

avishk^{ar}

MEX

Startovací sada
pro robotiku

Uživatelská příručka





"Nesním o úspěchu,
pracuji na něm!"

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Využijte svou sadu na maximum

Innovate



Složte přísahu inovátora

Složte přísahu inovátora zmíněnou na straně 6 a pochopte, co to znamená být inovátorem.



Naučte se používat manuál/video

Postupujte podle podrobných pokynů v příručce a naučte se sestavit vzrušující roboty pomocí vaší sady.



Sestavte, kódujte a ovládejte

Vytvářejte inovativní projekty pomocí své sady a ovládejte roboty pomocí Aviskaar Remote a Code pomocí Avishkaar Maker Studio.

-----> **Sdílejte** -----> **Vyhrajte**



Připojte se k Let's Avishkaar

Připojte se k naší FB komunitě – spojte se s inovátory a získajte nejnovější aktualizace webinářů..



NahrátProjekty Nahrajte projekty na

www.avishkaar.cc a sdílejte je s inovátory po celém světě.



Mezinárodní Soutěže

Zúčastněte se týdenních, měsíčních a ročních soutěží a vyhrajte celosvětově.



Přísaha inovátora

Složte níže přísahu inovátora, abyste se zavázali k celoživotnímu závazku k inovacím a řešení problémů. Sdílejte fotku na FB komunitě Let's Avishkaar.

I (write your name) _____

*solemnly swear that, since I am
now on the path of innovation,*

*I will not give up until my
innovation, my project is ready.*

*I will hone my skills and tools
and use them well. Innovation
and I will be inseparable.*

*I will always share my
innovations with other
innovators and learn with them.*

Your Signature



**Prozkoumejte
svou sadu**

Vítejte v Aviskaar

Stáhněte si aplikaci Aviskaar

Stáhněte si aplikaci Avishkaar nasazením QR kódů níže:



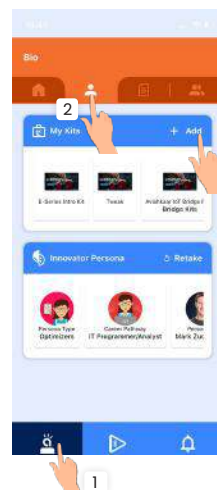
① Vytvořte si účet

Otevřete aplikaci a podle pokynů na obrazovce vytvořte účet.



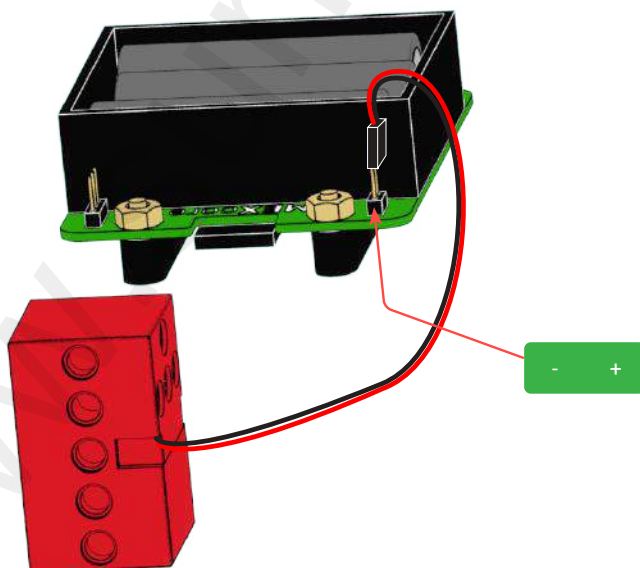
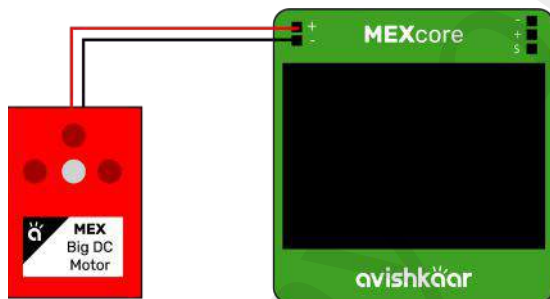
② Zaregistrujte svou sadu

Přejděte do sekce „Profil“ v aplikaci a kliknutím na „+ Přidat další“ v sekci „Moje sady“ zaregistrujte svou sadu. Tento krok je důležitý pro pozdější ovládání robota.



Product Registration
Sticker

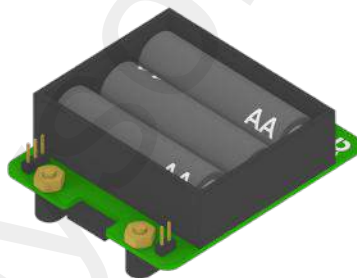
Jak připojit motor k MEXcore



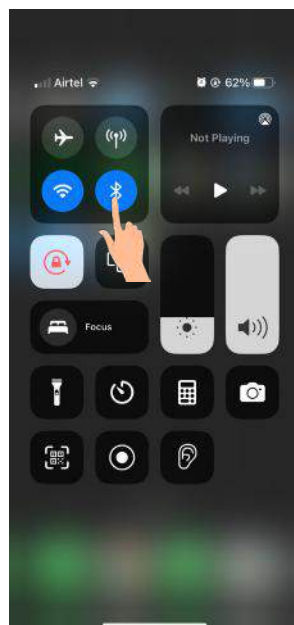
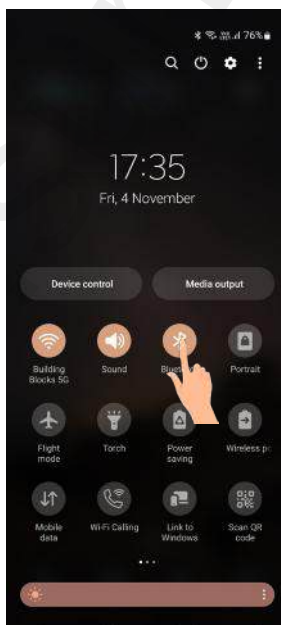
Ovládání aplikací

- 1 Vložte baterie do MEXcore a zapněte jej. Všimnete si, že MEXcoreLED blinká zeleně.

Poznámka - Používejte pouze alkalické články AA. (Jakýkoli jiný typ může poškodit jádro MEX.)



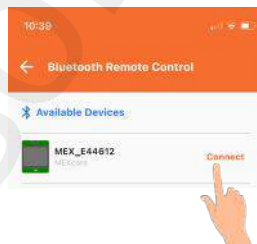
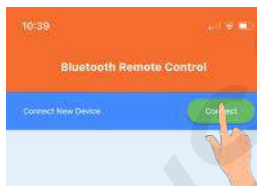
- 2 Zapněte na svém telefonu bluetooth.



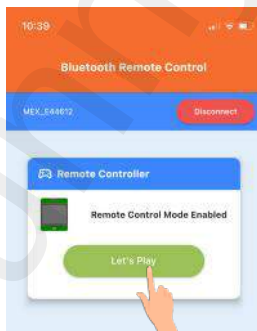
- 3 Otevřete aplikaci Avishkaar a klikněte na tlačítko „Přehrát“ v části „Domů“.



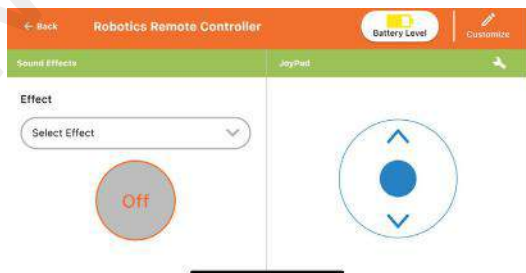
- 4 Klikněte na „Připojit“. Vaše aplikace by měla být schopna najít vaše MEXcore, pokud je zapnutá. Jakmile aplikace rozpozná váš MEXcor, klikněte na „Připojit“.



- 5 Klikněte na „Let's Play“ a v nabídce pro výběr sady vyberte „MEX Robotics Starter kit“.



- 6 Otevře se obrazovka dálkového ovládání, která vám umožní ovládat LED motor a zvuk vašeho Tuskeru. Bavte se!



Nakonfigurujte Zvukové efekty



Joystick



Kontrola pancéřování

Box 1 (Elektronika)



Avishkaar
MEXCore
x 1



MEX big DC
motor
x 1

Box 2 (Stavební díly)

nosník



15H nosník
x 1



11H nosník
x 2



9H nosník x
6



7H nosník
x 5

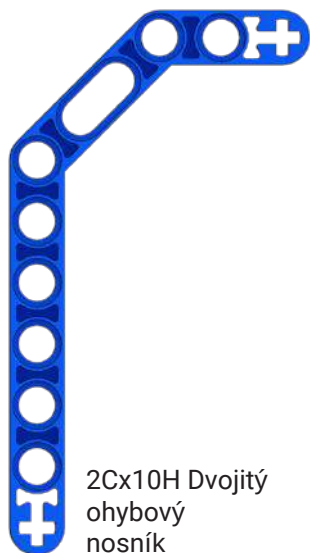


5H nosník x 4

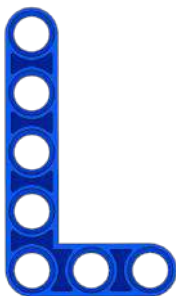


3H nosník x
10

Poznámka: „H“
znamená otvory. Např.
Nosník 15H znamená
nosník s 15 otvory.



2Cx10H Dvojitý
ohybový
nosník
x 2



7H
L-nosník
x 4



1Cx4H
L-nosník
x 6



5H
T-nosník
x 4



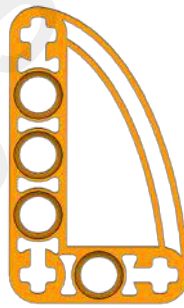
2Cx1H
Thin-nosník
x 2



1Cx1H nosník
x 2



3Cx2H Tenké-D
x 2



3Cx4H Tenké-D
x 2

PINY



Dlouhý
pin-modrý
x 12



Dlouhý pin-žlutý
x 2



Střední pin-černý
x 26



Střední pin-černý
x 4



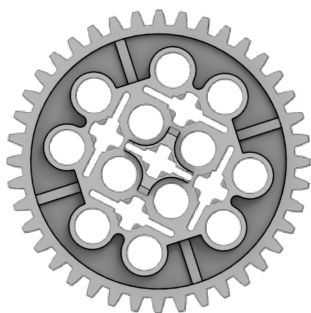
Pin střední
nápravy-modrý
x 4



Krátký pin-žlutý
x 2

Poznámka: C' znamená
, kříž'. Např. „1CX4HL-nosník
“ má jeden kříž a čtyři otvory.

PŘEVOD



Čelní ozubené
kolo-40T
x 1



Čelní
ozubené
kolo-8T
x 2



Šneková
převodovka-velká
x 1

KONEKTOR



3Hx4 Pin
Konektor
x 2

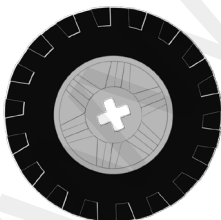


Náplň nápravy
- velká
x 14



Náplň nápravy -
malá
x 6

KOLA



kolo
x 4

Vše o nápravách

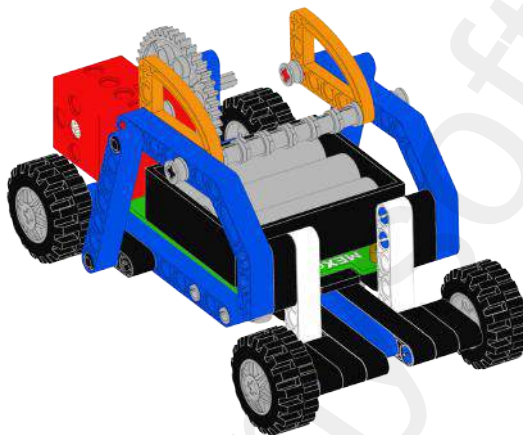
11. Otvor	10. Otvor	9. Otvor	8. Otvor	7. Otvor	6. Otvor	5. Otvor	4. Otvor	3. Otvor	2. Otvor	1. Otvor	11H Nosník
											Náprava
											11H (2)
											10H (2)
											8H (1)
											7H (1)
											6H (1)
											5H (2)
											5H (1)
											3H (2)
											2H (2)

1:1

Poznámka: H" v názvu nápravy znamená nosník, jeho výška je rovna např.- 5H Náprava je rovna výšce nosníku 5H.

Project : MEX mobil

Pojďme stavět!



Věci, které potřebujeme



11H
nosník
x 2



7H
nosník
x 3



9H
nosník
x 2



5H nosník
x 2



7H
L-nosník
x 2



3H
nosník
x 10



2Cx10H
Dvojitý
ohybový
nosník
x 2



3Cx4H
Tenký-D
x 2



Čelní ozubené kolo
40T x 1



Čelní ozubené
kolo-8T
x 1



3Hx4Pin
Konektor
x 2



Náplň
nápravy-velká
x 10



Tip na sestavení



Dlouhé modré piny mají dvě různé strany!

Jedna strana může jít do dvou nosníků současně, zatímco jedna strana může jít pouze do jednoho. Dávejte pozor na to, kterou stranu je třeba v daném kroku vložit.

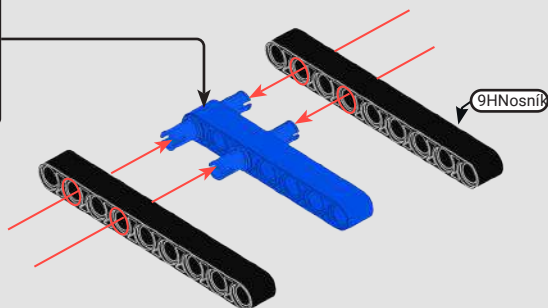
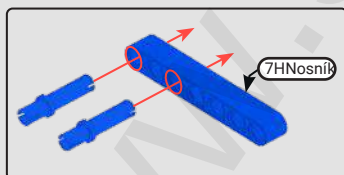


1

1:1



Dlouhý pin-modrý

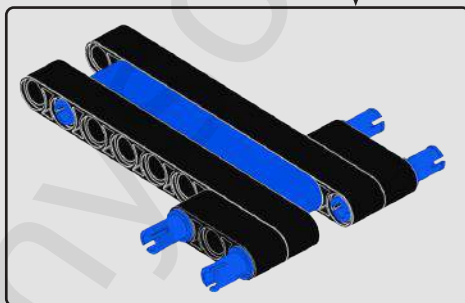
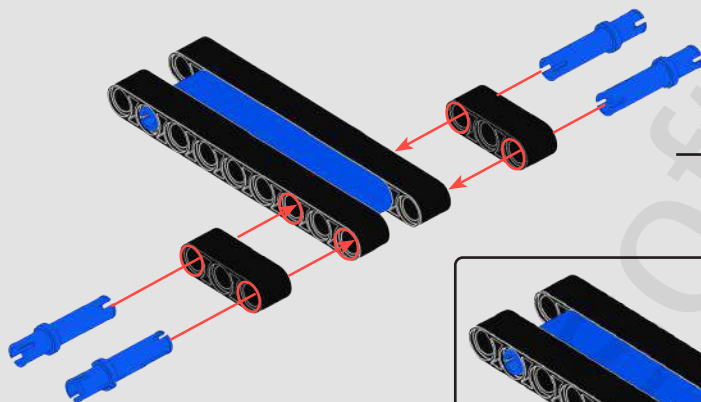


2

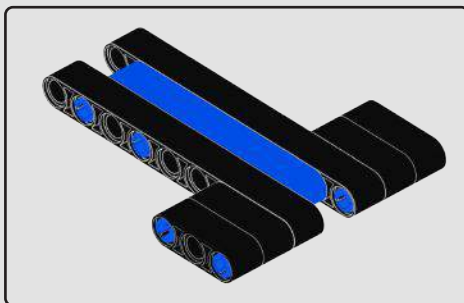
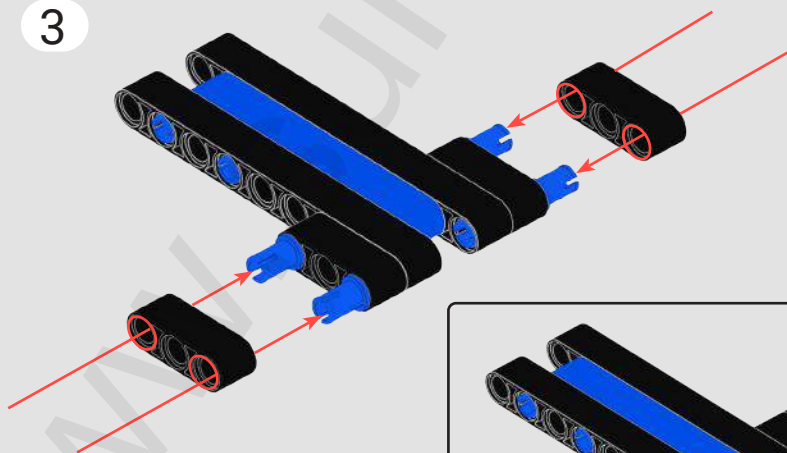
1:1



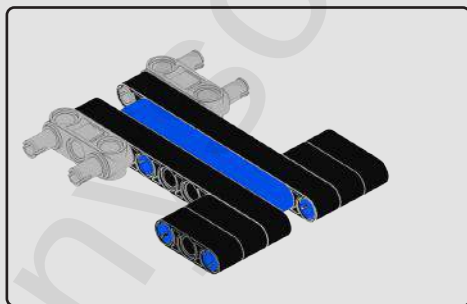
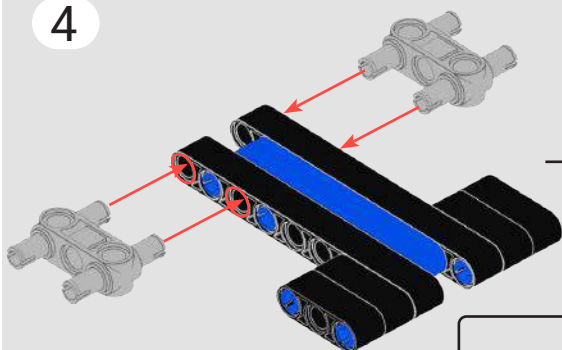
Dlouhý pin modrý



3



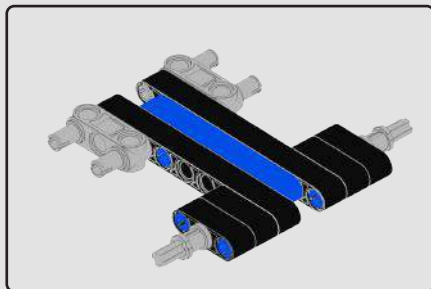
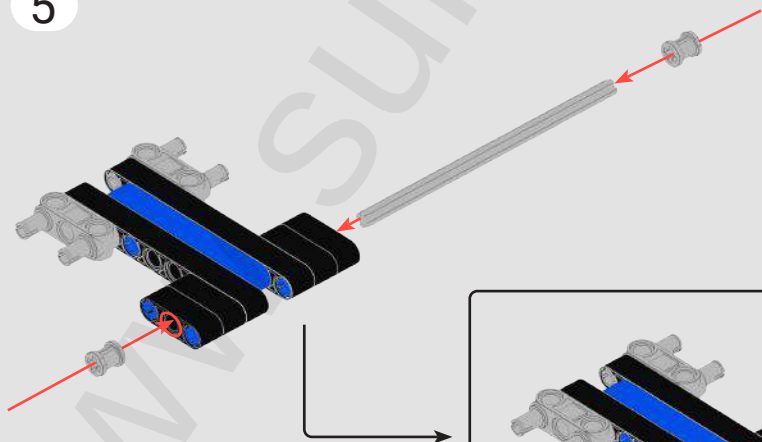
4



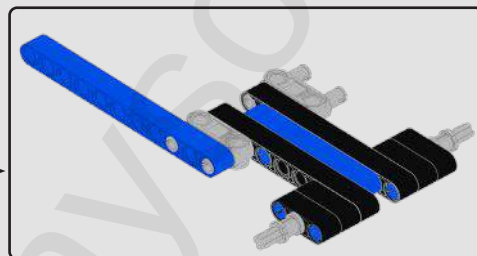
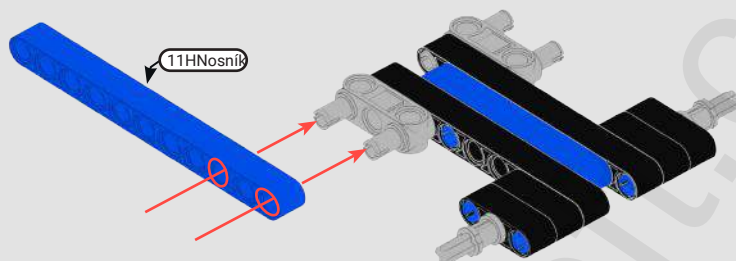
1:1

11H náprava

5



6



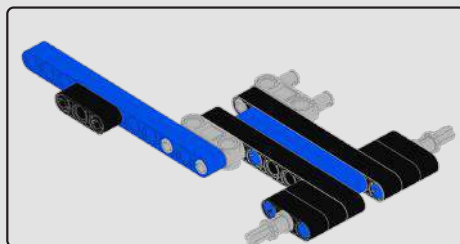
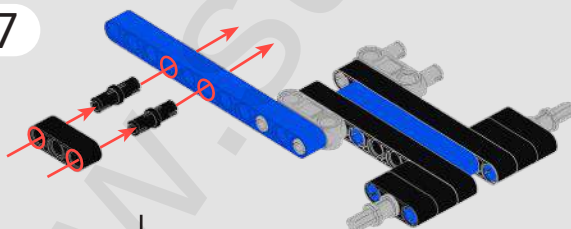
Tip na sestavení



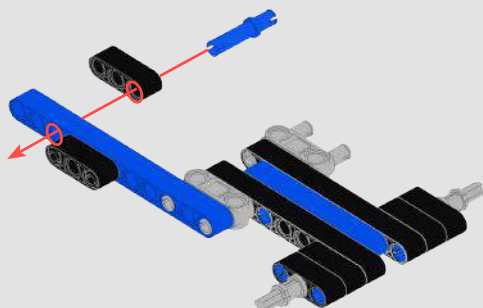
Černé střední piny může jít trochu obtížné vložit!
Ale nebojte se. Protlačte je a ujistěte se, že spoj je
pevný. Použijte trochu síly. :)



7



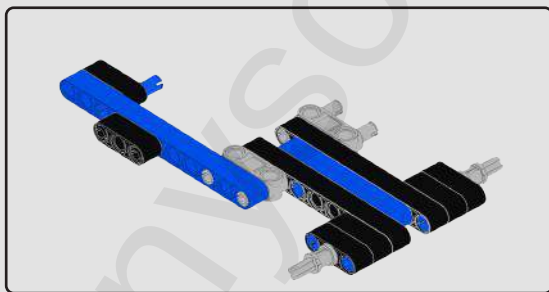
8



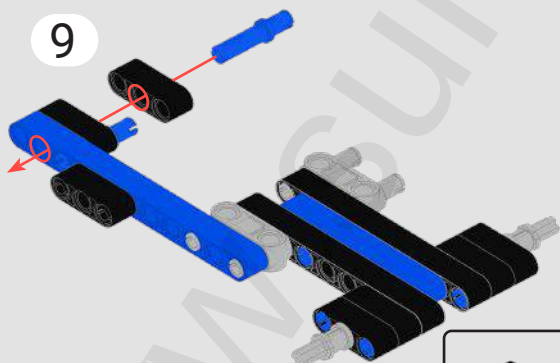
1:1



Dlouhý pin-modrý



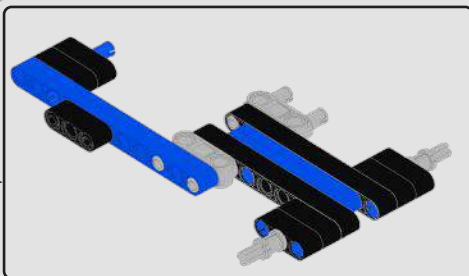
9



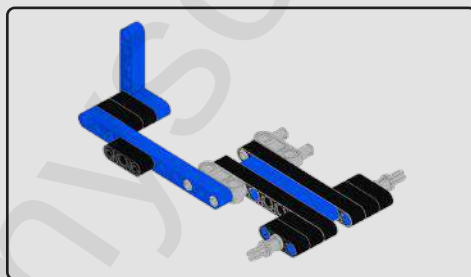
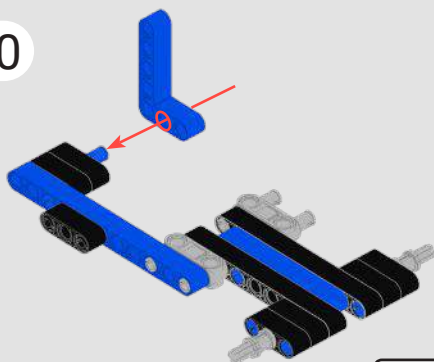
1:1



