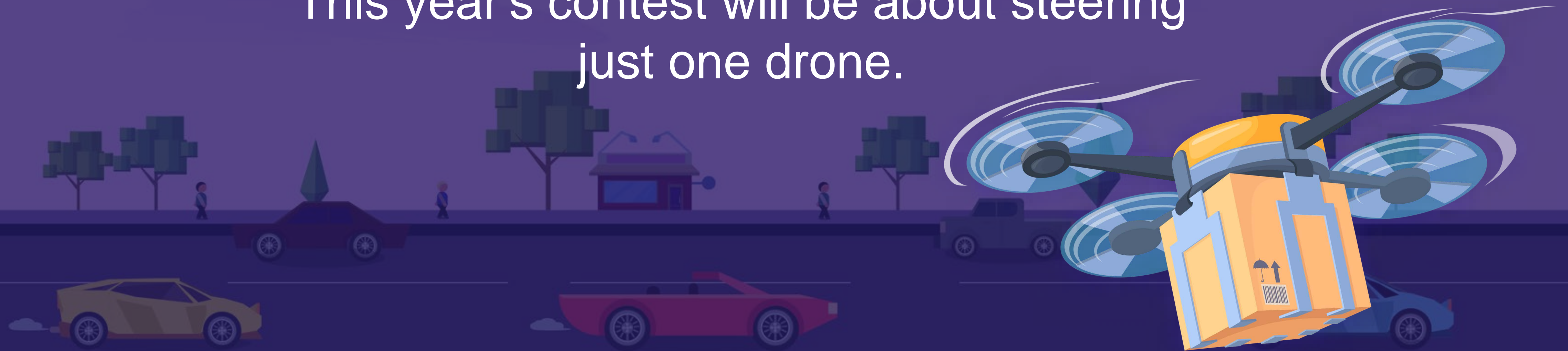
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Today's Coding Contest is the 40th CCC

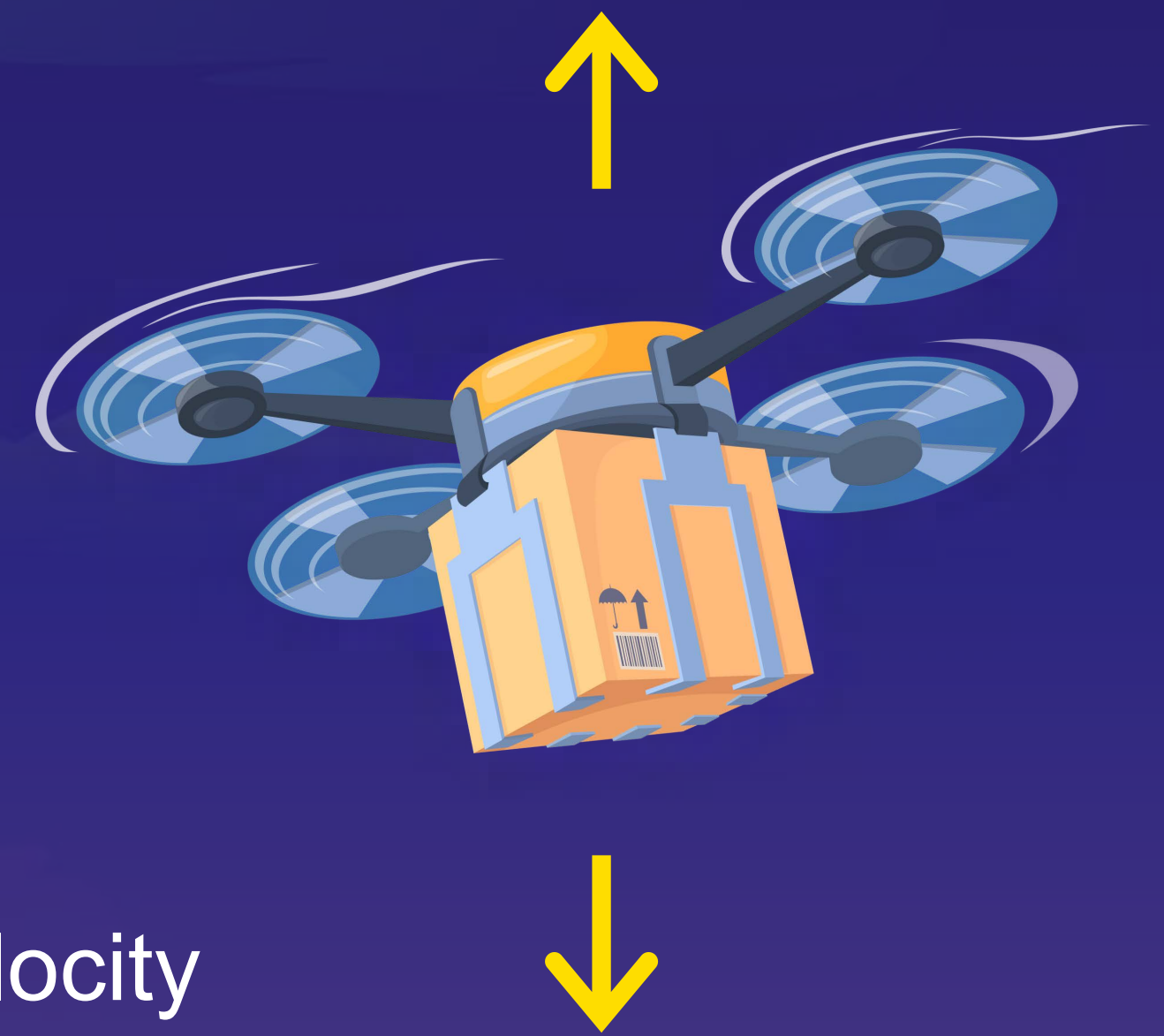
To celebrate this big milestone, we took inspiration from one of the most liked previous contests, which was about steering a fleet of drones.

