

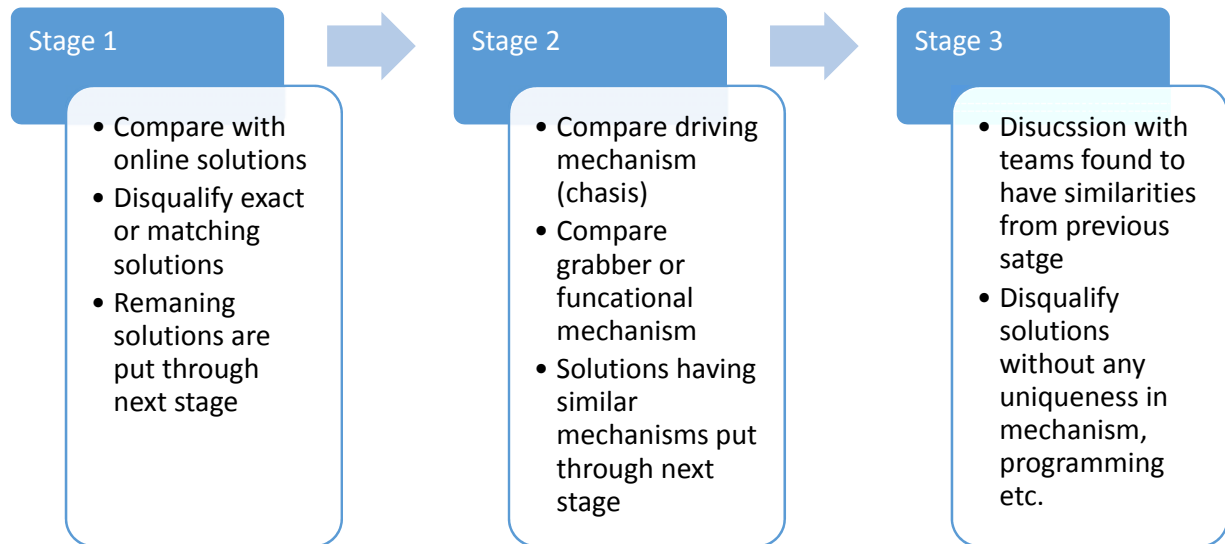
Process for Handling Online & Similar Solutions (Robots)

In the alignment with WRO Association we would like to give you an idea how we, at WRO INDIA (Regional and National) see this situation and the process we will adopt to find the copied robot.

In addition, wro Association added information to General Rules for Regular Category (<https://wro-association.org/fileadmin/files/challenges/wro2019/WRO-2019-Regular-00-General-Rules.pdf>). We added that teams should take part with the Ethics Code in mind (9.1 and 9.2) and that we do not want to see copies / internet solutions (10). In addition, we gave ideas on potential consequences if you see a breach of rules (9.3).

For WRO India, we have curated a method considering different aspects; Mechanical Design & Build, Working Mechanism and Programming of Robot identify the robots matching the ones available on internet or similar robots of teams from a same school/academy/institution.

Each solution (robot) will have to go through the following stage wise inspection process on day 1 and day 2 at both regional and national competitions



Inspection: 1

Comparing with Online Solutions

- 1) During this inspection judges will compare team's solution (robot) with the online solutions/copied solutions (robots). An indicative list of prohibited online solutions are

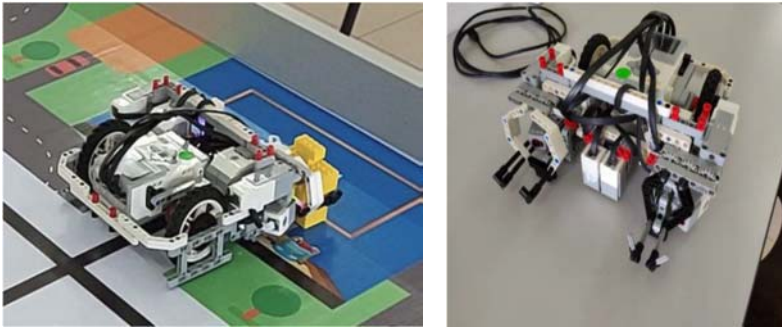
listed below. Judges will use this as reference but can also double check with any other solutions available online apart from the one listed below.