Dlouhý pin-modrý



10

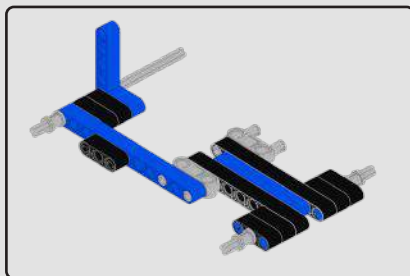
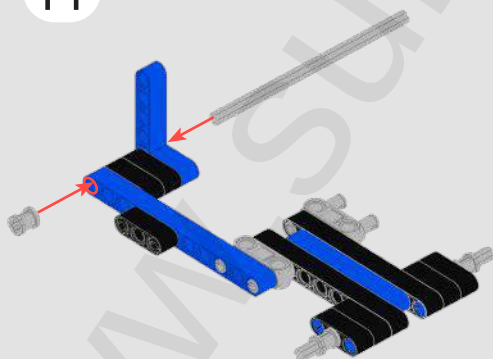


11

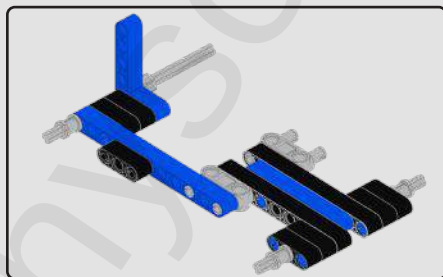
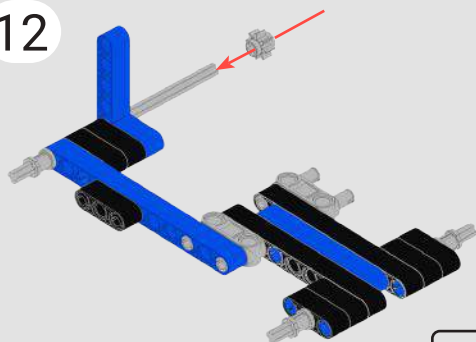
1:1



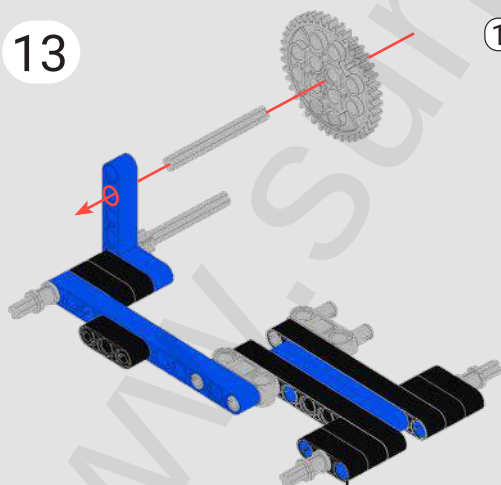
11H Náprava



12



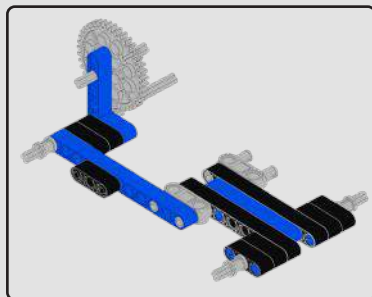
13



(1:1)

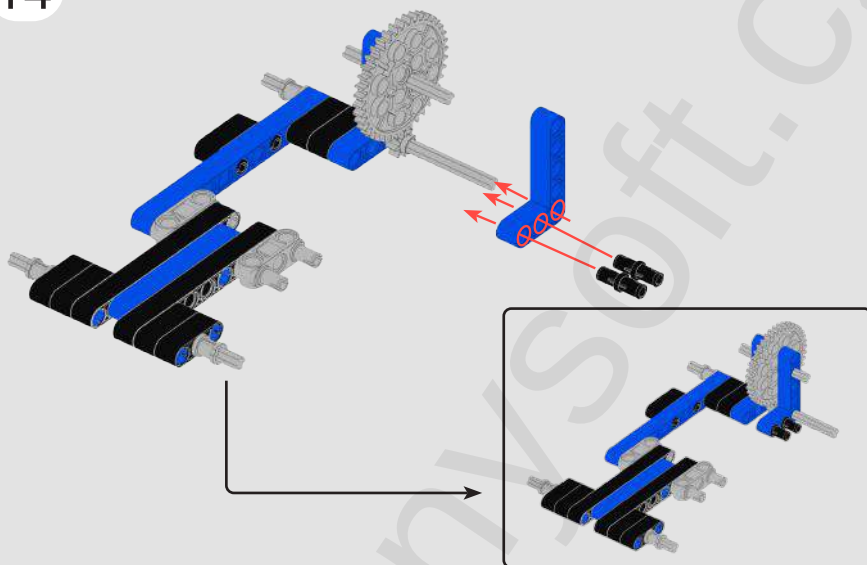


5H Náprava

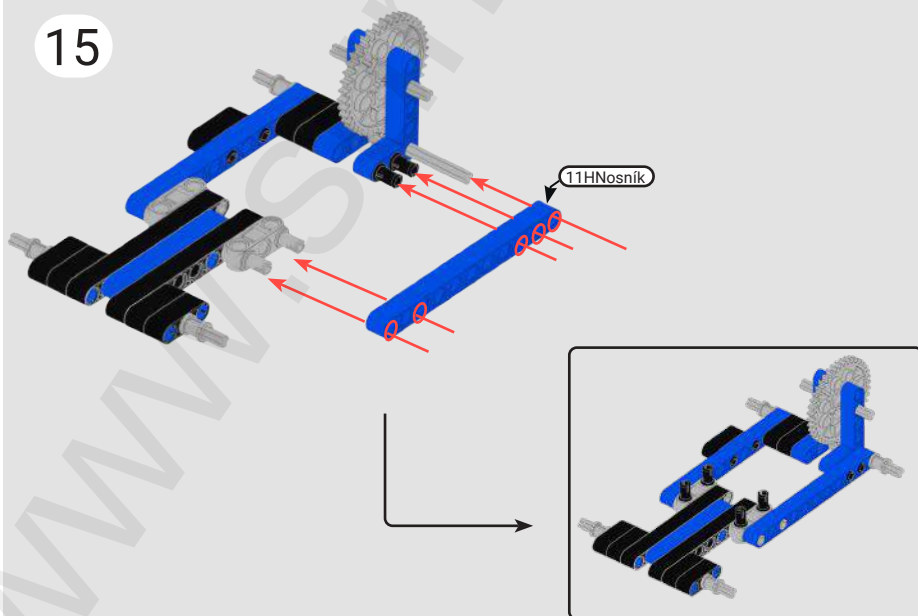


14

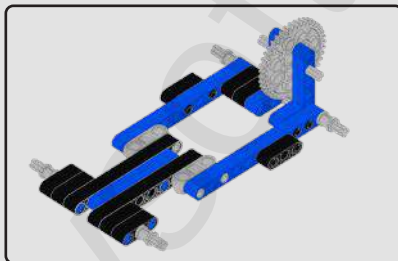
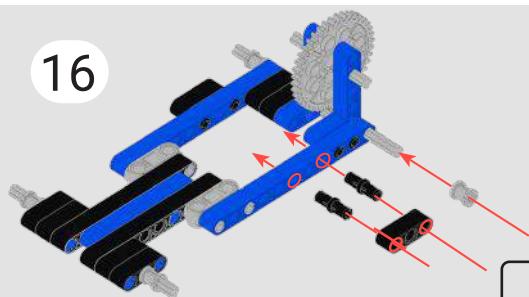
Pohled zepředu vpravo nahoře



15



16



Typ na sestavení

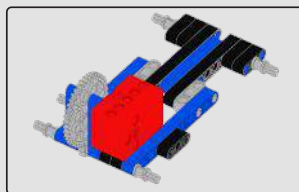
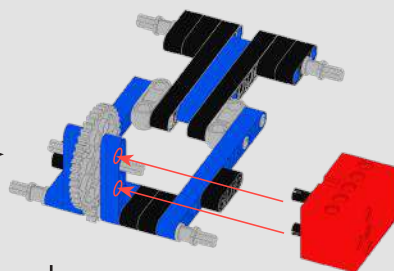
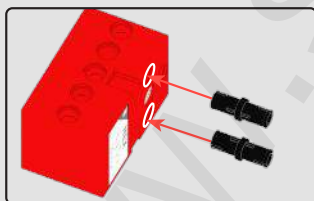


Černé střední piny lze zasunout pouze na jednu stranu motoru! Černé piny lze vložit pouze na stranu motoru s bílou nálepkou. Na druhé straně s popisovačem - lze použít pouze malé žluté piny.



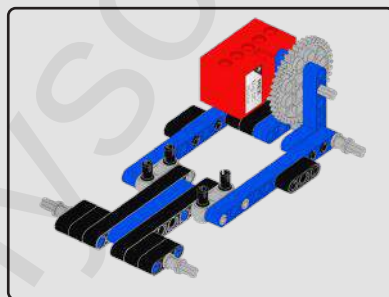
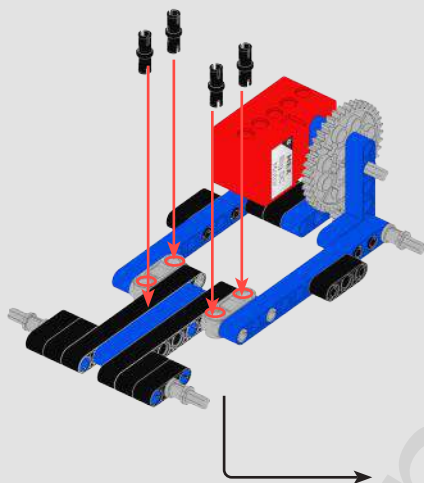
17

↻ Pohled vlevo nahoře zezadu

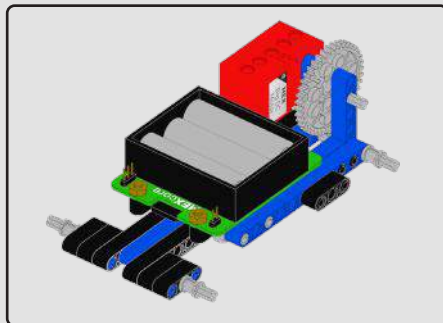
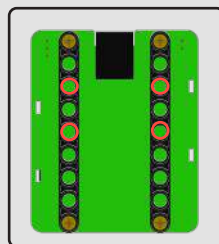
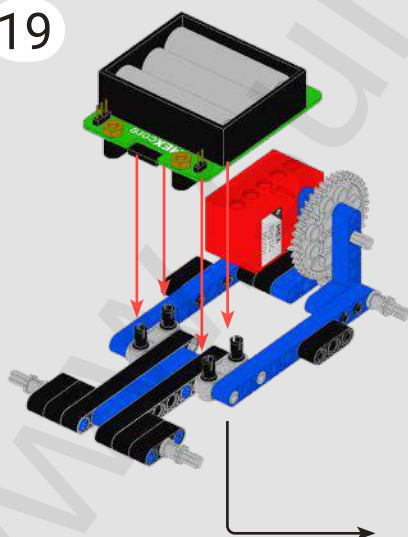


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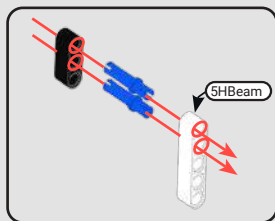
Pohled zepředu vpravo nahoře



19



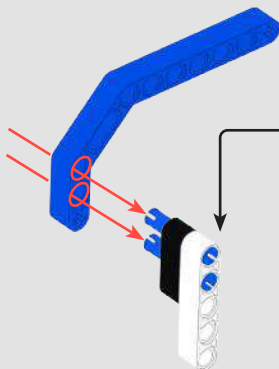
19



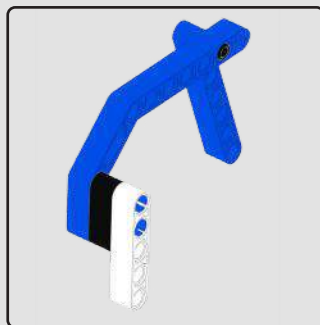
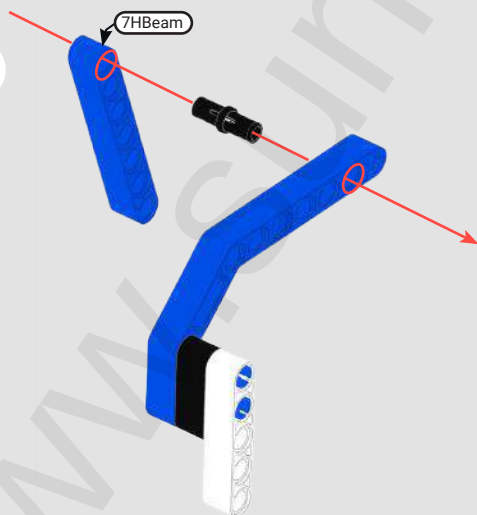
1:1



Dlouhý pin modrý



20

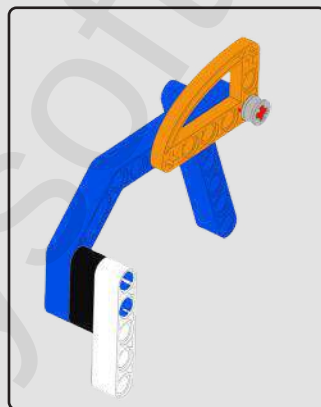
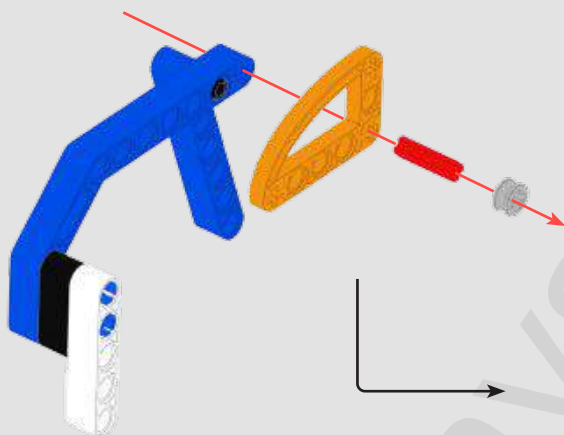


21

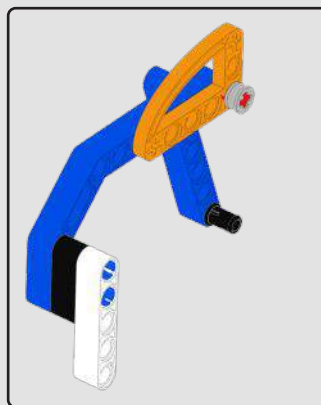
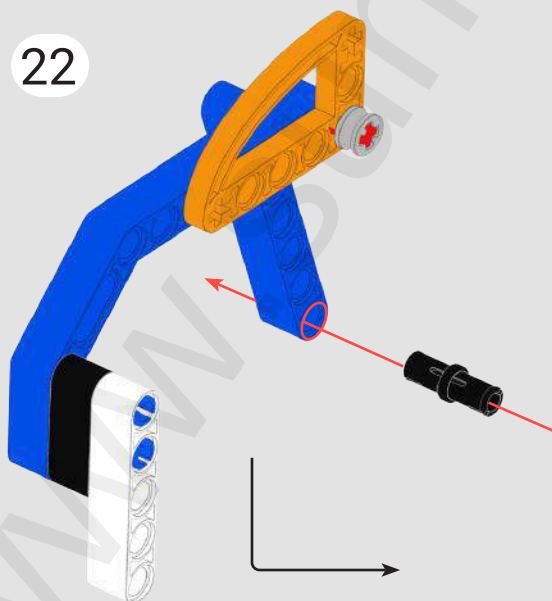
1:1



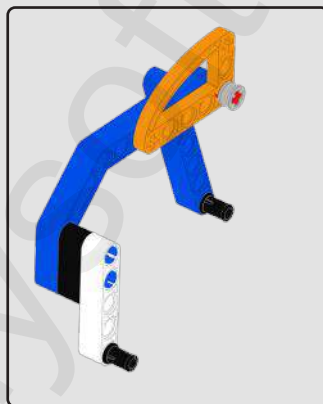
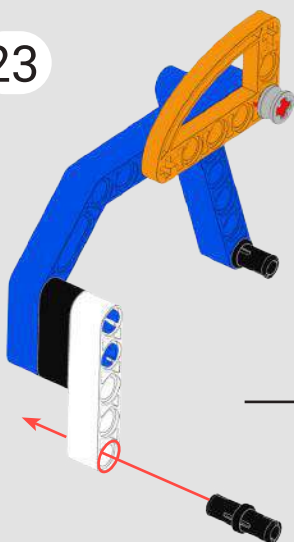
2H Náprava



22



23



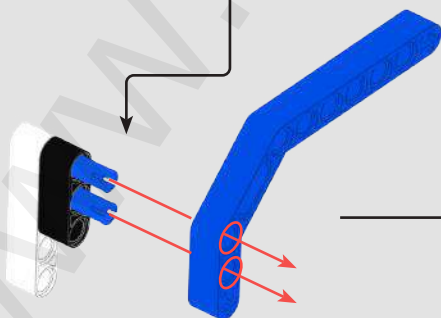
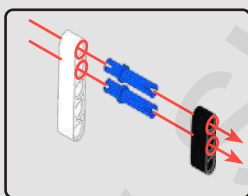
Udělejme zrcadlovou stranu.

24

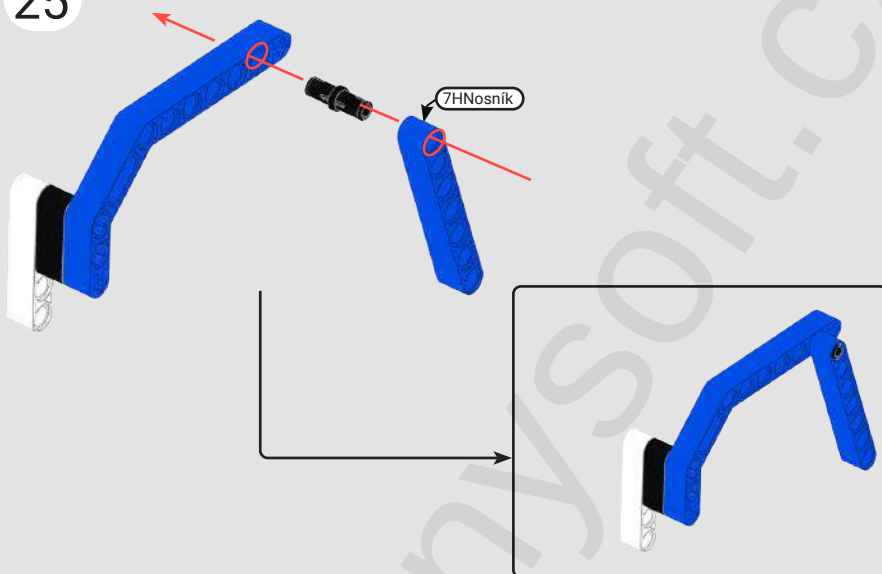
1:1



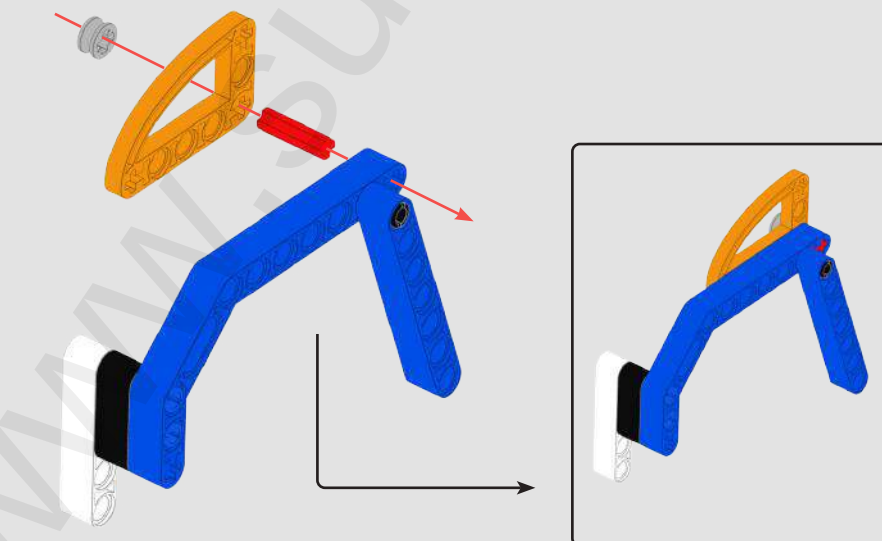
Dlouhý pin modrý



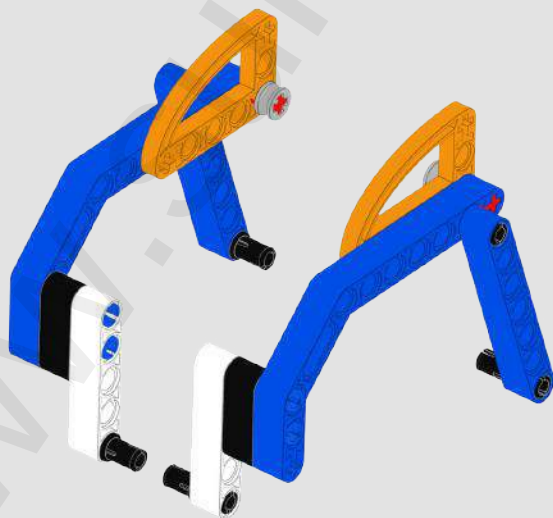
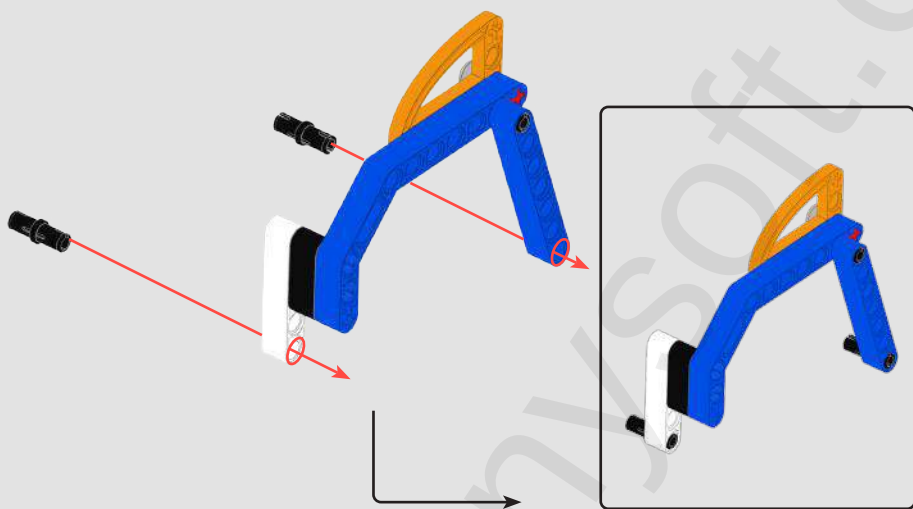
25



