WORLD ROBOT OLYMPIAD TM

International Online Final 2021 Randomization & Surprise rule - Elementary











Elementary - Surprise Rule

Bring **the sun** into the equipment area.

=> 10 points (the sun only touches the equipment area)

The sun does <u>not</u> have to be in an upright position. The sun is still the indicator for the target position of the solar panel.





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International Online Final 2021 Randomization & Surprise rule - Junior





















Junior - Surprise Rule

Bring **ONE of the barriers** into the area with the season logo.

=> 20 points (the barrier only touches the target area)

The barrier does <u>not</u> have to be in an upright position. The parking bay, that had been blocked by the barrier, cannot be used, even if you remove the barrier.





Additional hint:

You will lose 5 bonus points for moving the barrier, but gain 20 points for the surprise rule. This results in 15 additional points in total.

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International Online Final 2021 Randomization & Surprise rule - Senior











Senior - Surprise Rule

Bring **ONE** of the black wind turbines into the area with the season logo.

=> 25 points (the wind turbine only touches the target area)

The turbine does <u>not</u> have to be in an upright position. The wind turbine is the <u>black</u> <u>base</u> (without the energy unit).





Additional hint:

You will lose 3 bonus points for moving the wind turbine, but gain 25 points for the surprise rule. This results in 22 additional points in total.