- 2) Judges may disqualify/stop the team from participating if
 - a. team's solution is an exact copy of any of the online solutions
 - b. Team has same solution and tried to make it look different by mere use of different coloured beams, Changing position of sensor other building elements

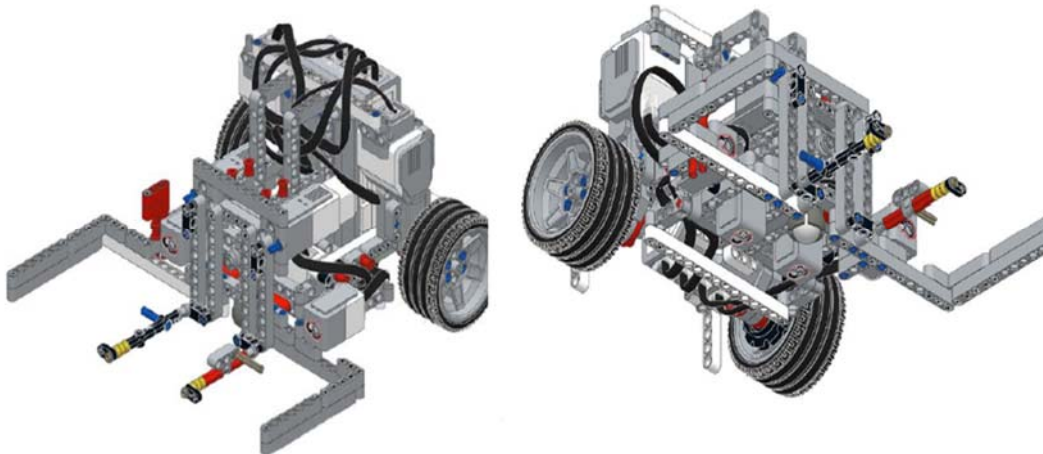
Online Elementary Solutions 2019

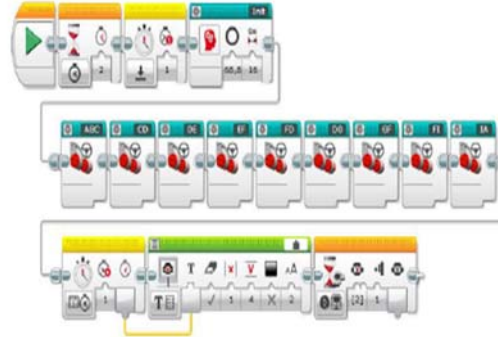
Tesslab Robotics, Malaysia, 30 USD, 22.01.2019

<https://www.tesslabrobotics.com/product-page/wro-2019-elementary-52sec>



Roboriseit, Company, Ukraine, 49 USD, 20.02.2019 <https://roboriseit.com/product/wro-2019-elementary-category/>





Pavel Tomshim, Russia, 150 USD, 10.05.2019
<http://robitware.ru/shop/wro>

Online Junior High Solutions 2019

Tesslab Robotics, Malaysia, January 2019 <https://www.youtube.com/watch?v=M-iS6hwu8c4>