26



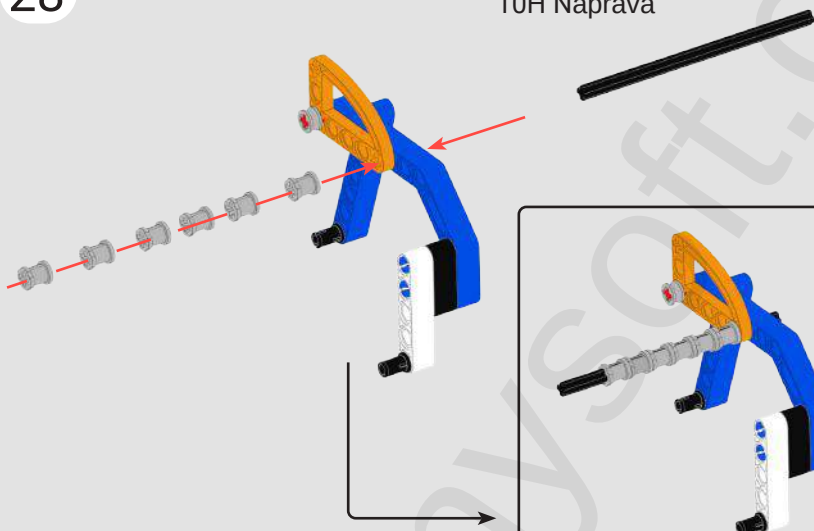
27



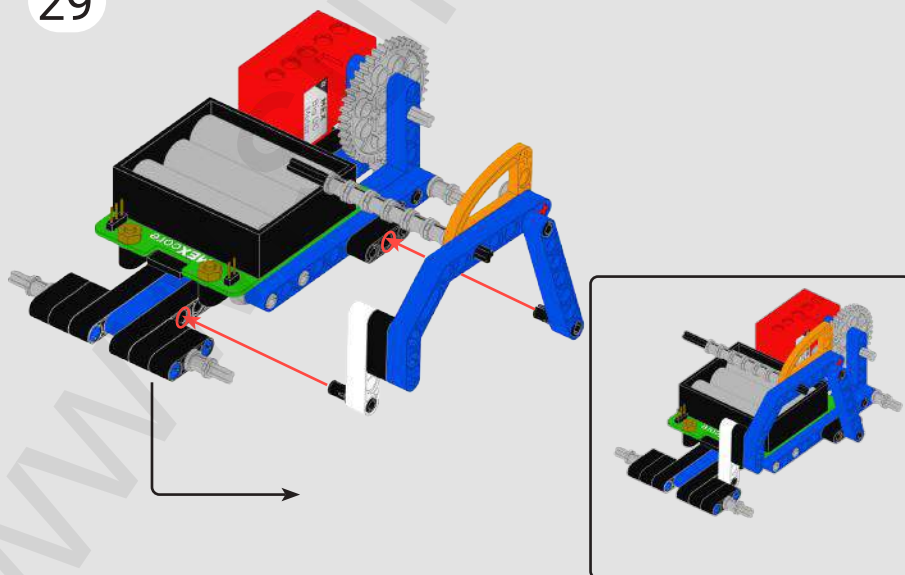
28

1:1

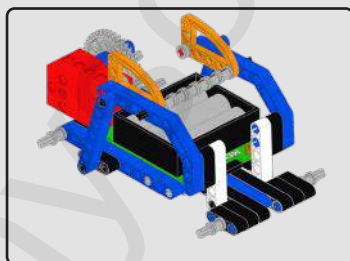
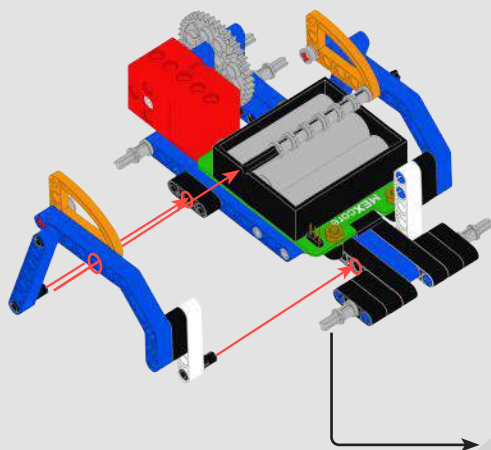
10H Náprava



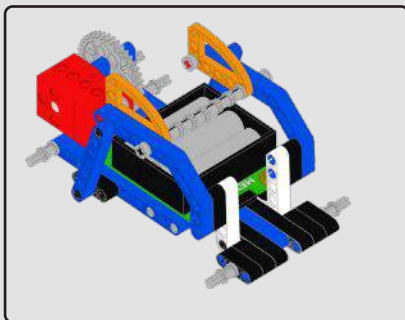
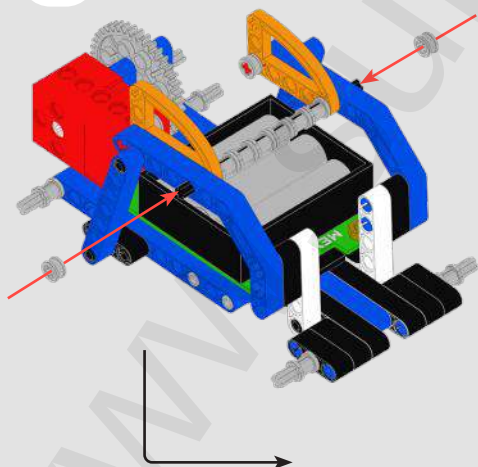
29



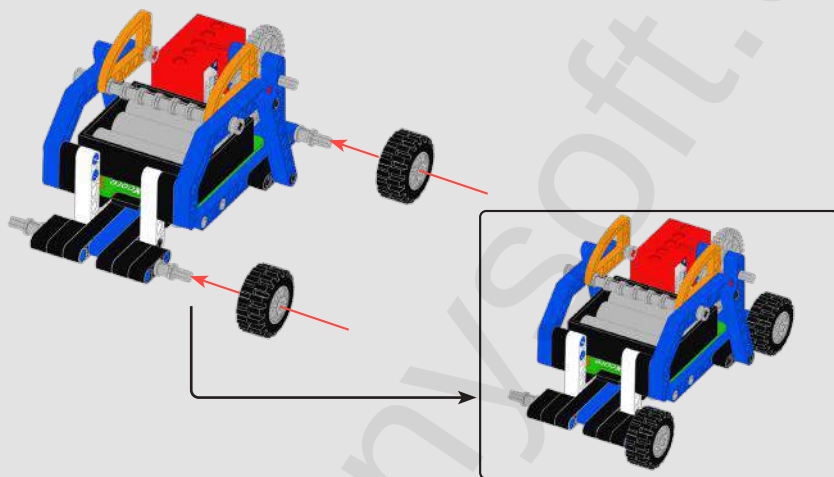
30



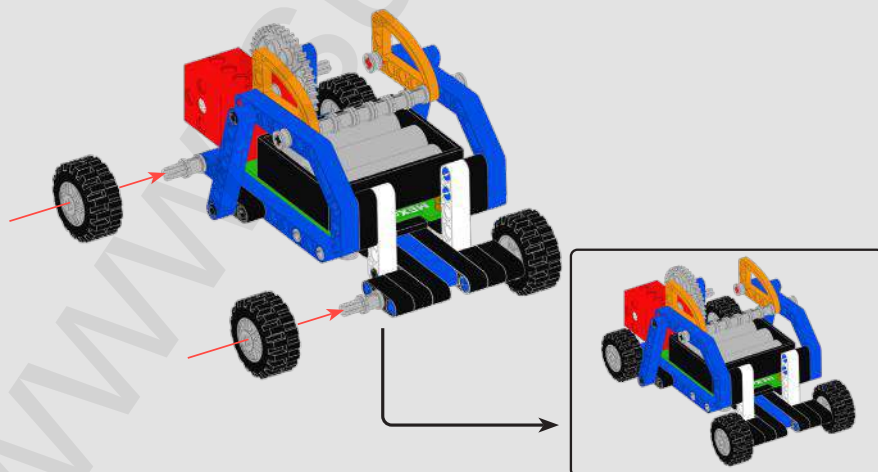
31



32



33



Gratulujeme k dokončení tohoto projektu!

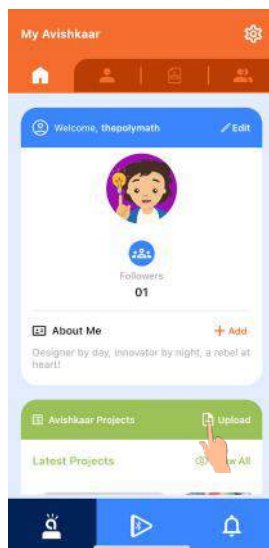
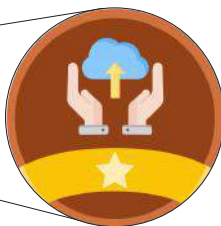
Baví vás hrát si s tím pomocí mobilní aplikace avishkaar?
Přejděte na stránku 8 s podrobnými pokyny, jak stáhnout aplikaci a ovládat pomocí ní robota.



Sdílejte svůj výtvor se světem a vyhrajte odznak , Scratch the Surface' úrovně 1

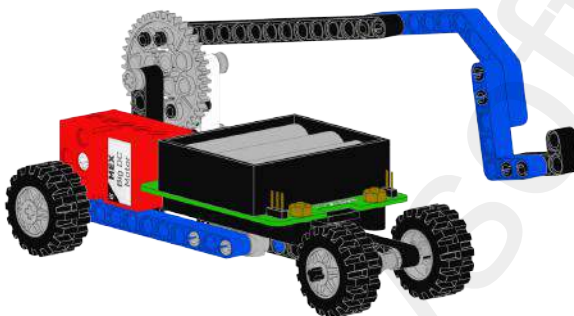
Nahrajte fotografie nebo videa svého projektu pomocí projektové sekce aplikace Avishkaar a vyhrajte odznak , Scratch the Surface' úrovně

1. Podívejte se na všechny své nasbírané odznaky v sekci úspěchů vašeho profilu na www.avishkaar.cc. Prozkoumejte všechny ostatní odznaky, které chcete sbírat, a vyhrajte je všechny!



Projekt 2: Jeřáb

Pojďme stavět!



Věci, které potřebujeme



15H
Nosník
x 1



11H
Nosník
x 2



9H
Nosník
x 2



5H Nosník
x 1



3H
Nosník
x 6



5H
T-Nosník
x 2



2Cx10H
Dvojitý
ohybový
Nosník
x 1



7H L-Nosník
x 1



1Cx4H
L-Nosník
x 1



Čelní
ozubené kolo
40T x 1



Čelní ozubené kolo-8T
x 1



3Hx4Pin
Konektor
x 2



Náplň
nápravy-velká
x 5



Náplň
nápravy -
malá
x 3



5H
Náprava
x 1



11H
Náprava
x 1



6H
Náprava
x 1



8H Náprava
x 1



Krátký
pin-žlutý
x 2



Dlouhý
pin-modrý
x 5



Střední
pin-černý
x 16



Kolo
x 4



MEX velký
DC
motor
x 1



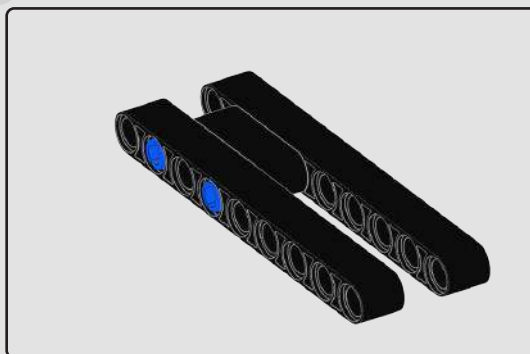
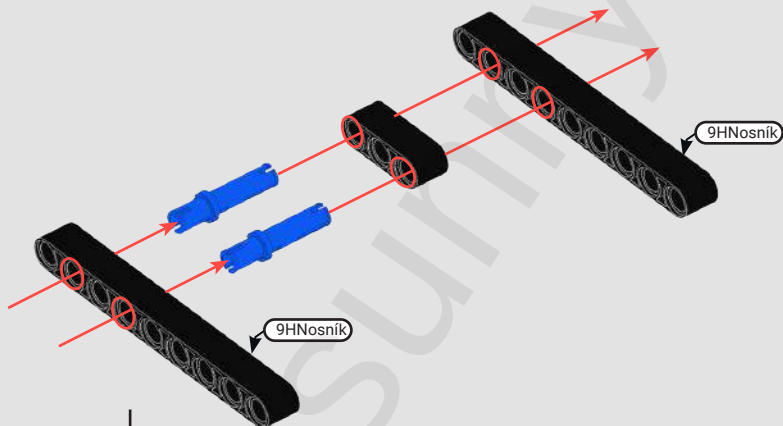
Avishkaar
MEXCore
x 1

1

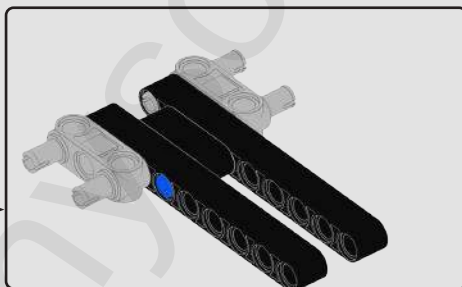
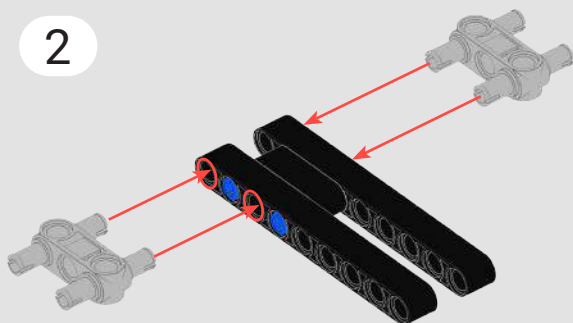
1:1



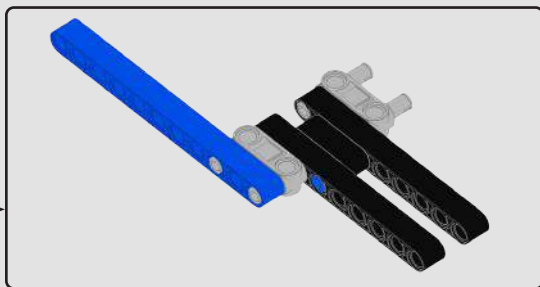
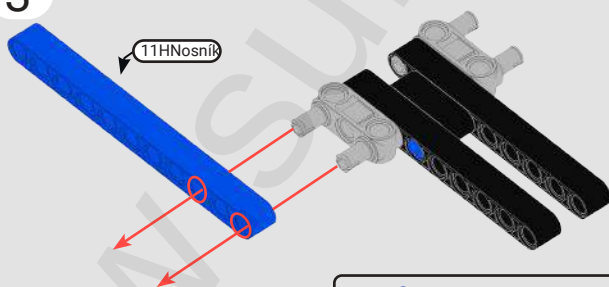
Dlouhý pin-modrý



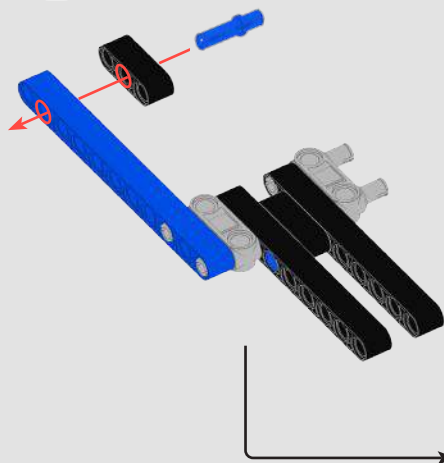
2



3



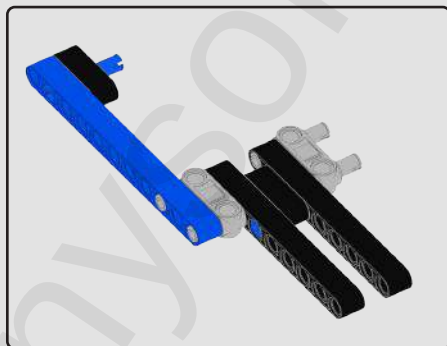
4



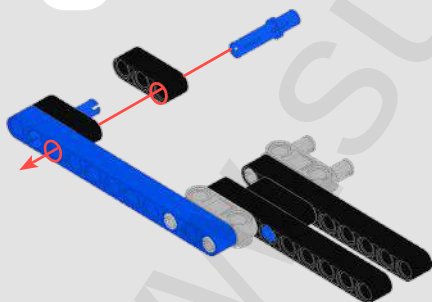
1:1



Dlouhý pin-modrý



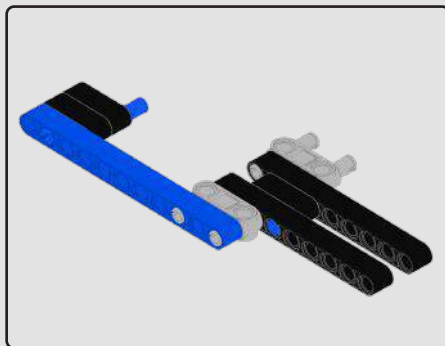
5



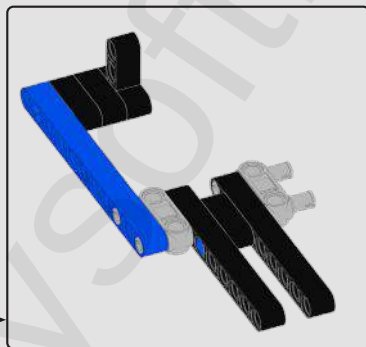
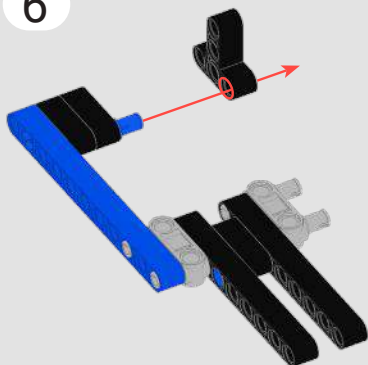
1:1



Dlouhý pin-modrý



6



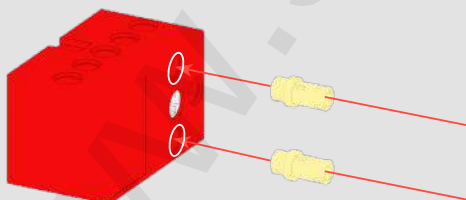
Tip na sestavení



Krátké žluté piny mohou být trochu tenké! Při jejich používání buďte opatrní. Snadno se rozbijí. A také může být těžké je odstranit – vezměte si na pomoc rodiče nebo dospělého, abyste je bezpečně odstranili.



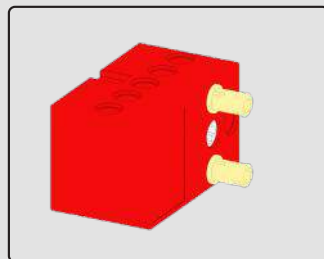
7



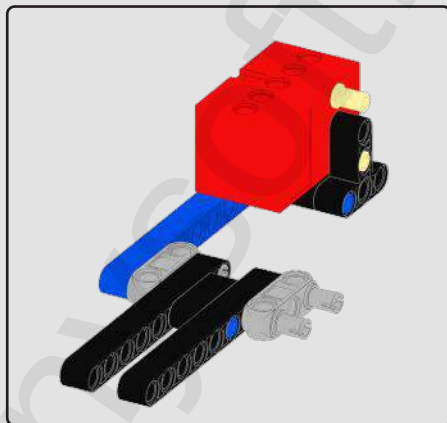
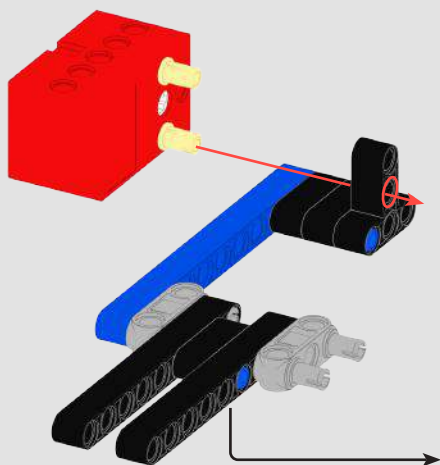
1:1



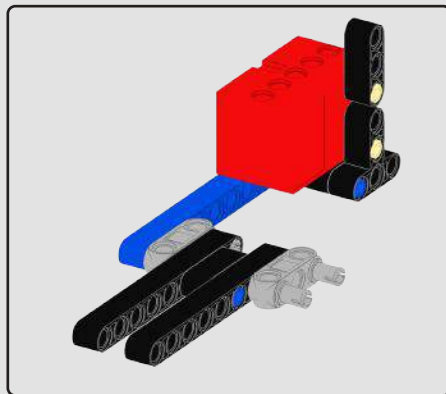
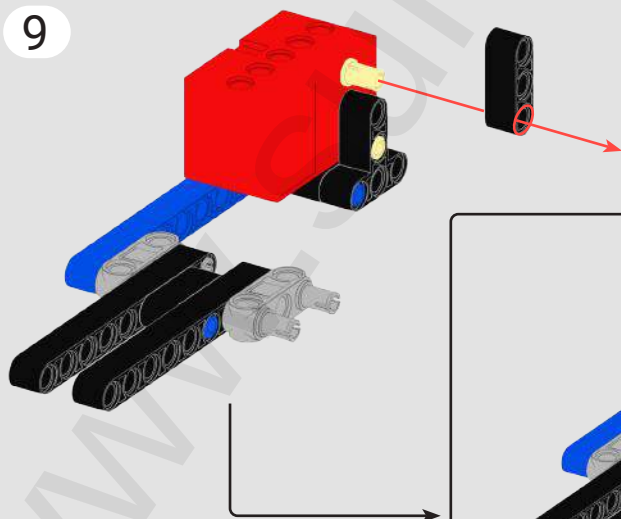
Krátký pin žlutý



8



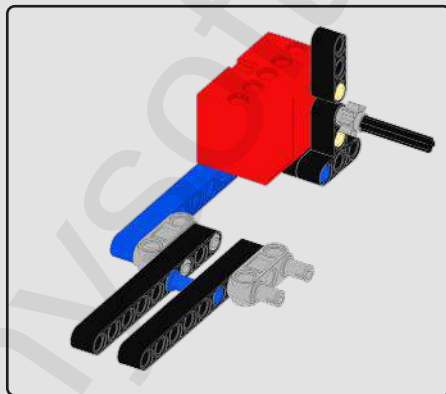
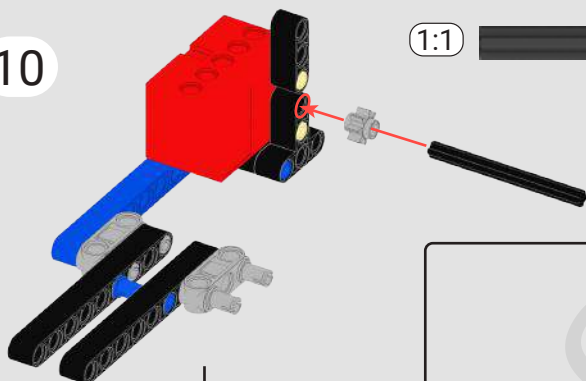
9



10

1:1

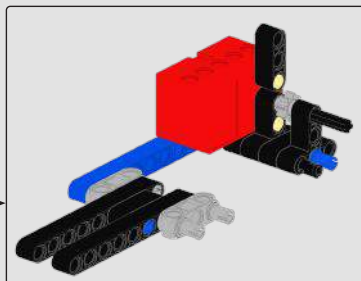
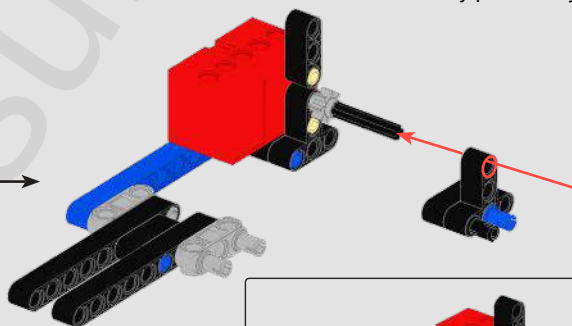
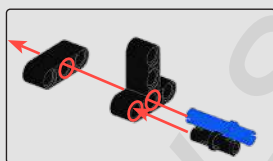
6H Náprava