This year's contest will be about steering just one drone.





- In this level the drone can only fly up or down
- The time of a flight is measured in ticks
- For every tick you are given the velocity at that time
- If the drone is flying up, the velocity is positive
- If the drone is flying down, the velocity is negative
- Every tick, the drone's height will be updated based on the current velocity
- At the beginning, the drone is at height 0
- The height will never be negative during the flight
- The drone took multiple flights
- **For each flight calculate the drone's final height**

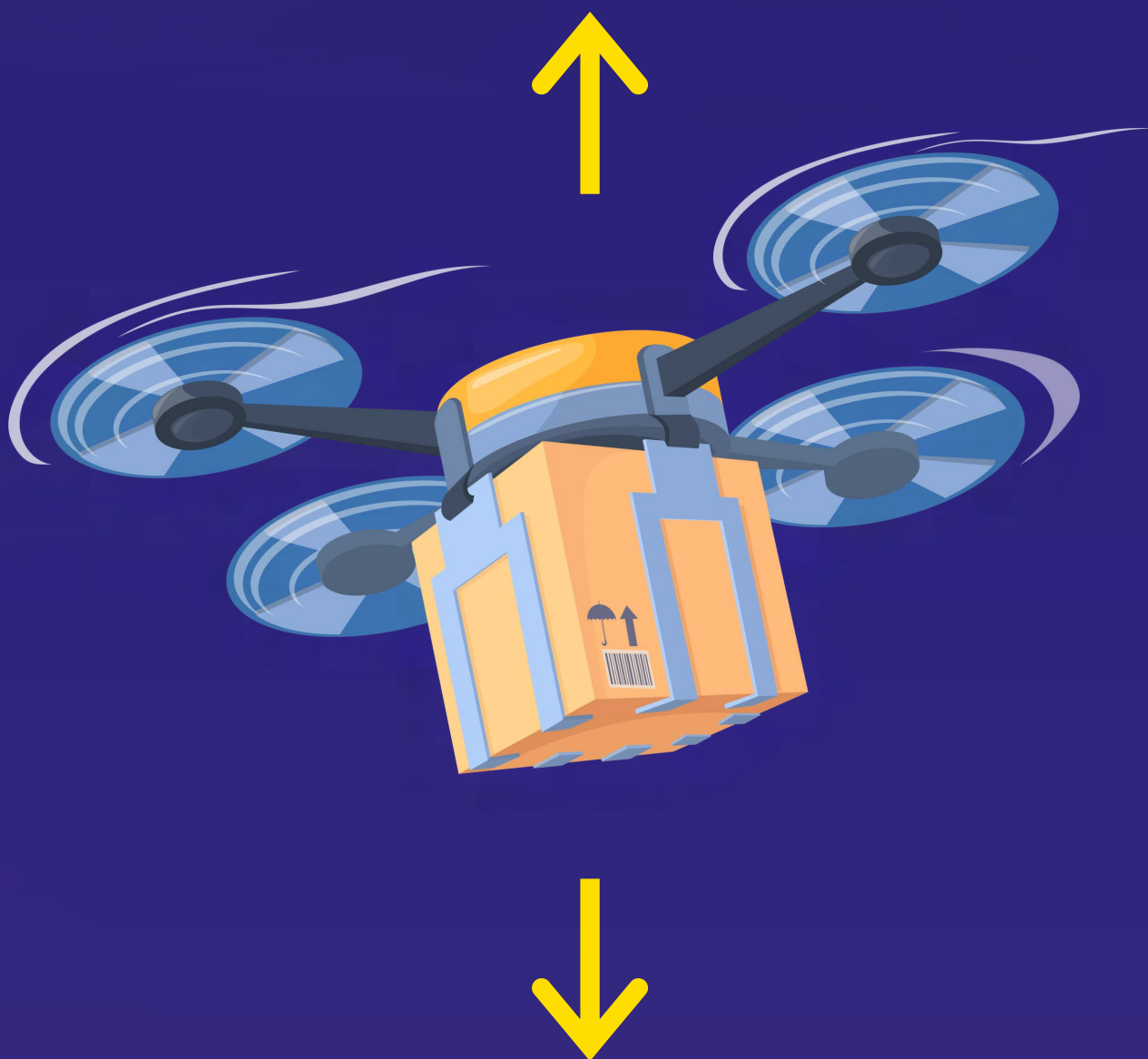


Example:

For the velocities **10 -3 -1 6**, the final height is **12**

Tick	Velocity	Height
1	10	10
2	-3	7
3	-1	6
4	6	12

$height_i = height_{i-1} + velocity_i$



Input

Name	Description	Example
N	Number of drone flights	3 10 -3 -1 6 4 3 7 1 38 7 -17 5
Flight (repeated N times)	A list of integers separated by spaces, each representing the velocity of the drone tick by tick	

Output

Name	Description	Example
Number of desks (repeated N times)	The final height of the drone	12 15 33





Happy 40th Coding Contest

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