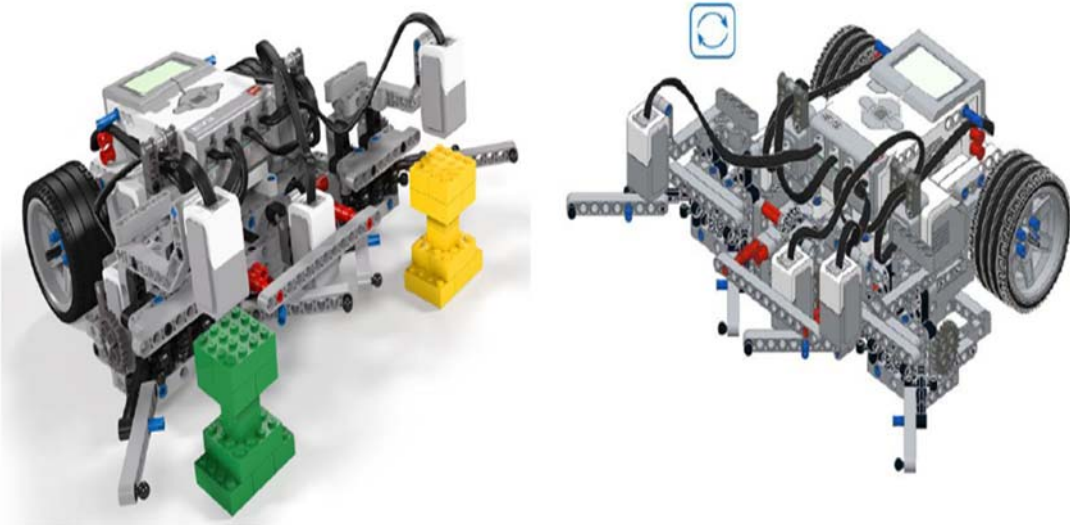


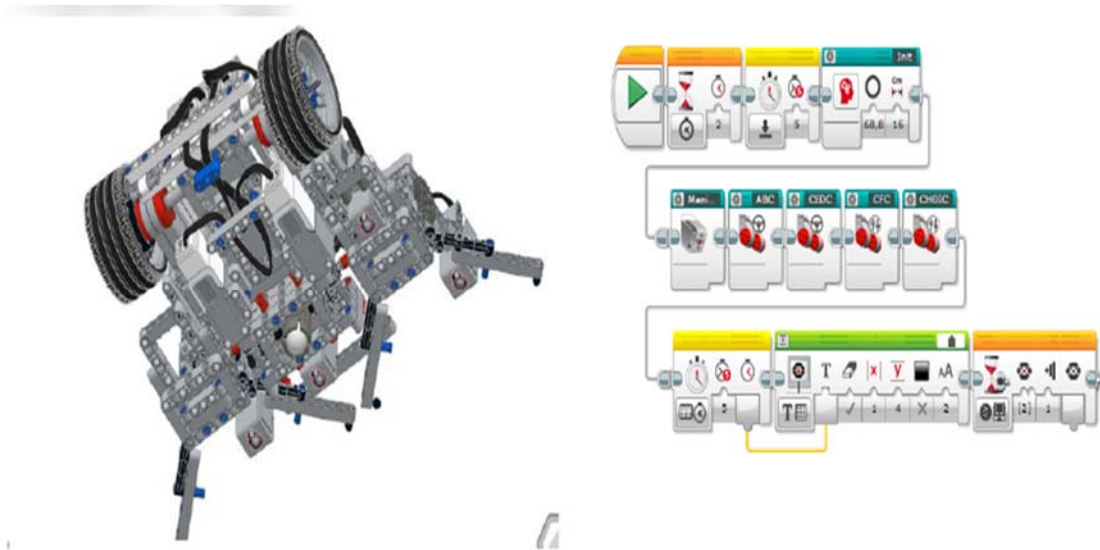
Rabbit Stallion, Country unknown, 20.03.2019

<https://www.youtube.com/watch?v=qbyEBw9vsyo>



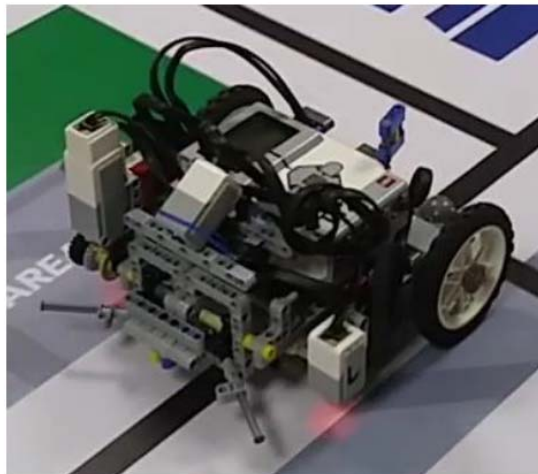
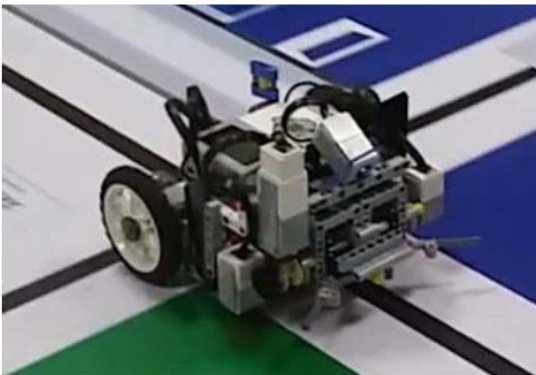
Roboriseit, Company, Ukraine, 49 USD, 22.03.2019 <https://roboriseit.com/product/wro-2019-junior-category/>