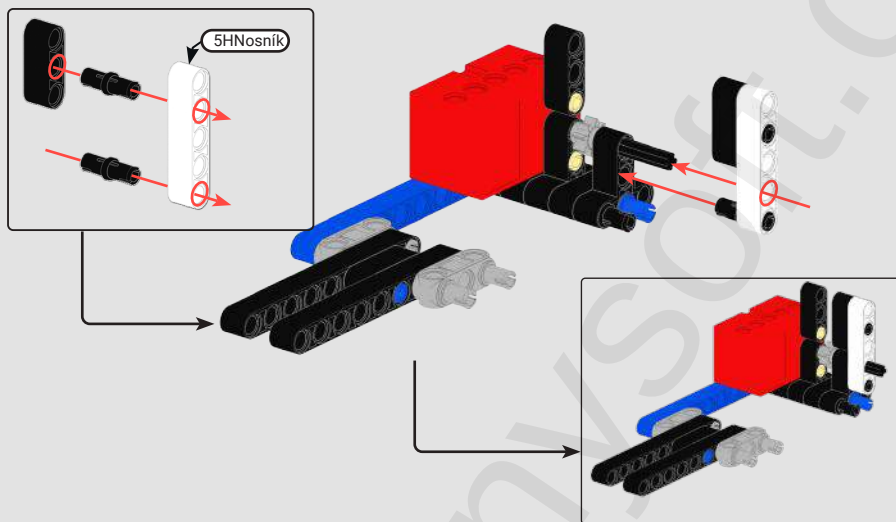
11

1:1

Dlouhý pin-modrý



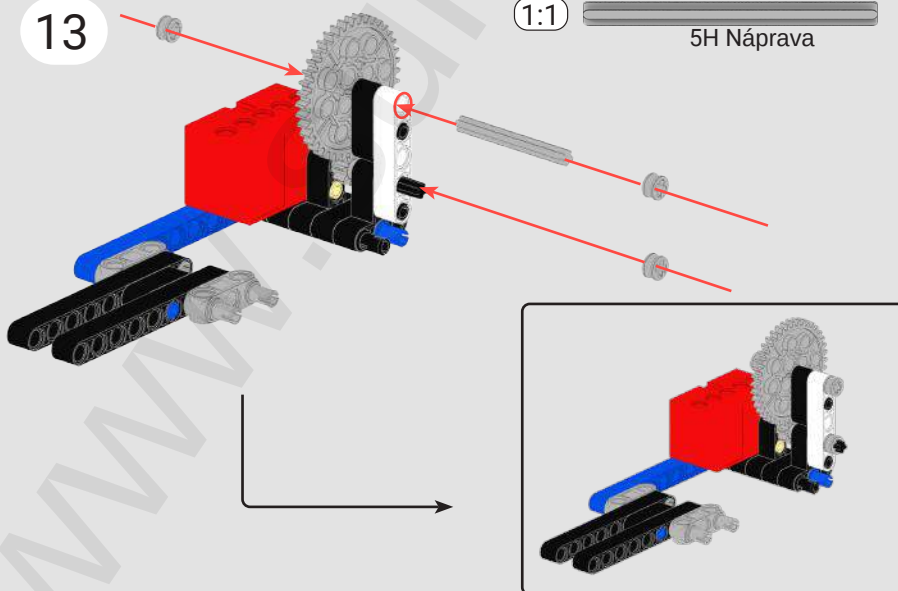
12



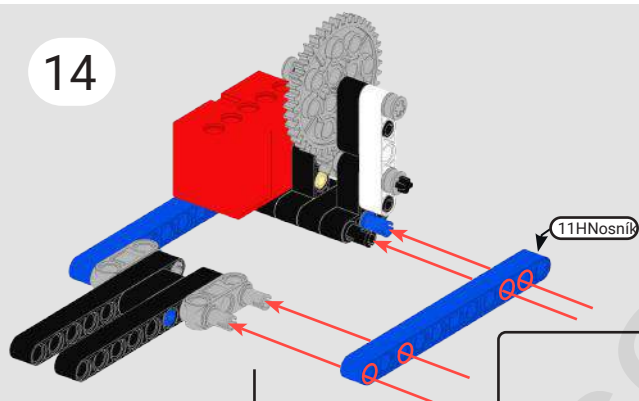
13

1:1

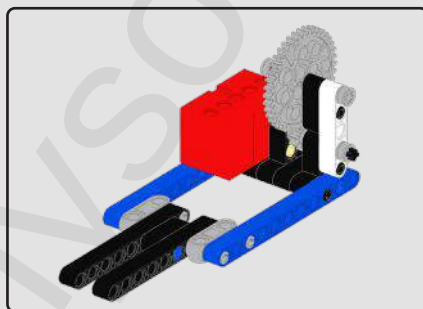
5H Náprava



14



11H Nosník

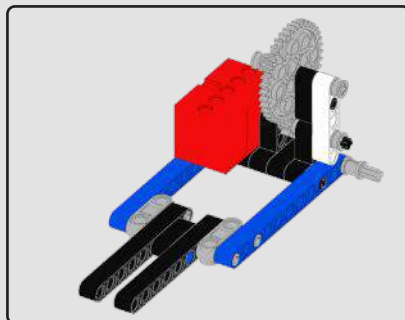
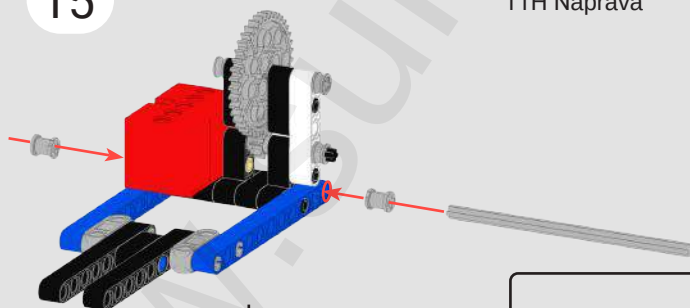


15

1:1



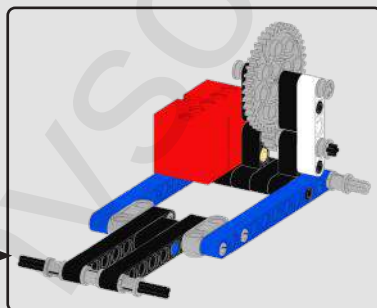
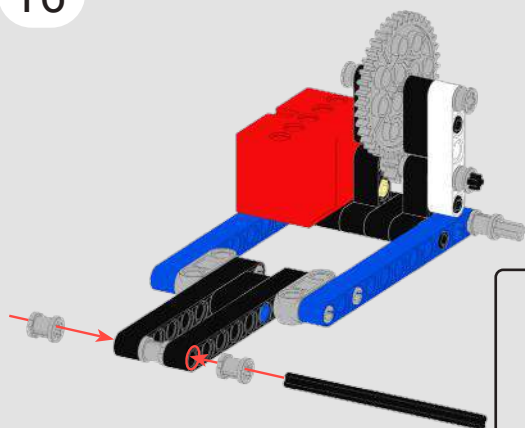
11H Náprava



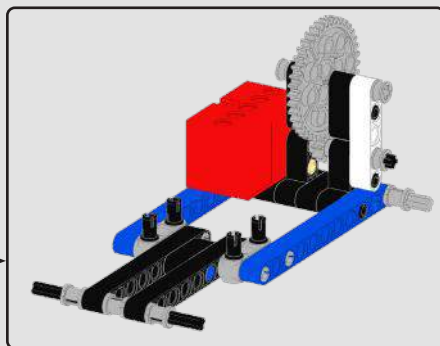
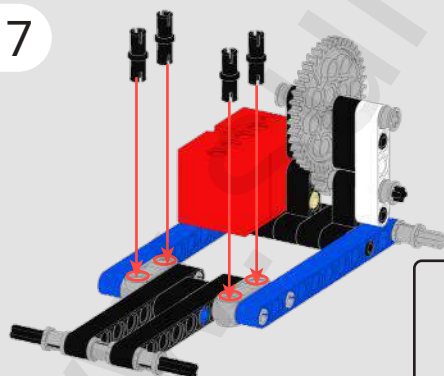
16

1:1

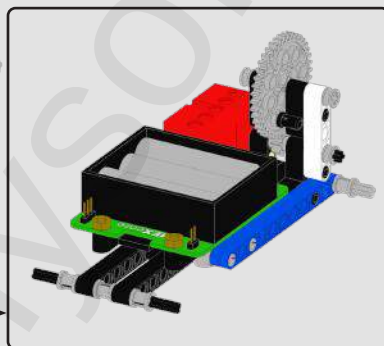
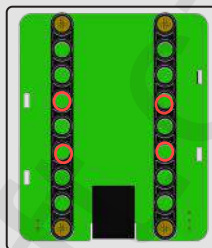
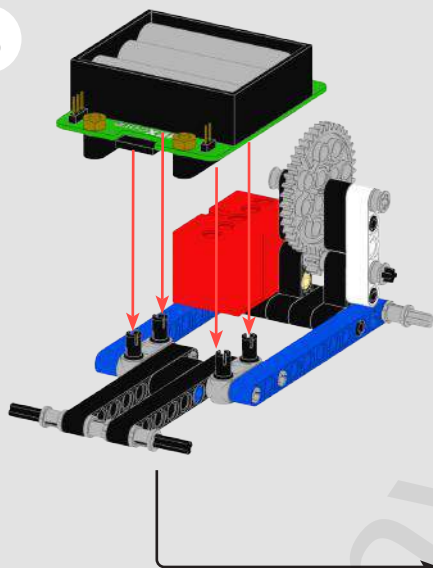
8H Náprava



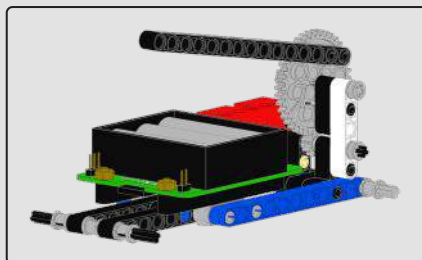
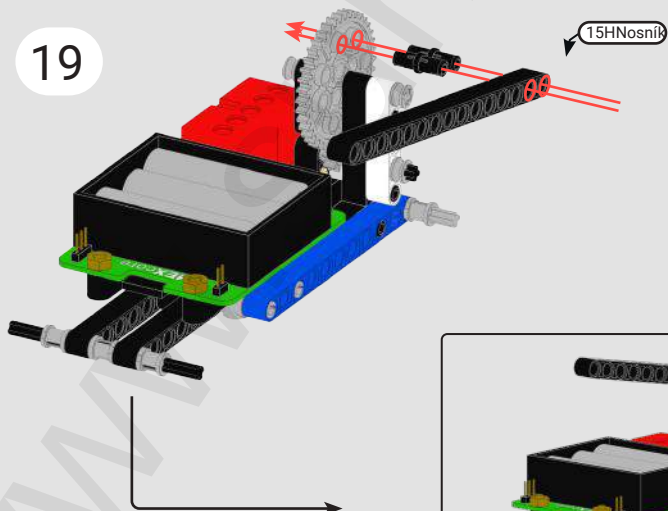
17



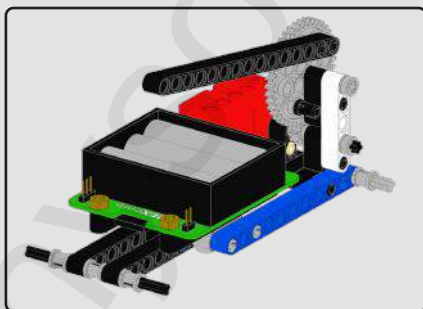
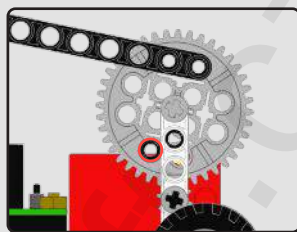
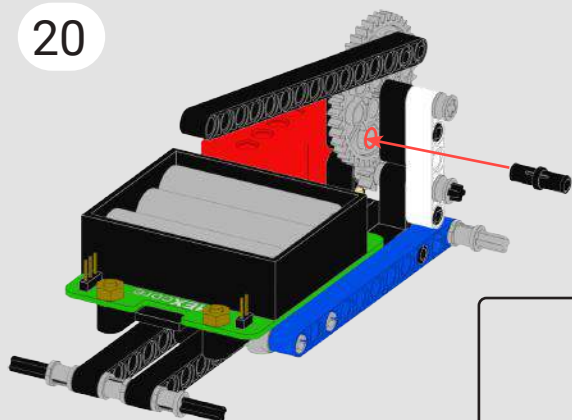
18



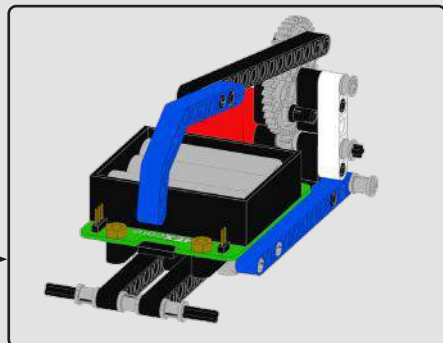
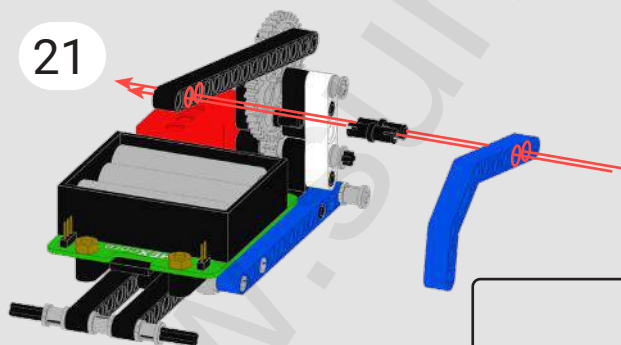
19



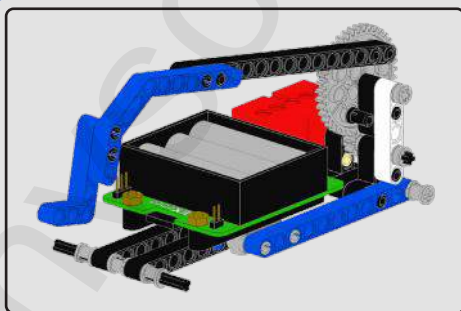
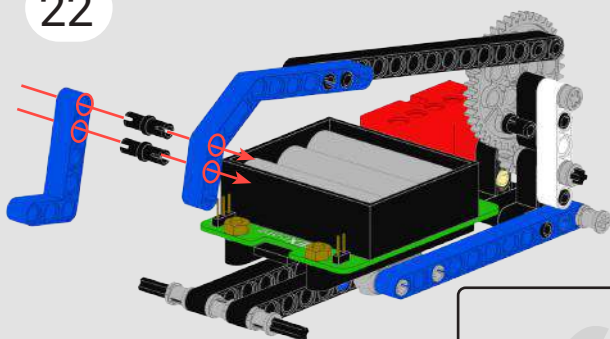
20



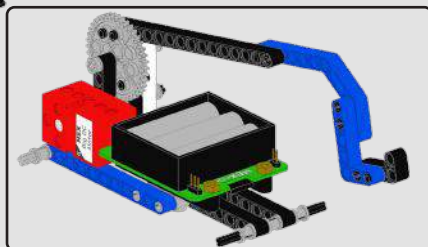
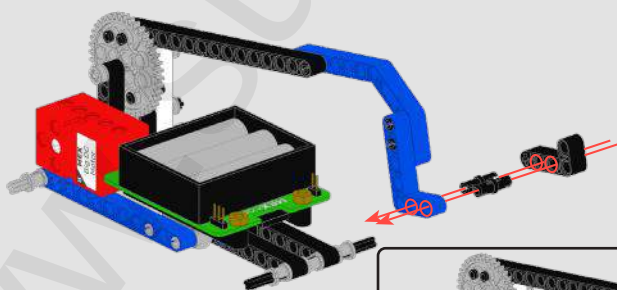
21



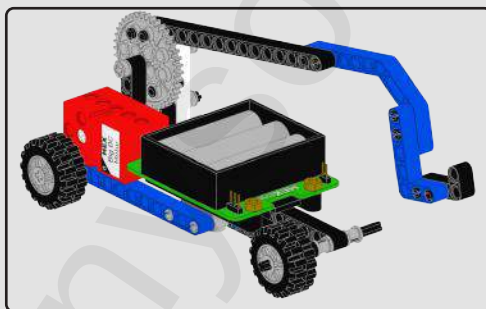
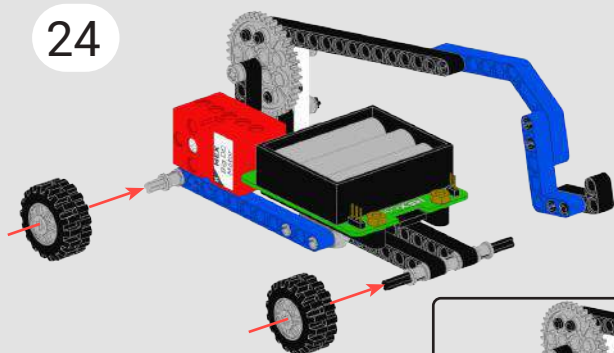
22



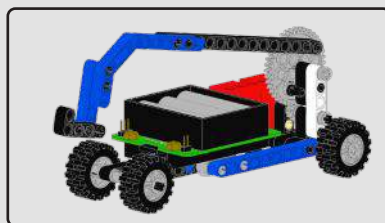
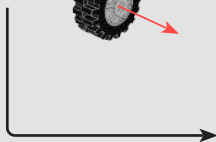
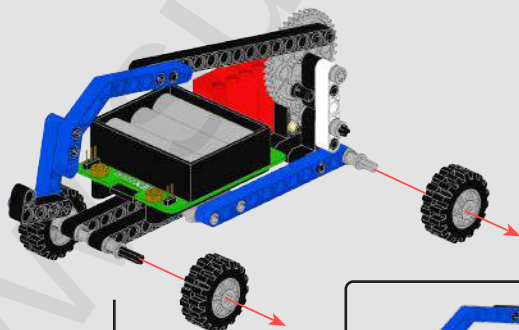
23



24



25



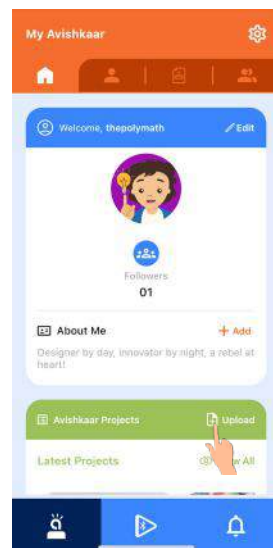
Gratulujeme k dokončení tohoto projektu!

Baví vás hrát si s tím pomocí mobilní aplikace avishkaar?
Přejděte na stránku 8 s podrobnými pokyny, jak stáhnout aplikaci a ovládat pomocí ní robota.



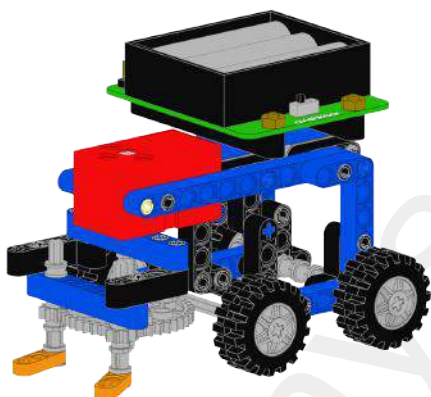
Sdílejte svůj výtvor se světem a vyhraje odznak „Scratch the Surface“ úrovně 2

Nahrajte fotografie nebo videa svého projektu pomocí projektové části aplikace Avishkaar, abyste mohli získat odznak „Scratch the Surface“ úrovně 2.
Podívejte se na všechny své nasbírané odznaky v sekci úspěchů vašeho profilu na www.avishkaar.cc. Prozkoumejte všechny ostatní odznaky, které chcete sbírat, a vyhraje je všechny!



Projekt 3: Sněhový pluh

Pojďme stavět!



Věci, které potřebujeme



11H
Nosník
x 2



7H
Nosník
x 4



3H
Nosník
x 2



7H L-Nosník
x 2



5HT
Nosník
x 4



1Cx4H
L-Nosník
x 4



2Cx1H
Tenký-Nosník
x 2



Čelní
ozubené kolo
40T x 1



Čelní ozubené
kolo-8T x 2



3Hx4 Pin
Konektor
x 2



Náplň
nápravy-velká
x 11



Náplň
nápravy -
malá
x 3



5H Zakrytá
náprava
x 2



11H
Náprava
x 2



6H Náprava
x 1



Krátký
Pin-žlutý
x 2



Dlouhá
pin-modrá
x 5



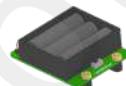
Střední
Pin
černý
x 20



Pin střední
nápravy-modrý
x 2



Kolo x 4

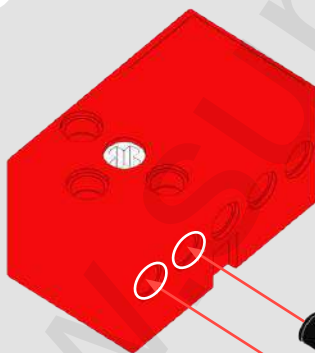


Avishkaar
MEXCore
x 1



MEX velký
DC
motor
x 1

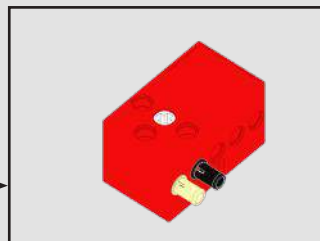
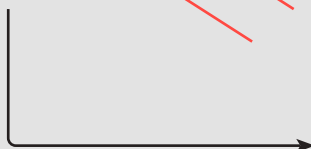
1



1:1



Krátký pin žlutý

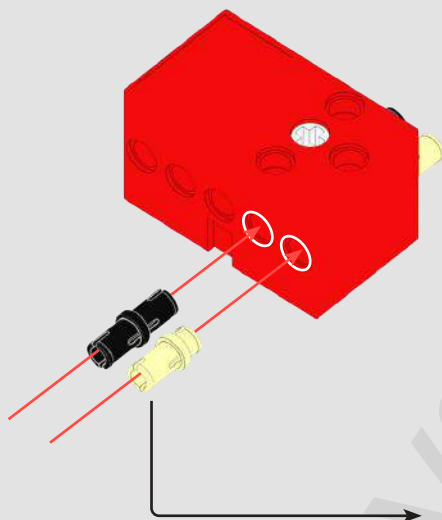


2

1:1



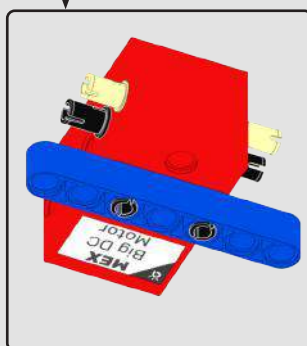
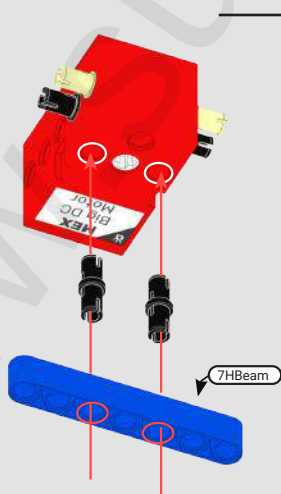
Krátký pin žlutý



