

Robot Rule Tests

Imagine that the *International Robotics Alliance* has decided your Robot Rules are the best in the world, and that all robots will have to follow them!

Examine each of the following situations carefully and write down what each robot will do. Remember, it has to follow your Robot Rules - make sure you write about how the Robot Rules helped or made things worse!

SITUATION ONE

Imagine you are in a self-driving robot car. You are in a hurry to get home so you can see your cousins who have come to visit. The only way home is across a bridge. The robot car knows that the bridge has fallen but you do not know this. You tell the robot car to hurry! What does the robot car do? How did your Robot Laws work here?

SITUATION TWO

A digging robot has been told to dig a hole that is 4 metres deep and 8 meters wide. The robot has been told to dig quickly, with no stopping until it is done. While the robot is working, it calculates that the hole will cause a gas pipeline to burst which will cause an explosion in a nearby

playground where many children are playing. What does the robot do? How do your Robot Rules help?

SITUATION THREE

You and your friend have a very big fight and you are very angry with each other. You decide to send your Protector Robot over to your friend's house in the middle of the night, to attack and break their Protector Robot. What happens? How do the Robot Rules help the robots decide what to do?