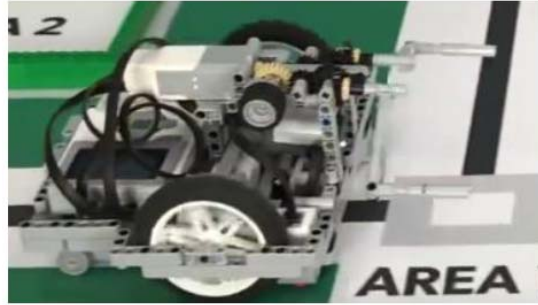
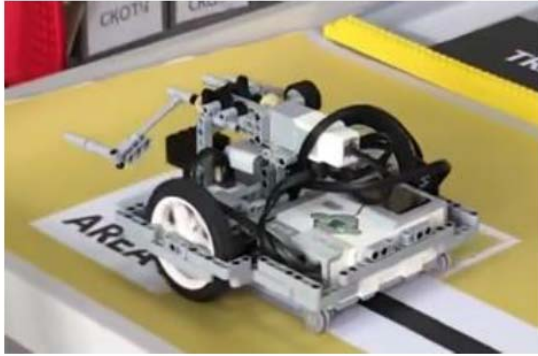
Kostiantyn Lunov, Ukraine, 50 USD, 29.04.2019

<https://www.youtube.com/watch?v=qbyEBw9vsyo>



BANANA Холкин, Country unknown, 10.05.2019

https://www.youtube.com/watch?v=am3Vqh_C03I



Online Senior High Solutions 2019

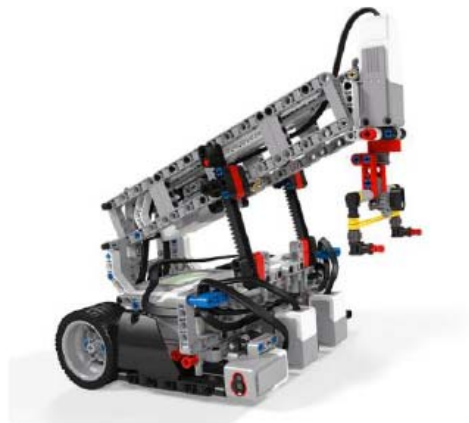
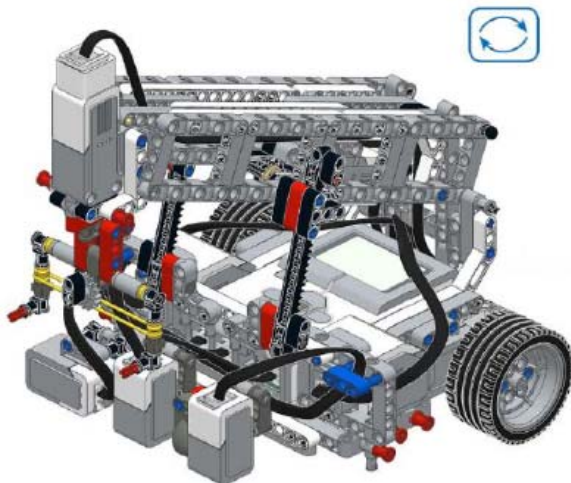
Mad Robots, Russia, 22.02.2019

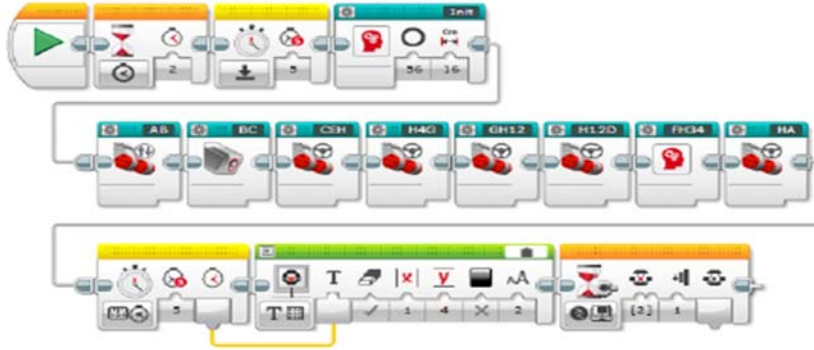
<https://www.youtube.com/watch?v=-FgrwPoiKH8>

No further information available.

Roboriseit Company, Ukraine, 13.03.2019

<https://roboriseit.com/product/wro-2019-senior-category/>





Tesslab Robotics, 150 USD, 13.05.2019

<https://www.tesslabrobotics.com/product-page/wro-2019-senior-high-1m30s>

Inspection: 2

Comparing Driving mechanism (motor and gear orientation) and grabber mechanism

- 1) All the solutions (robots) which pass the first level inspection will be put through 2nd level inspection process
- 2) In this inspection Judges will segregate the solutions (robots) depending upon their motor orientation or gear mechanism used for the drive
- 3) If Judges notice that solutions (robots) have same driving mechanism (chassis) and also the same grabber mechanism, they may put those solution under further scrutiny or interrogation to a decision
- 4) Judges may discuss with the team to find out the type of programming approach like path following or other technique team is using so as to make their decision about team's participation

The referee decision will be final in all the cases