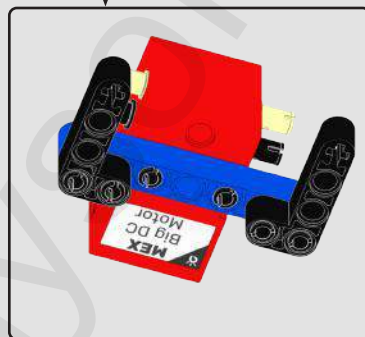
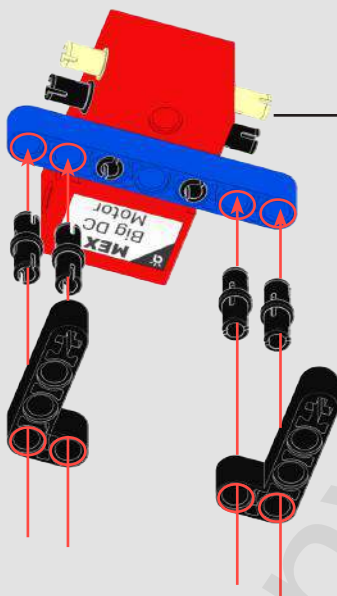
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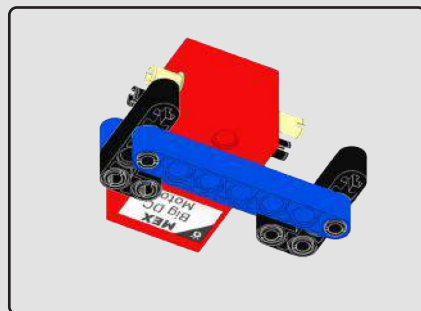
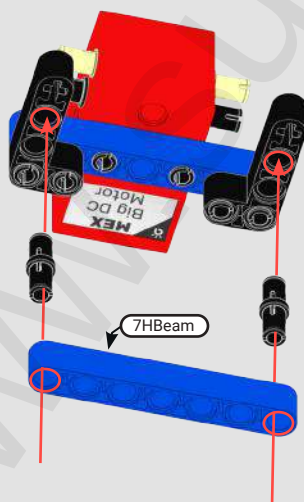
Pohled zepředu vpravo dole



4



5

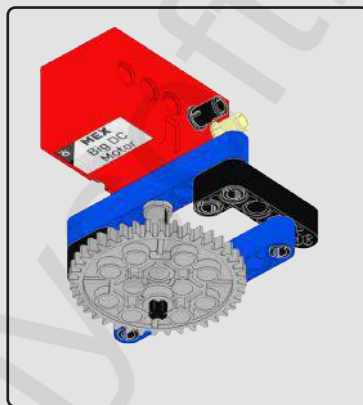
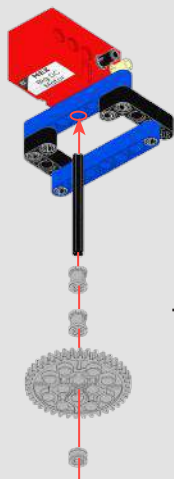


6

Pohled zezadu vlevo dole

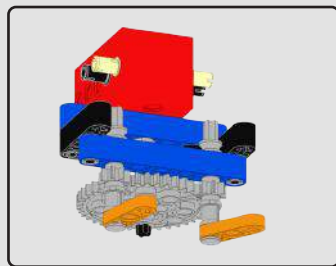
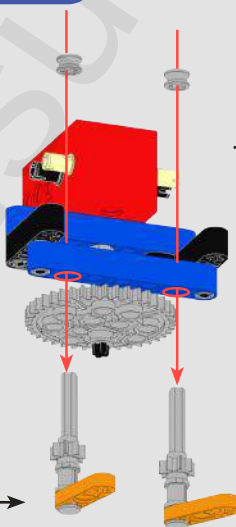
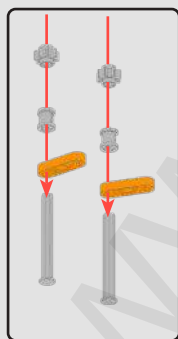
1:1

6H Náprava



7

Pohled zepředu vlevo dole

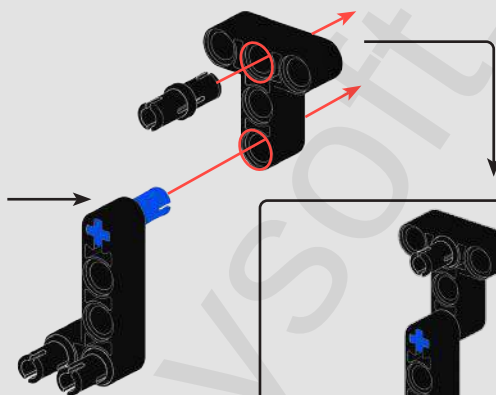
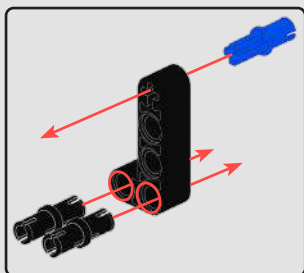


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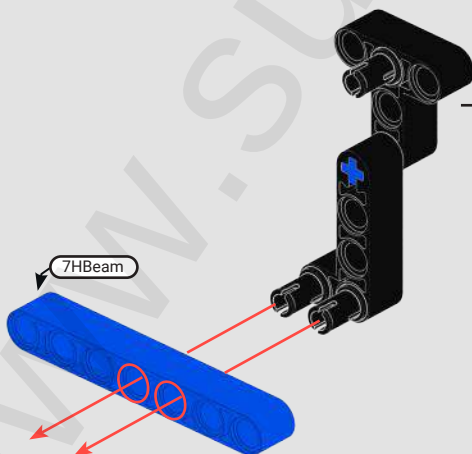
1:1



Pin střední nápravy modrý



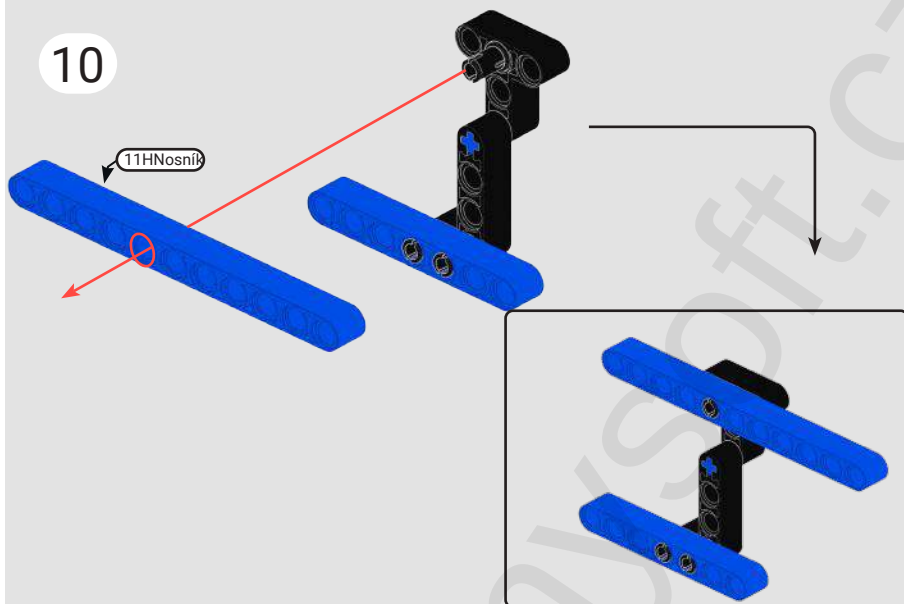
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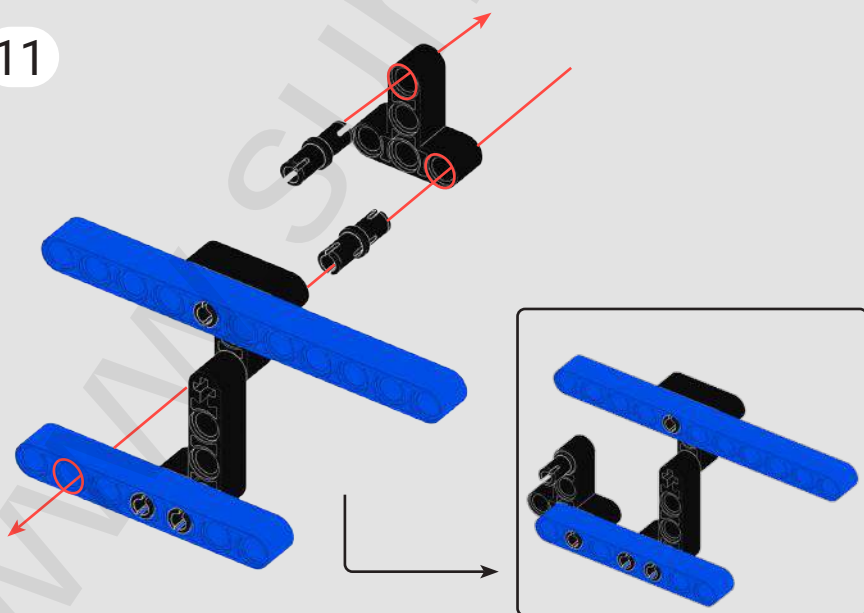
7HBeam



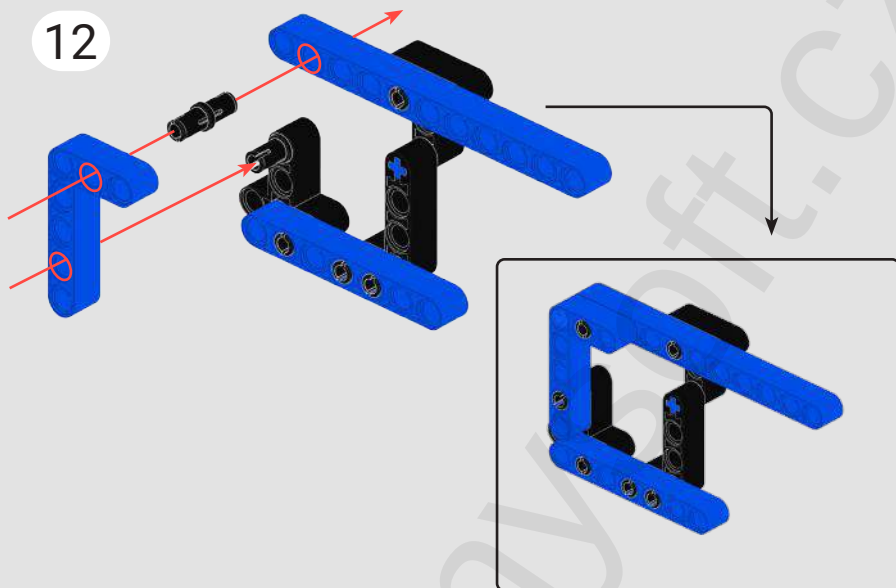
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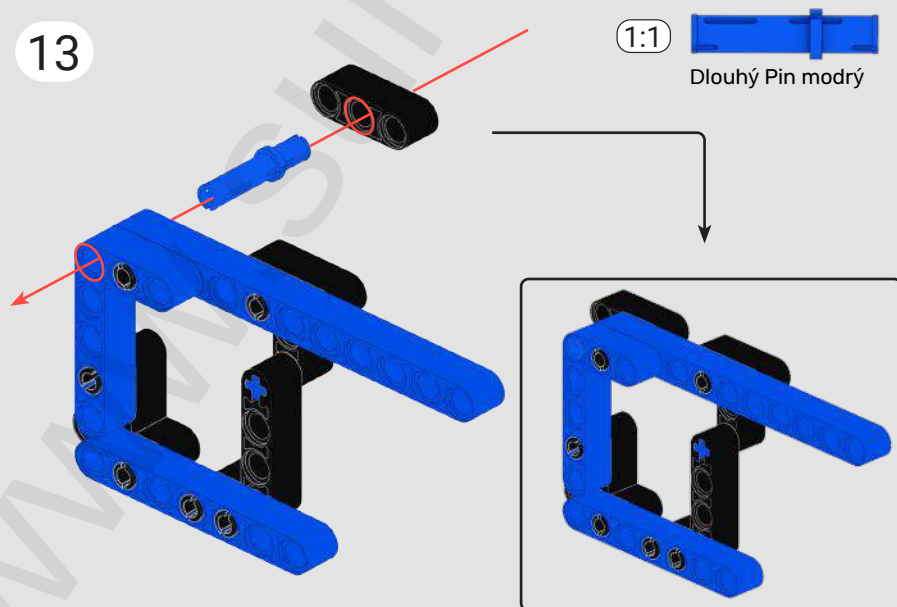
11



12



13



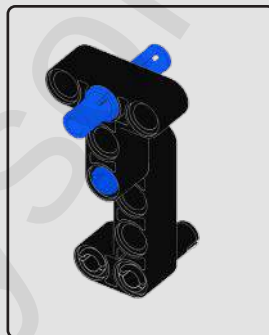
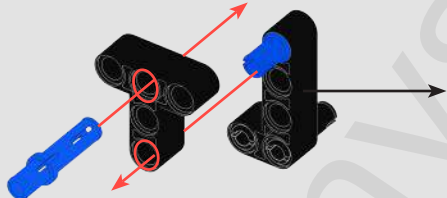
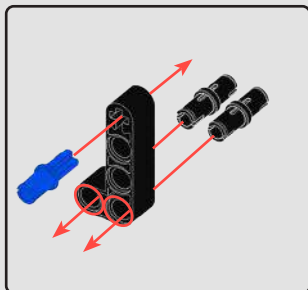
14

Udělejme druhou stranu

1:1

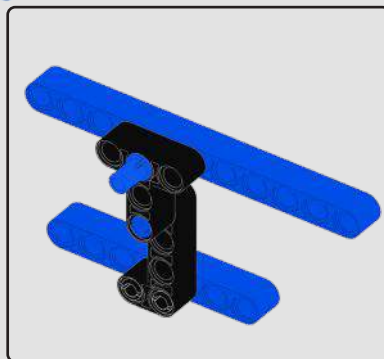
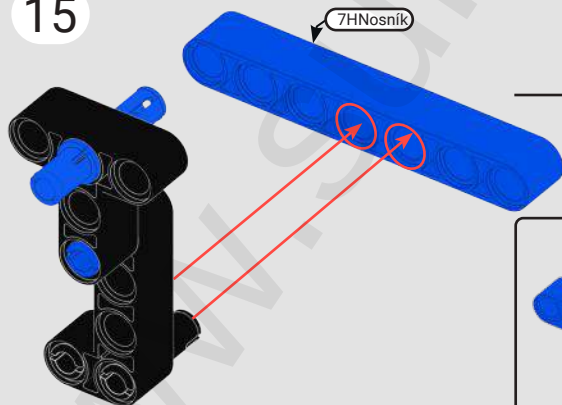


Pin střední nápravy modrý

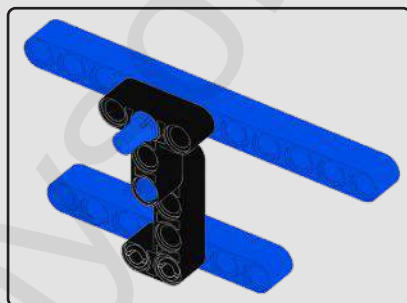
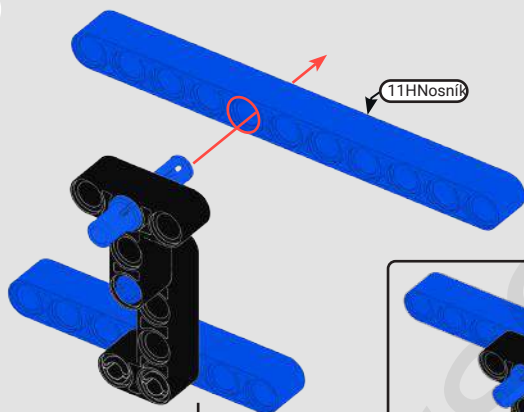


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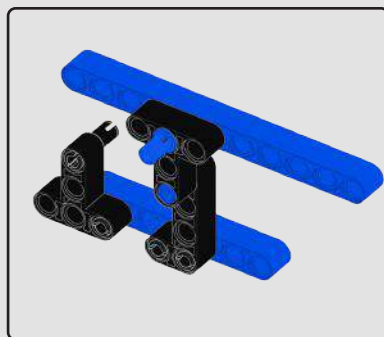
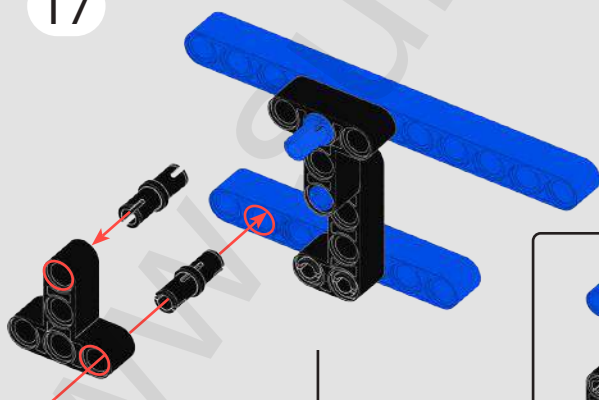
7HNosník



16



17

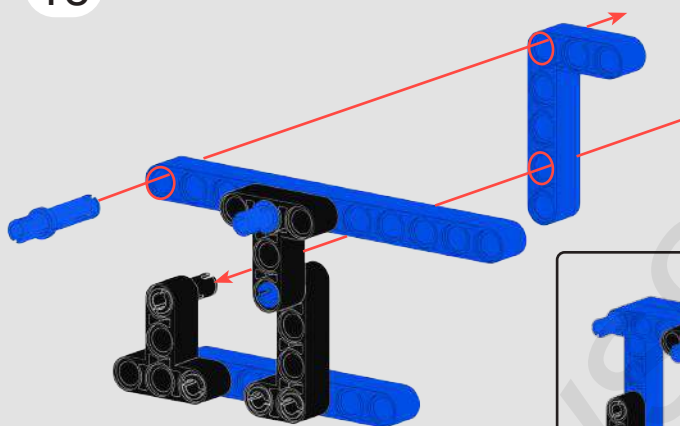


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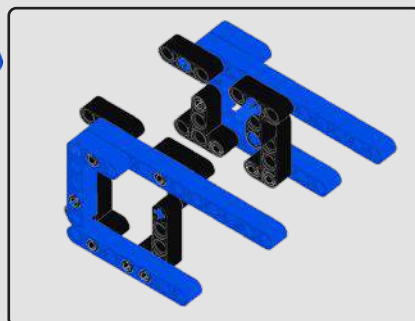
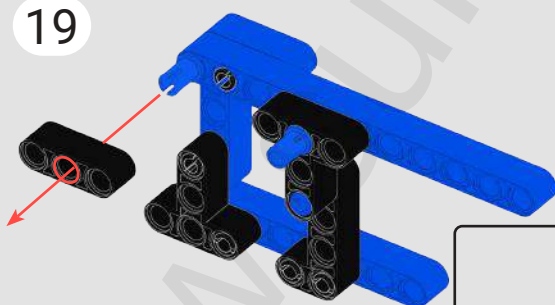
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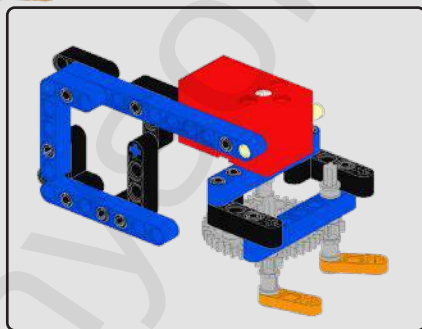
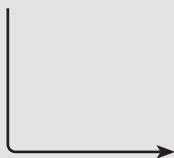
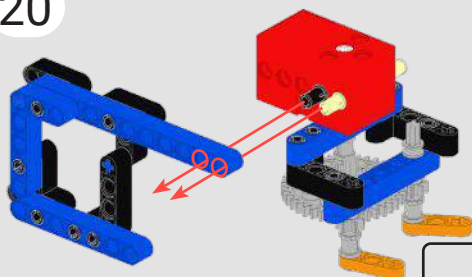
Dlouhý pin modrý



19

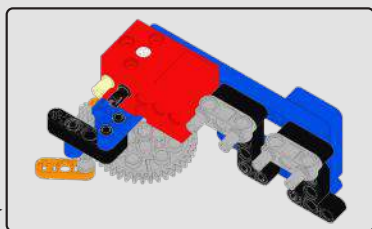
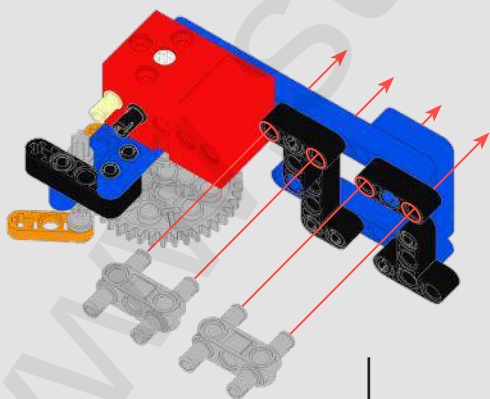


20



21

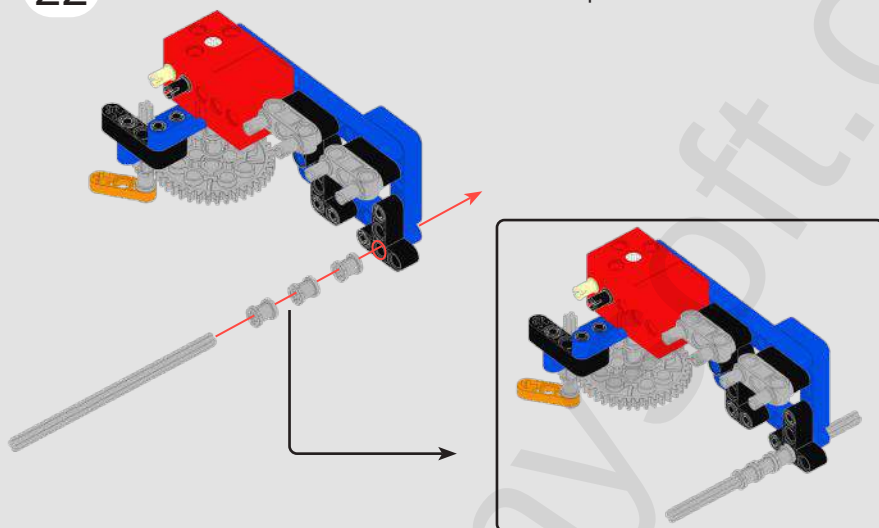
↻ Pohled shora zezadu vpravo



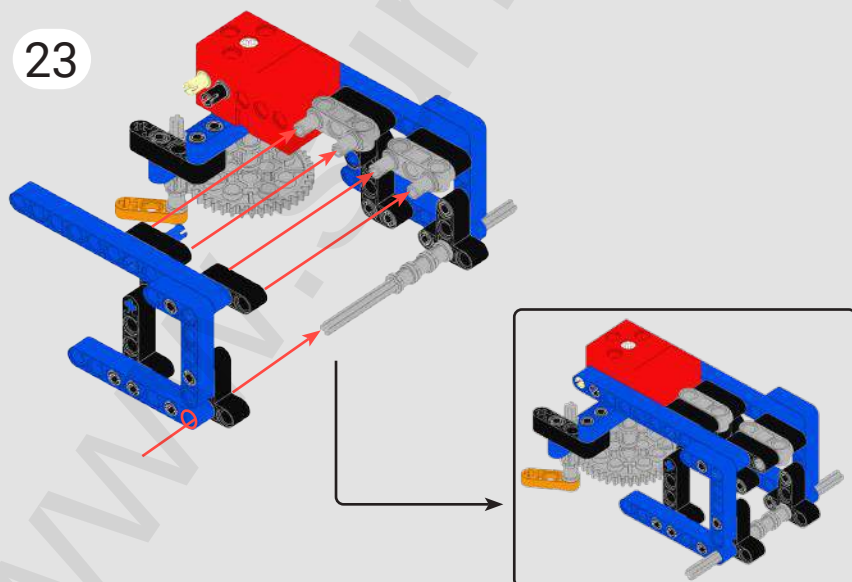
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1:1

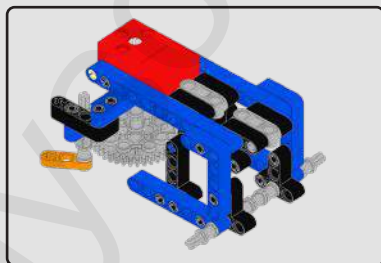
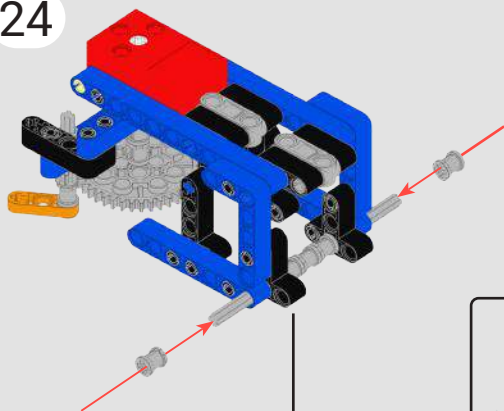
11H Náprava



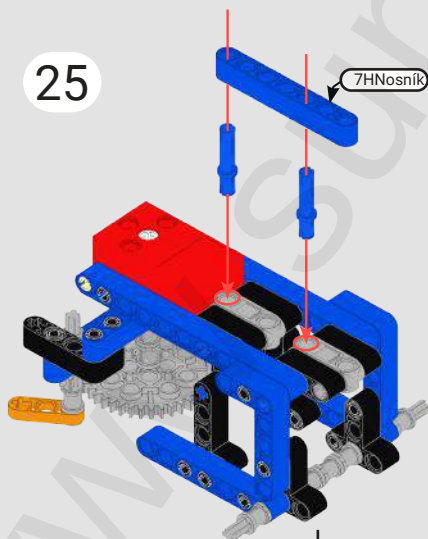
23



24



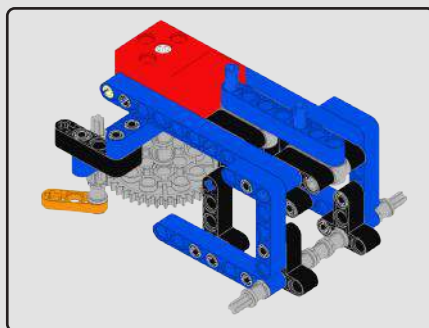
25



1:1



Dlouhý Pin modrý

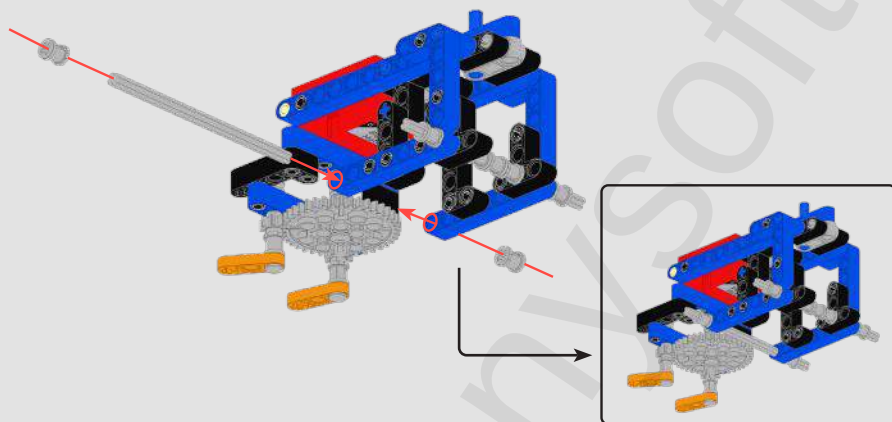


26

Pohled zezadu vpravo dole

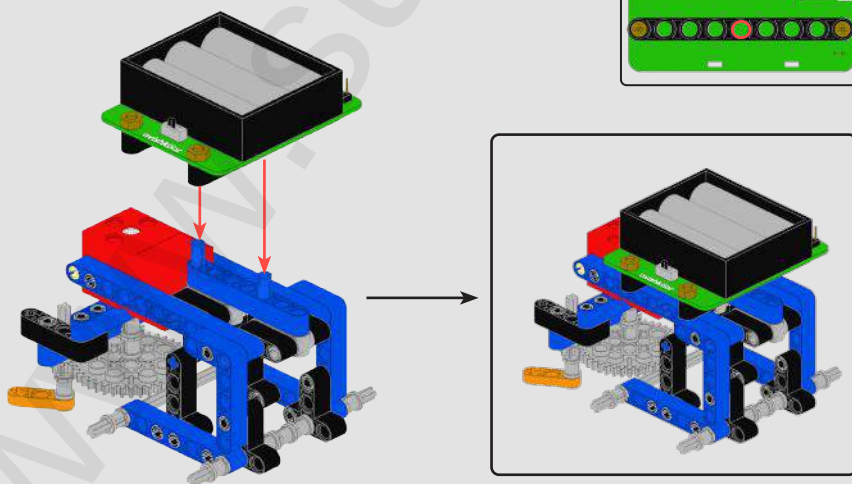
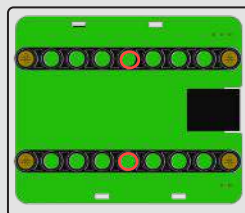
1:1

11H Náprava

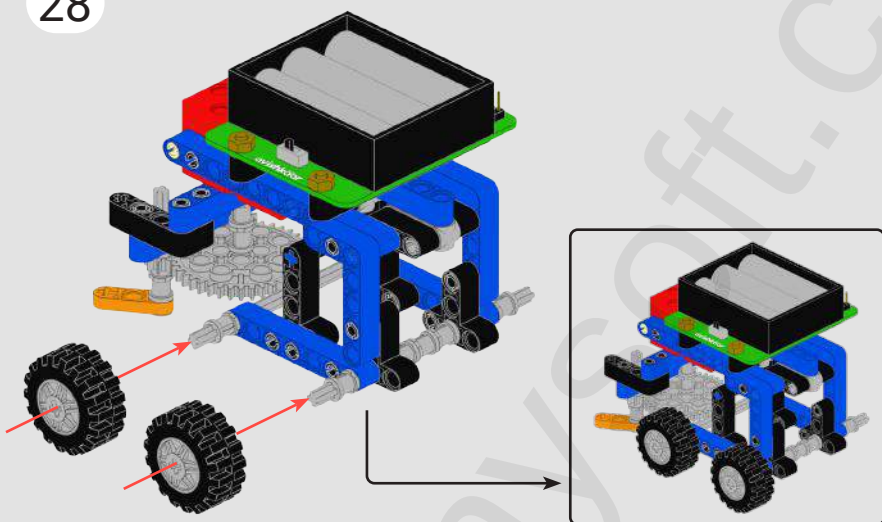


27

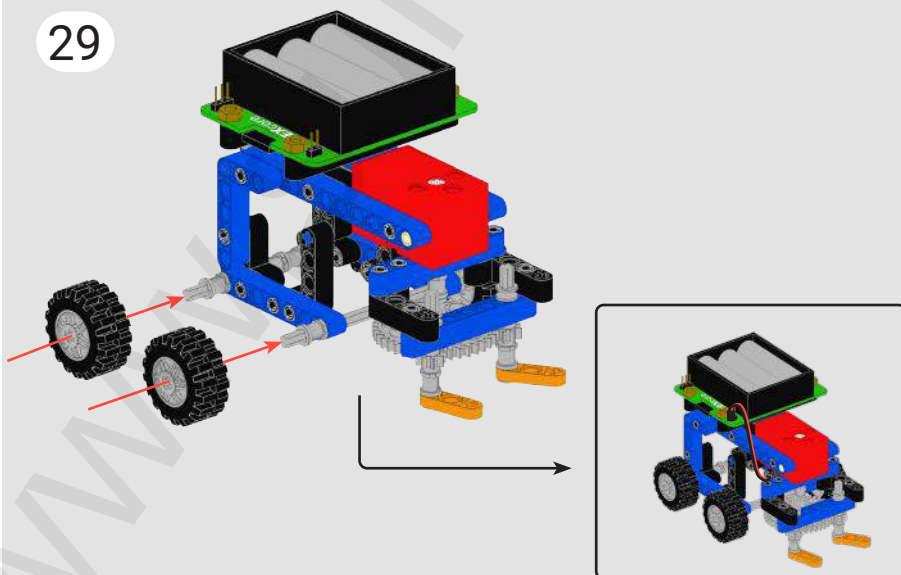
Pohled shora zezadu vpravo



28



29



Gratulujeme k dokončení tohoto projektu!

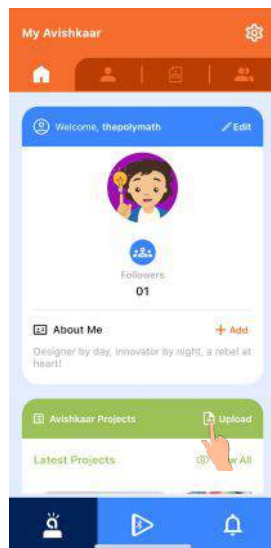
Baví vás hrát si s tím pomocí mobilní aplikace avishkaar?
Přejděte na stranu 8 s podrobnými pokyny, jak stáhnout aplikaci a ovládat pomocí ní robota.



Sdílejte svůj výtvor se světem a vyhrajte odznak „Scratch the Surface“ úrovně 2

Nahrajte fotografie nebo videa svého projektu pomocí projektové sekce aplikace Avishkaar a vyhrajte odznak „Scratch the Surface“ úrovně 2.

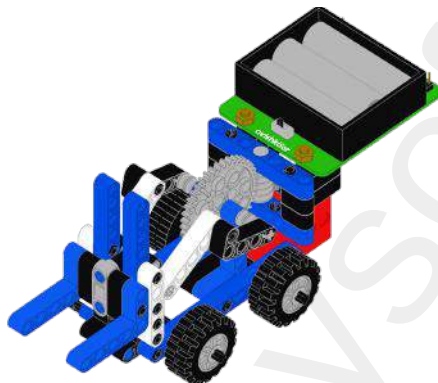
Podívejte se na všechny své nasbírané odznaky v sekci úspěchů vašeho profilu na www.avishkaar.cc. Prozkoumejte všechny ostatní odznaky, které chcete sbírat, a vyhrajte je všechny!



Projekt 4:

Vysokozdvížený vozík

Pojďme stavět!



Věci, které potřebujeme



11H
Nosník
x 2



7H
Nosník
x 4



5H
Nosník
x 4



3H
Nosník
x 7



7H
L-Nosník
x 4



1Cx4H
L-Nosník
x 6



5HT
Nosník
x 2



Čelní
ozubené kolo
40T x 1



Šneková
převodovka -
velká x 1



3Hx4Pin
Konektor
x 2



Náplň
nápravy-velká
x 4



Náplň
nápravy -
malá
x 4



5H Zakrytá
náprava
x 1



7H
Náprava
x 1



10H
Náprava
x 2



Krátký
pin-žlutý
x 2



Střední
pin-černý
x 22



Středně
Pin
šedý
x 2



Dlouhá
pin-modrá
x 11



Pin střední
nápravy-modrý
x 2



Kolo
x 4



Avishkaar
MEXCore
x 1



MEX velký
DC
motor
x 1

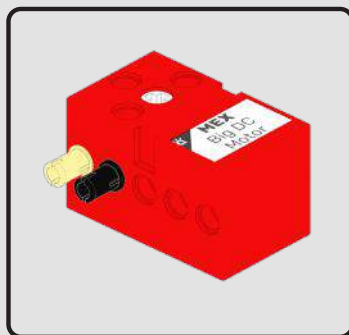
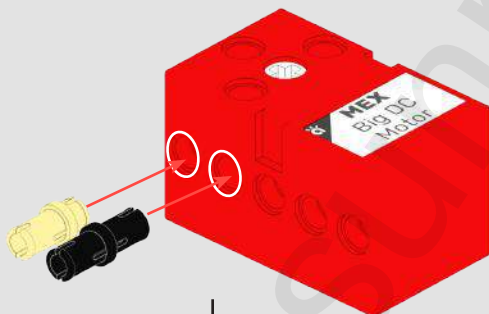
Krok

1

1:1



Krátký Pin žlutý

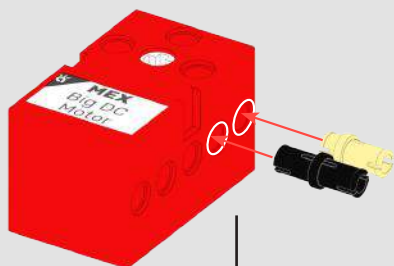


2

1:1

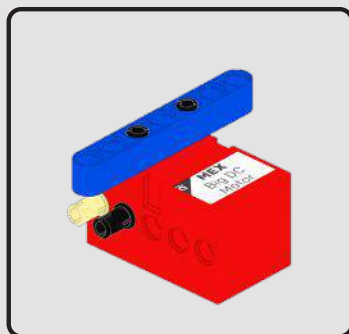
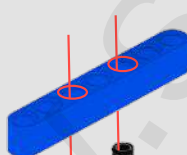


Krátký Pin žlutý

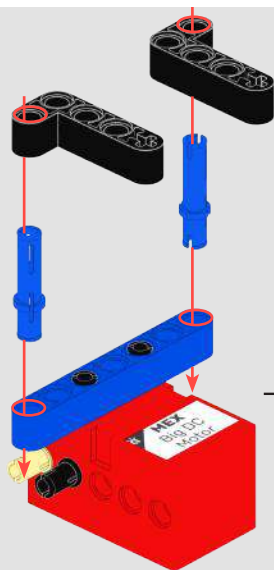


3

7HNosník



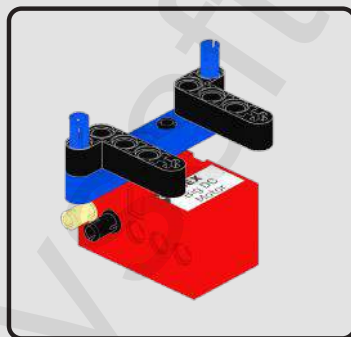
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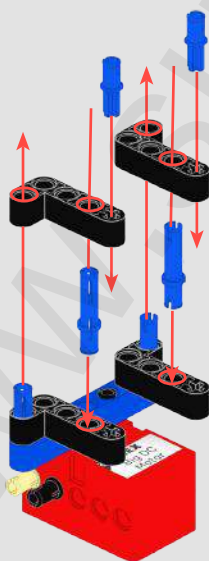
1:1



Dlouhý pin modrý



5



1:1

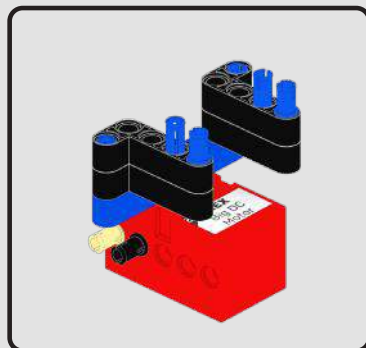


Dlouhý pin modrý

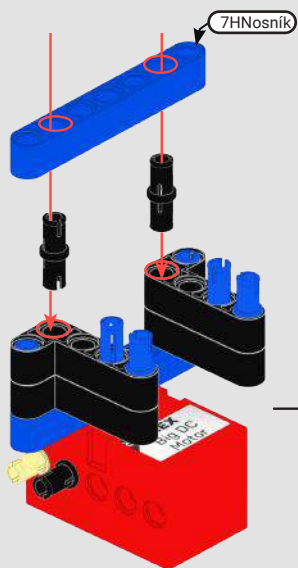
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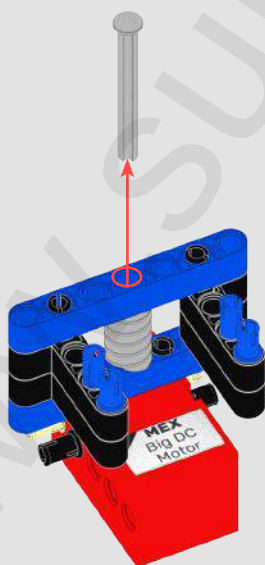
Pin střední nápravy
Modrý



6



7

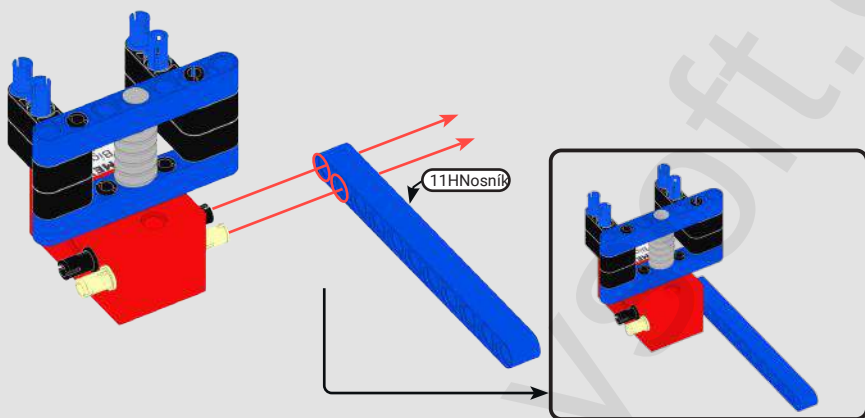


1:1



5H zakrytá náprava

8

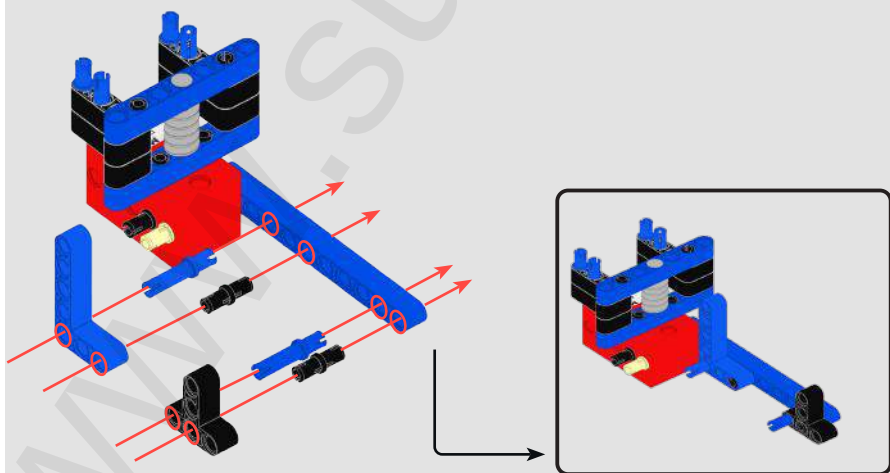


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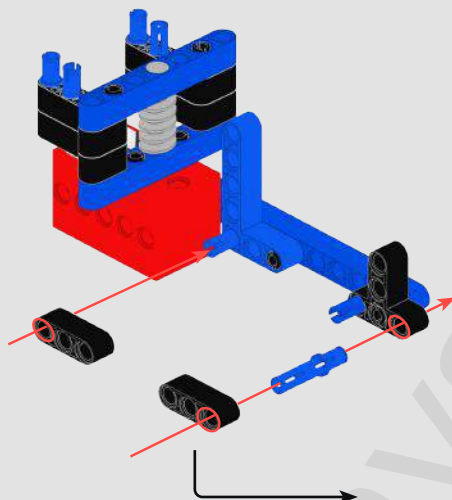
1:1



Dlouhý pin modrý



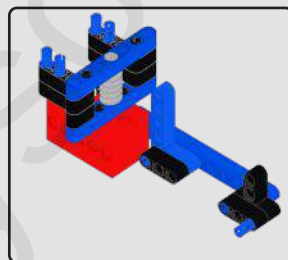
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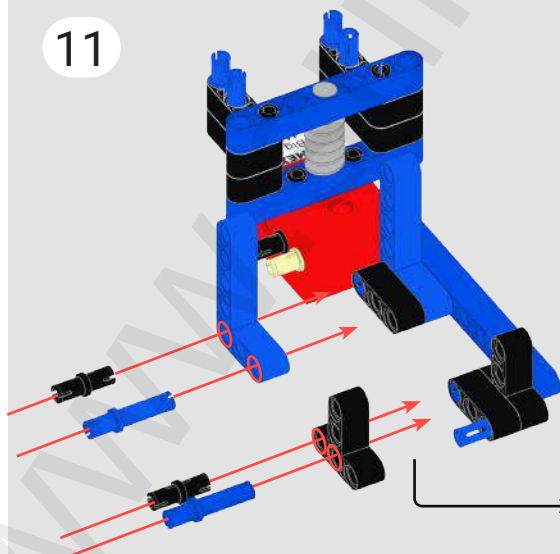
1:1



Dlouhý pin modrý



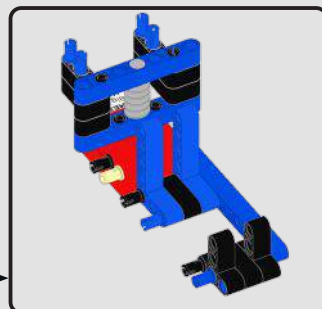
11



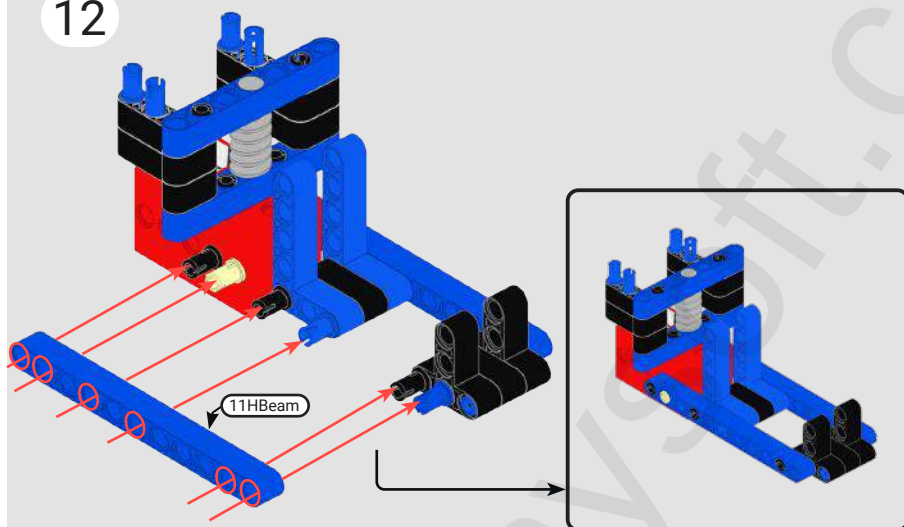
1:1



Dlouhý pin modrý



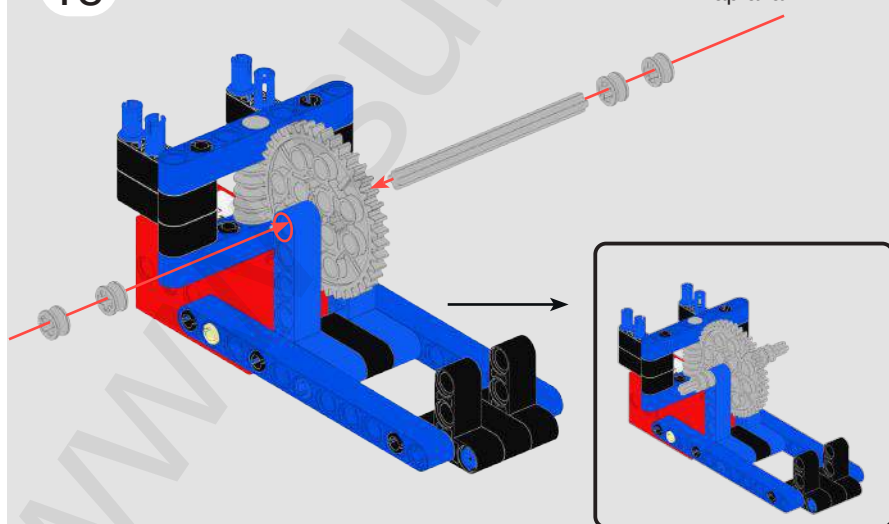
12



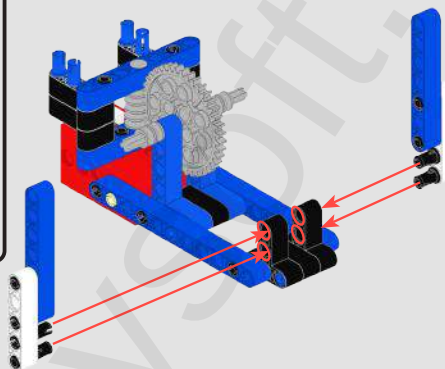
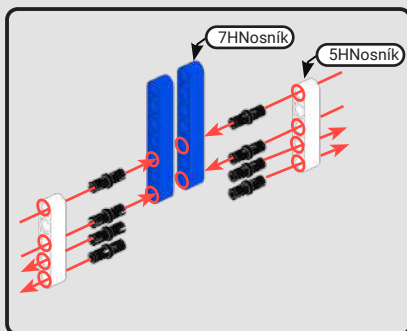
13

(1:1)

7H Náprava



14

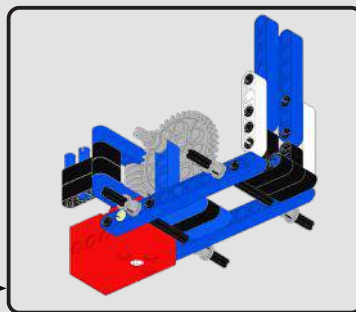
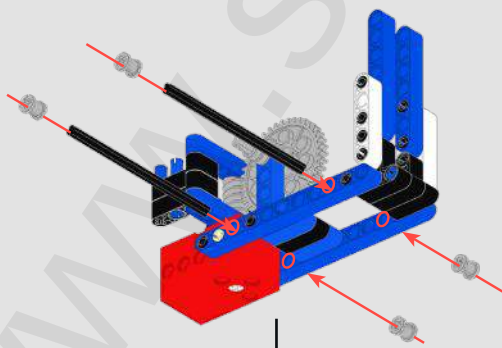


15

Pohled zepředu vlevo dole

1:1

10H Náprava

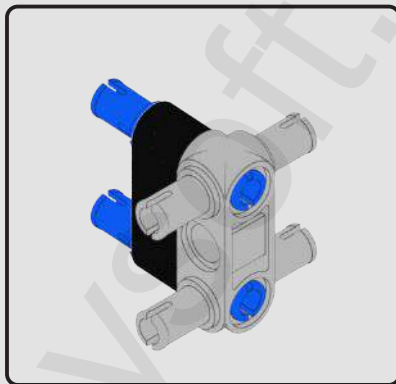
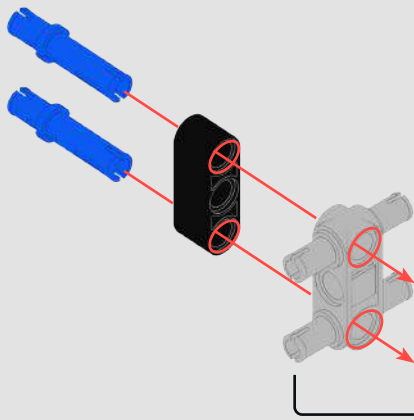


16

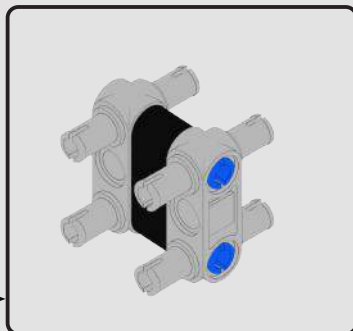
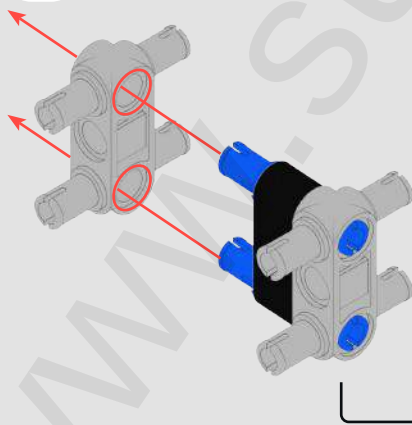
1:1



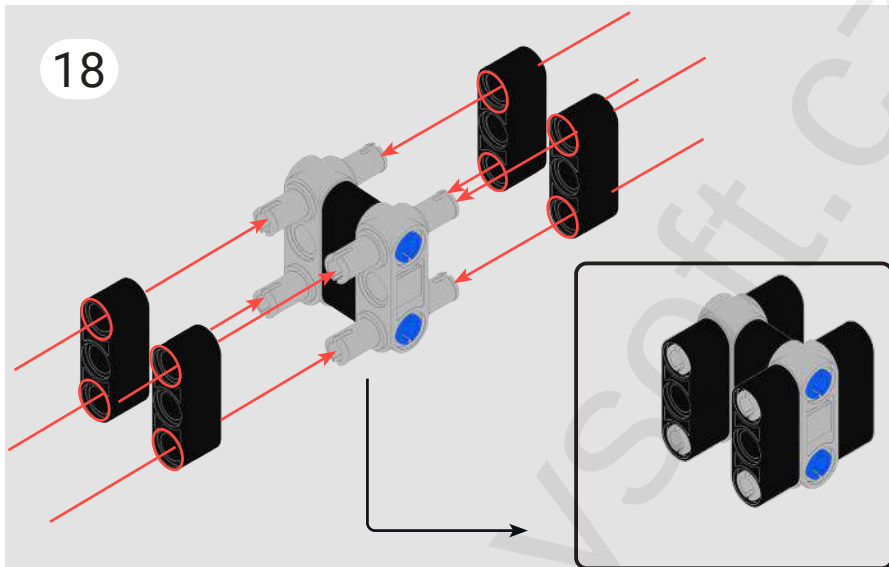
Dlouhý pin modrý



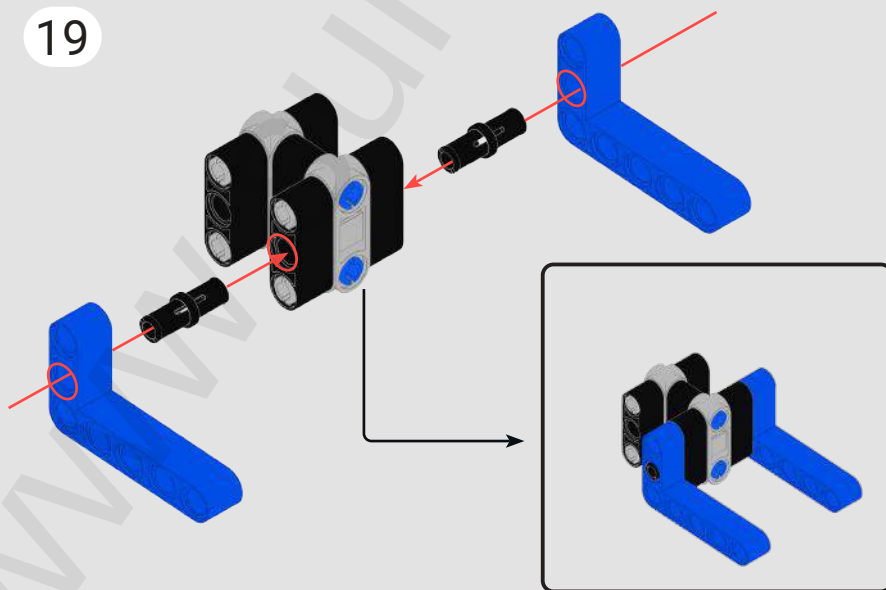
17



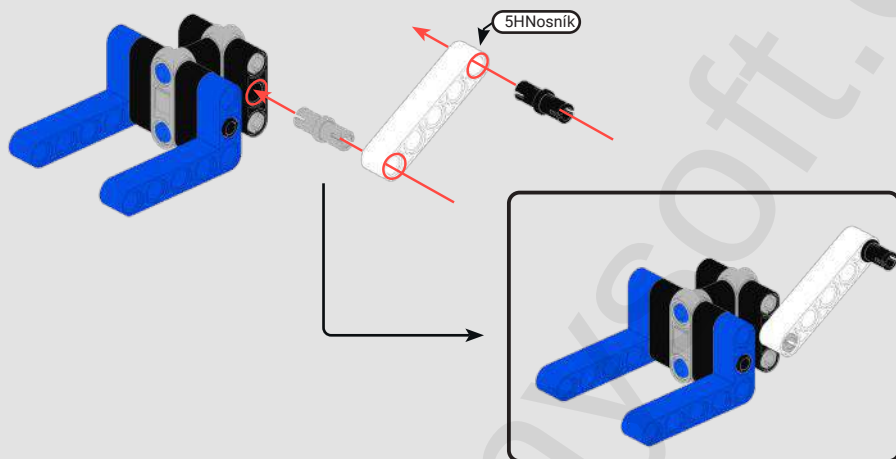
18



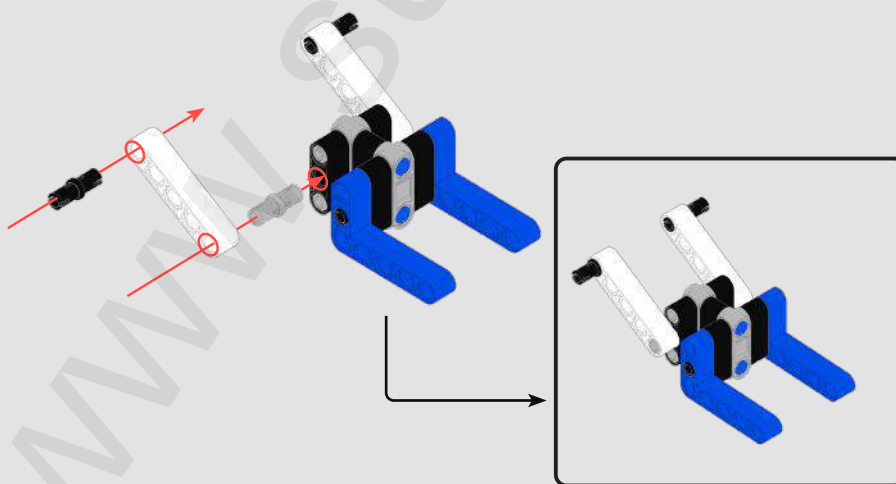
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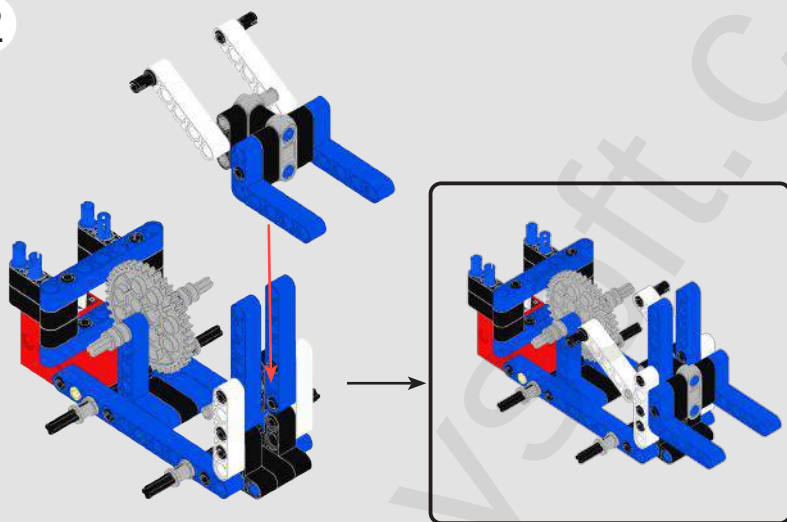
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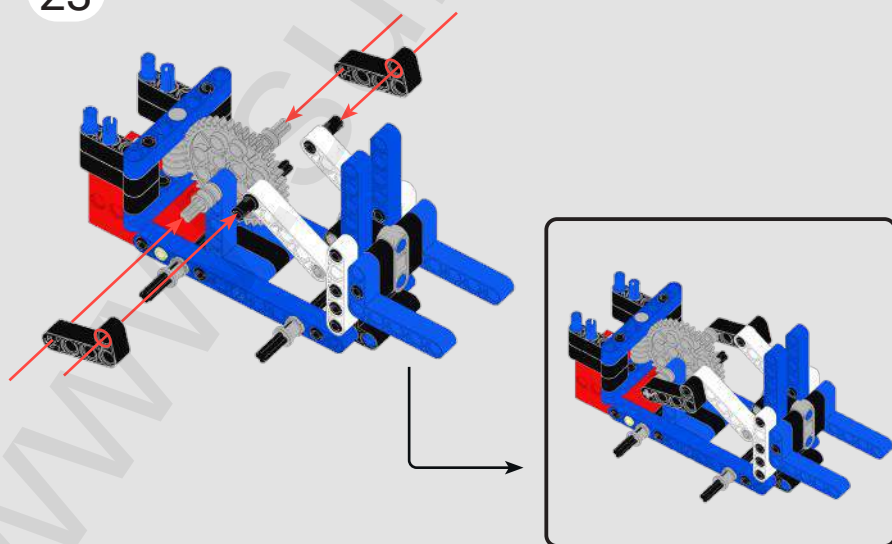
21



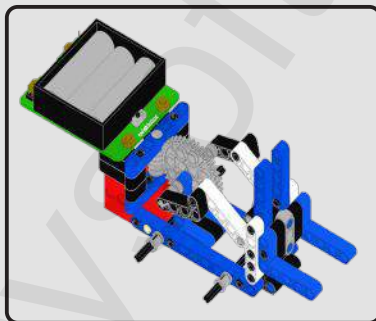
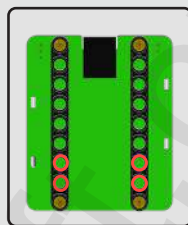
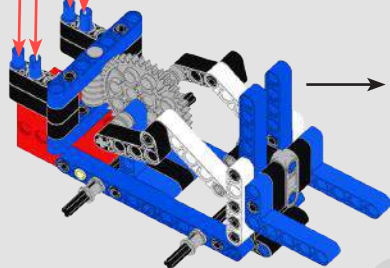
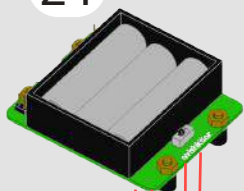
22



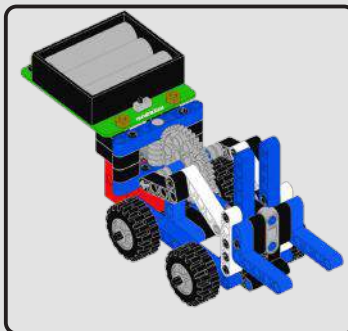
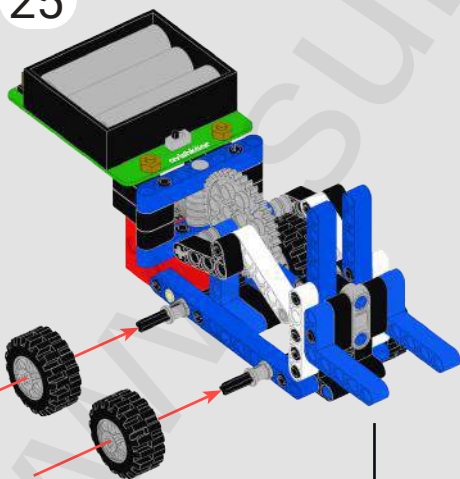
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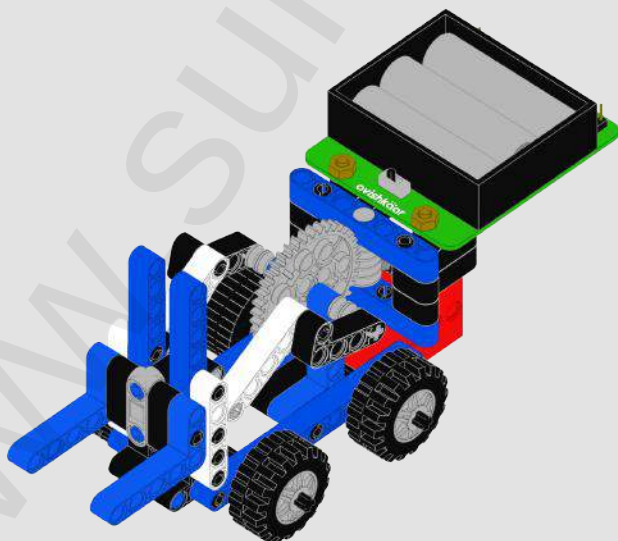
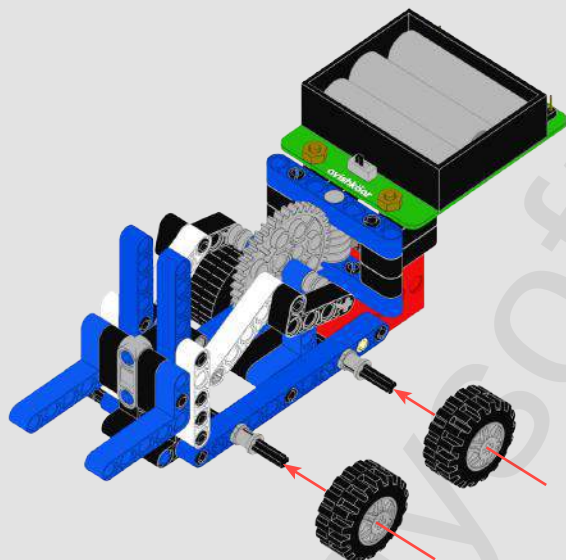
24



25



26



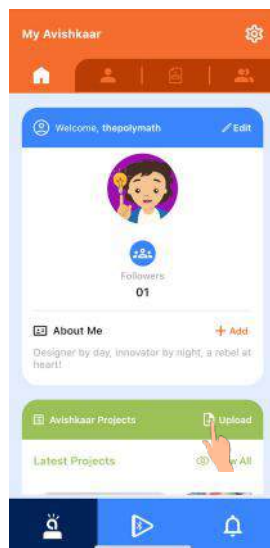
Gratulujeme k dokončení tohoto projektu!

Baví vás hrát si s tím pomocí mobilní aplikace avishkaar?
Přejděte na stránku 8 s podrobnými pokyny, jak stáhnout aplikaci a ovládat pomocí ní robota.



Sdílejte svůj výtvar se světem a vyhrajte odznak , Scratch the Surface' úrovně 3

Nahrajte fotografie nebo videa svého projektu pomocí projektové sekce aplikace Avishkaar, abyste mohli získat odznak „Scratch the Surface“ úrovně 3
Prohlédněte si všechny své nasbírané odznaky v sekci úspěchů vašeho profilu na www.avishkaar.cc. Prozkoumejte všechny ostatní odznaky, které chcete sbírat, a vyhrajte je všechny!



Project 5: Dobby Robot

Pojďme stavět!



Věci, které potřebujeme



9H Nosník
x 6



5H Nosník x 4



3H Nosník
x 4



7H
L-Nosník
x 4



1Cx4H
L-Nosník
x 4



5HT
Nosník
x 2



1Cx1H
Nosník
x 2



2Cx1
Tenký-Nosník
x 1



3Hx4Pin
Konektor
x 2



Náplň
nápravy -
malá
x 2



3H Náprava
x 2



Krátký
Pin-žlutý
x 1



Dlouhý
pin-modrý
x 10



Střední pin
černý
x 18



Pin střední
nápravy-modrý
x 4



Středně Pin
šedý
x 4



Avishkaar
MEXCore
x 1



MEX velký
DC
motor
1 x

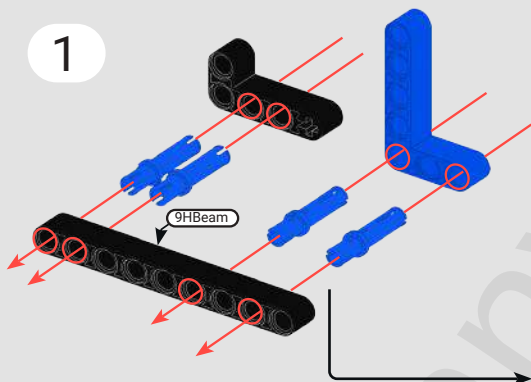


Dlouhý
pin-žlutý
x 2



3Cx2H
Tenký -D
x 2

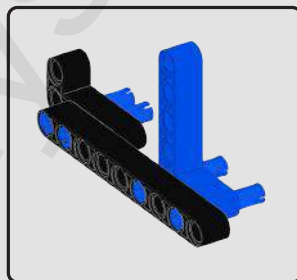
1



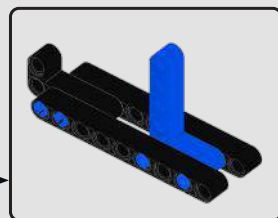
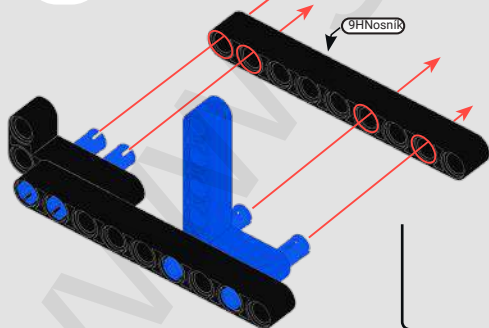
1:1



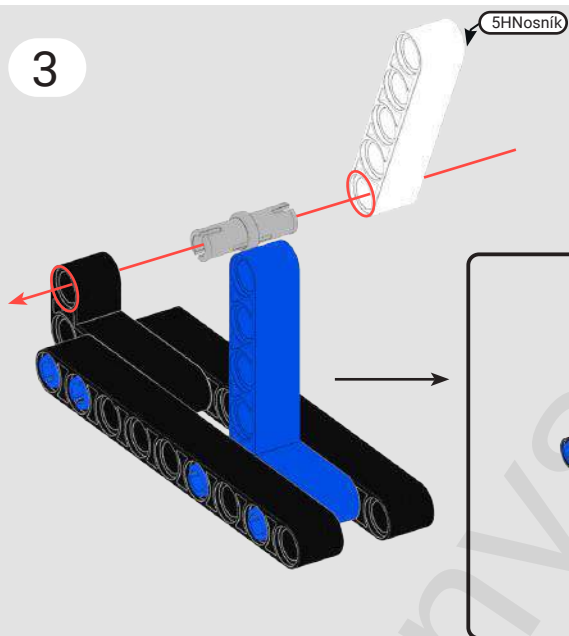
Dlouhýpin-modrý



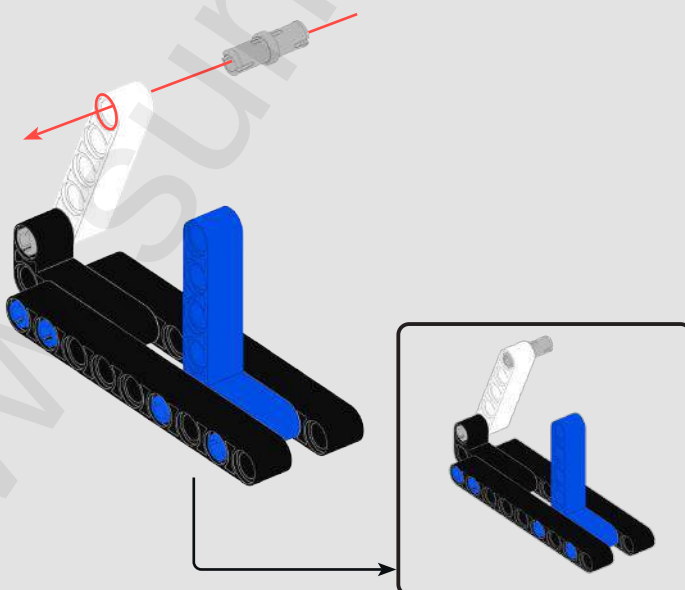
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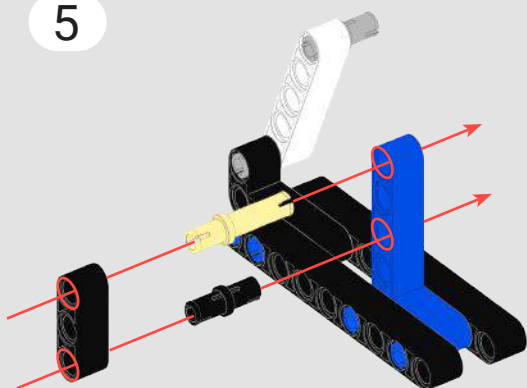
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4



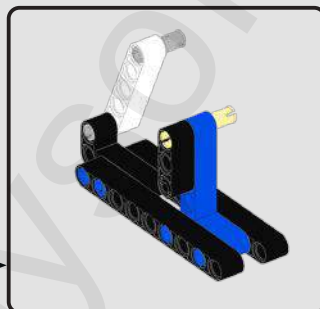
5



1:1

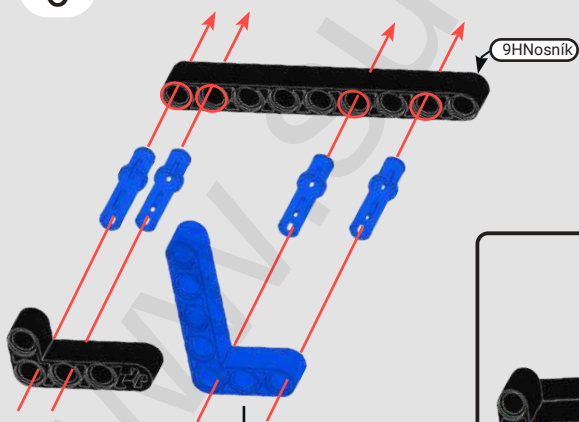


Dlouhý pin-žlutý



6

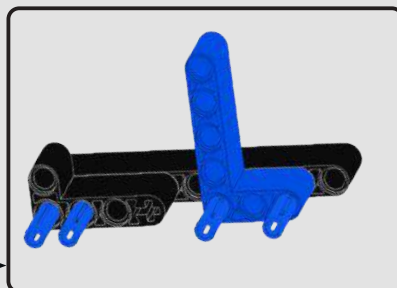
Udělejme zrcadlovou stranu.



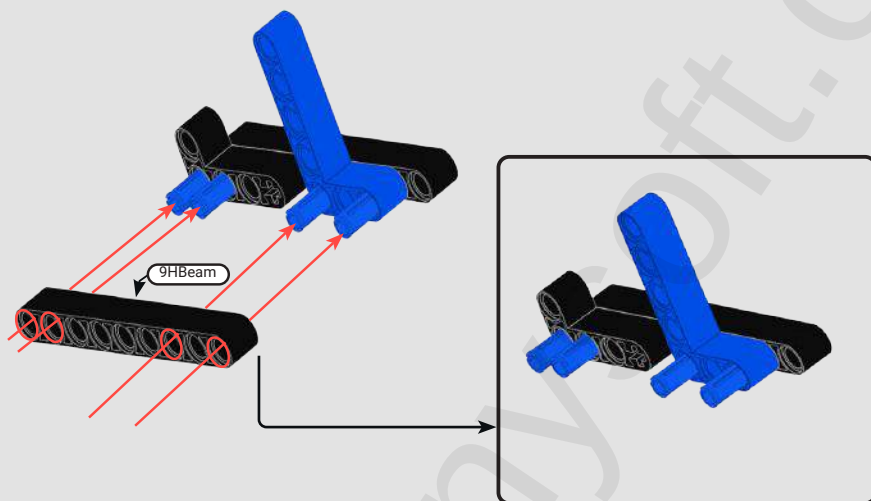
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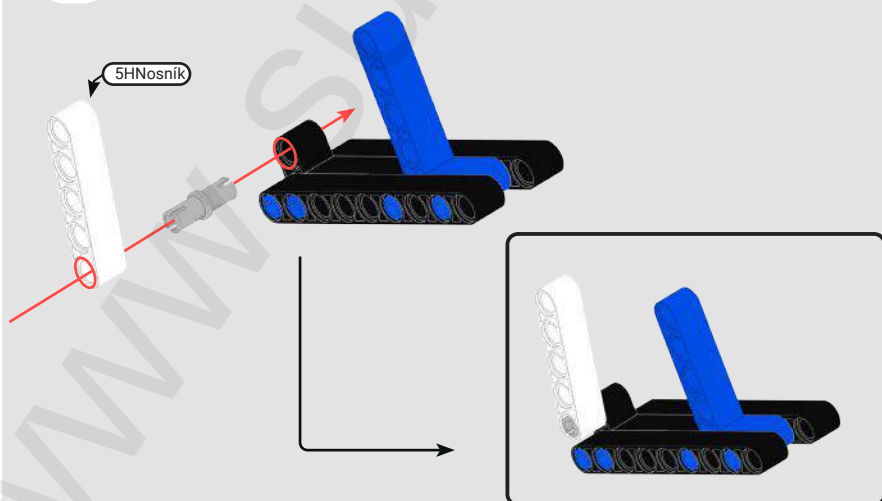
Dlouhý pin-modrý



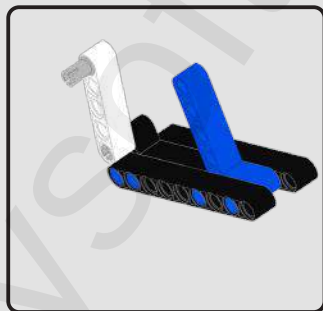
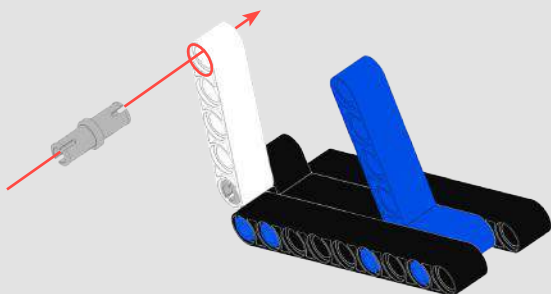
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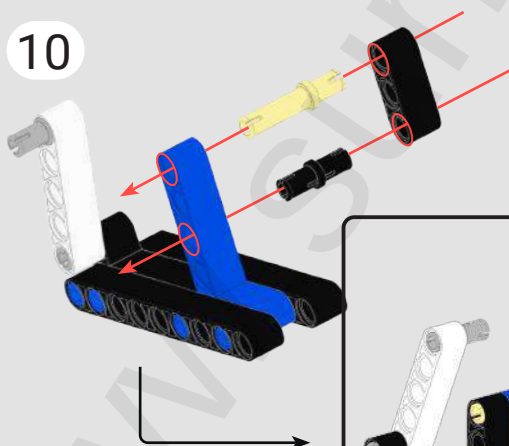
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9



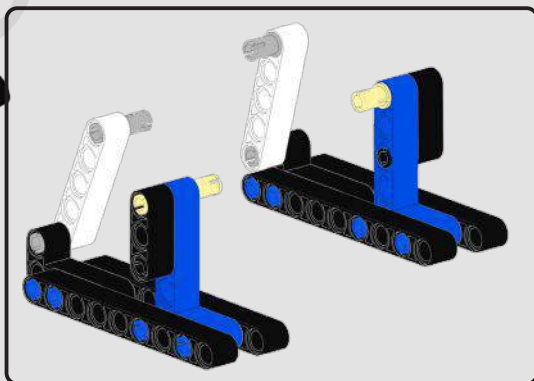
10



(1:1)



Dlouhý pin žlutý

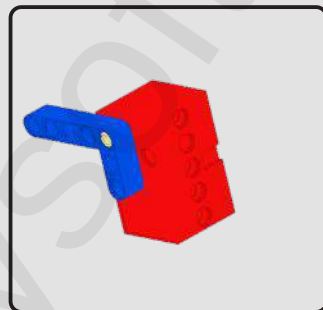
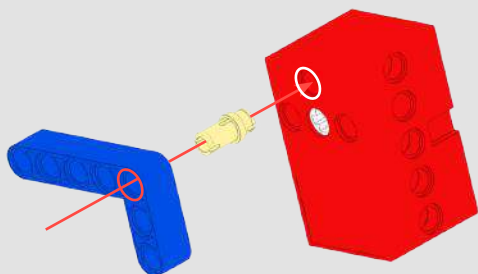


11

1:1



Krátký pin žlutý

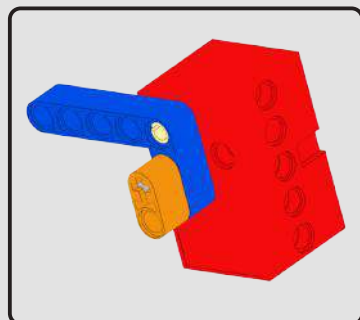
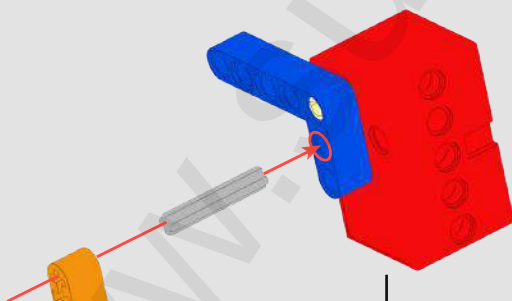


12

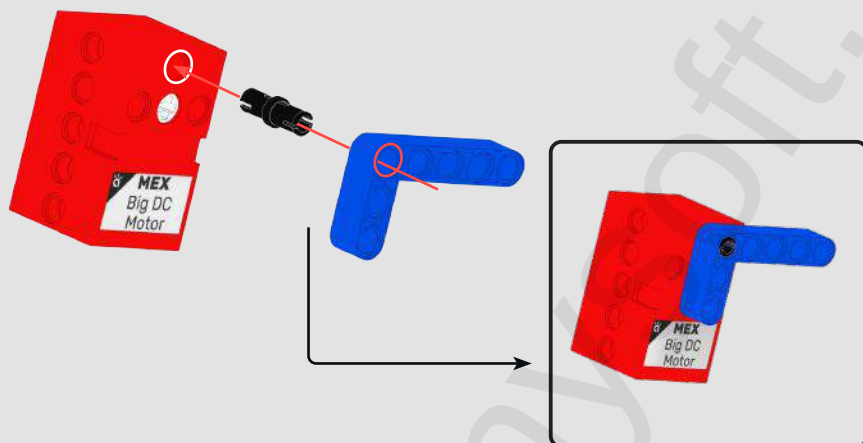
1:1



3H Náprava

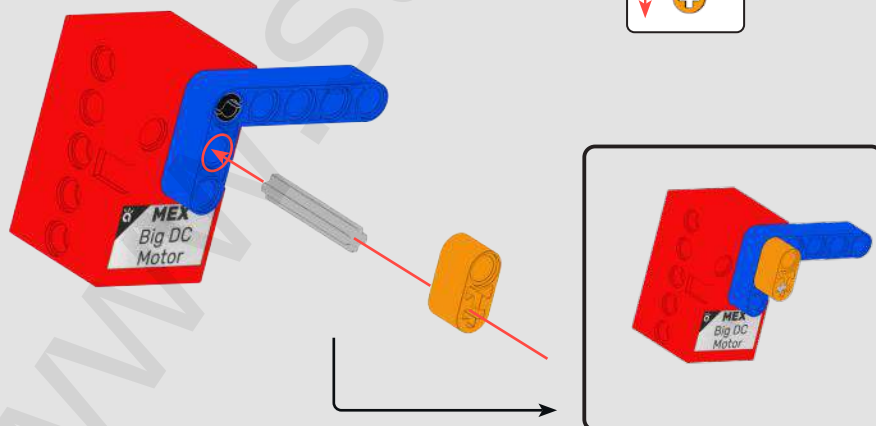


13

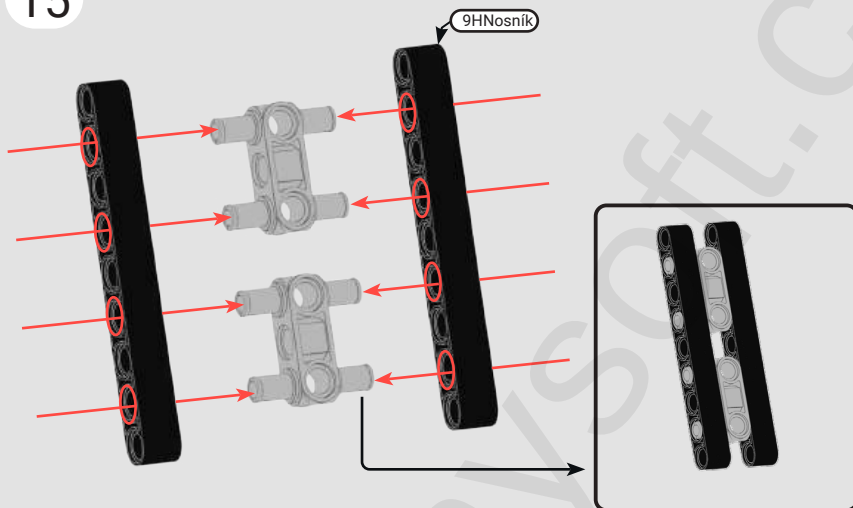


14

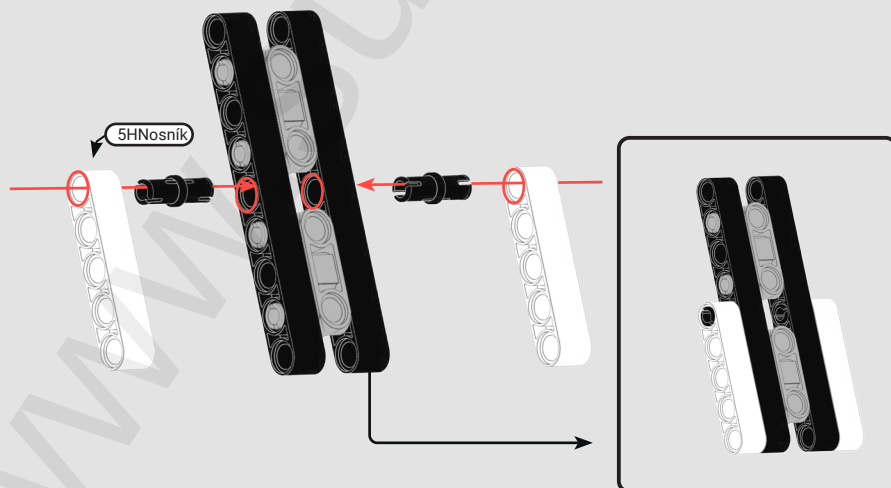
1:1 3H Náprava



15



16

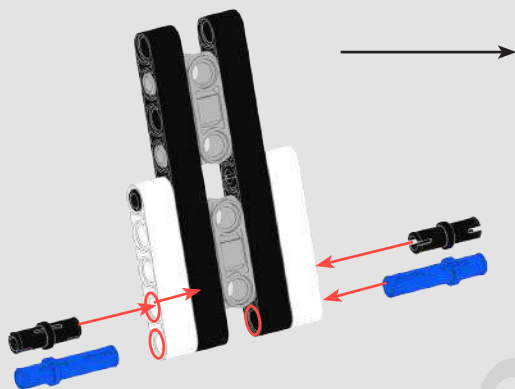


17

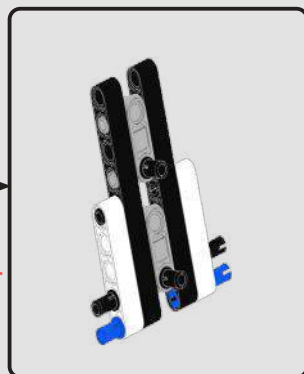
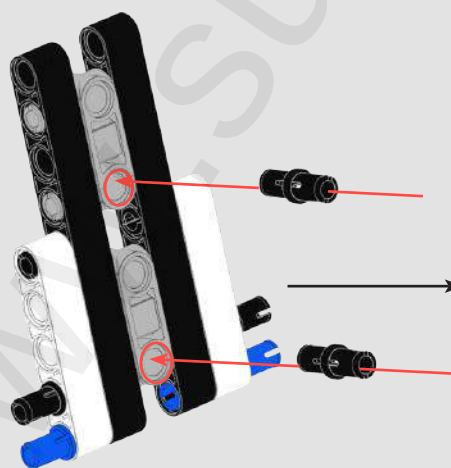
1:1



Dlouhý pin modrý



18

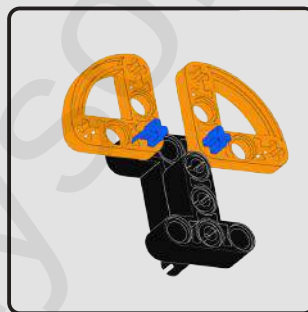
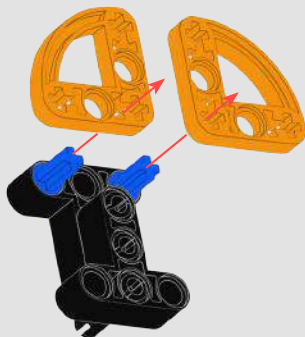
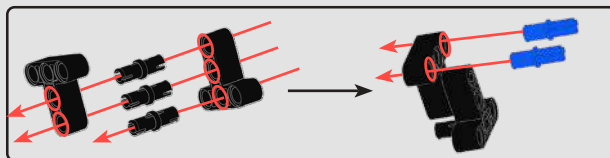


19

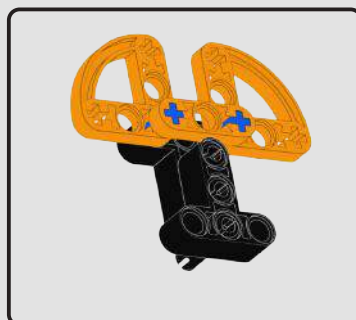
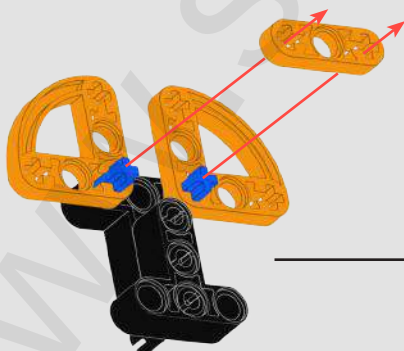
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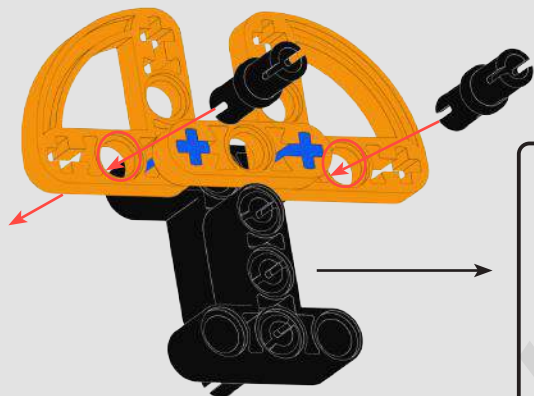
Pin střední nápravy
modrý



20



22

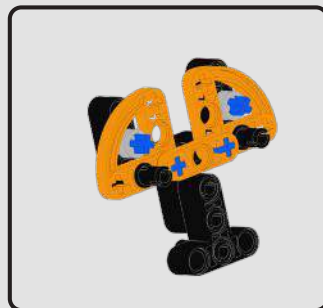
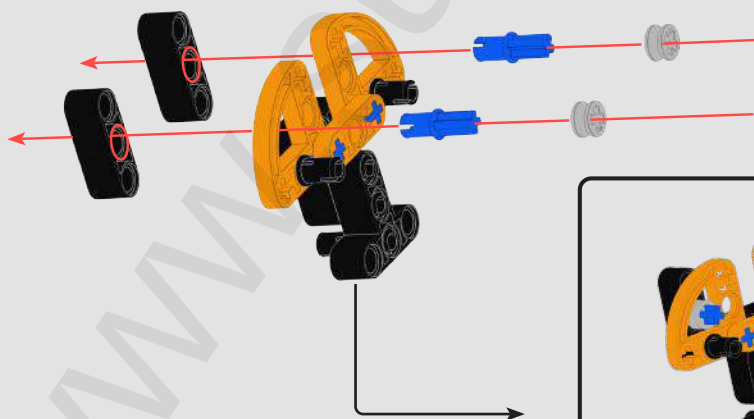


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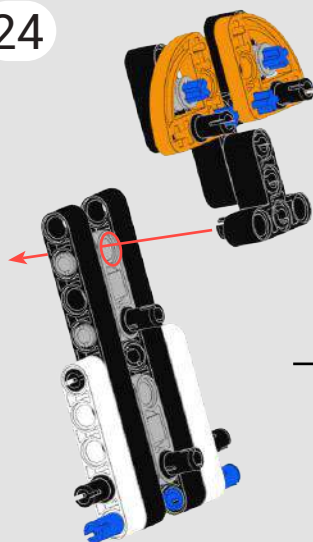
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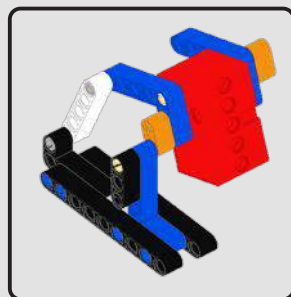
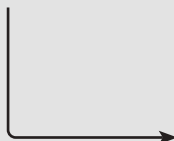
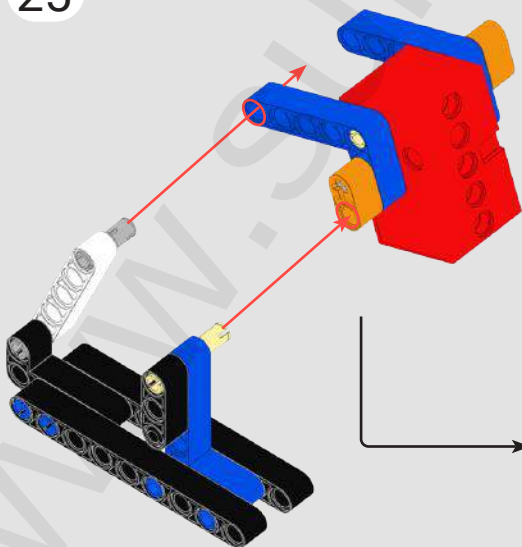
Pin střední nápravy modrý



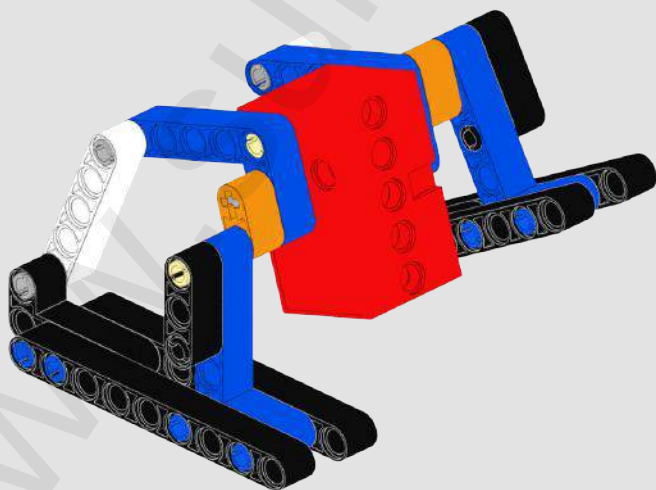
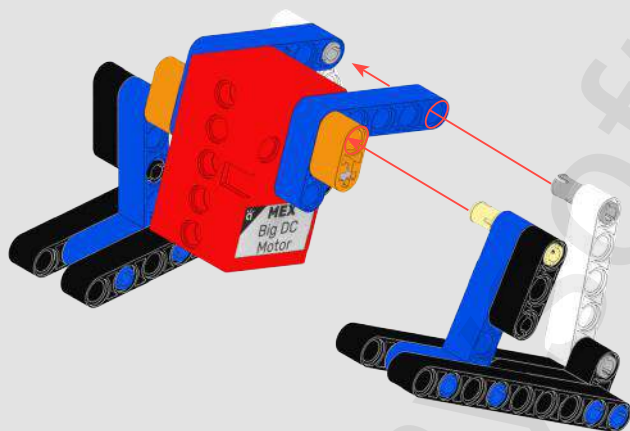
24



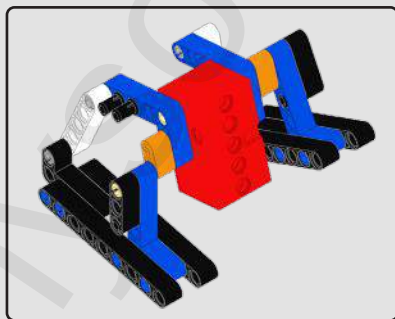
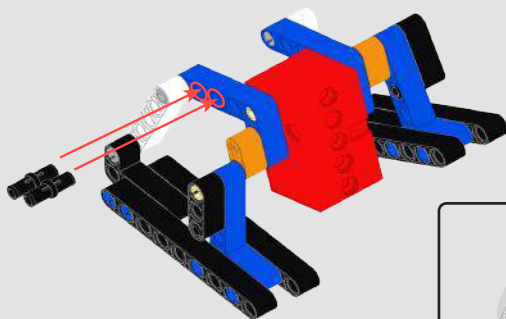
25



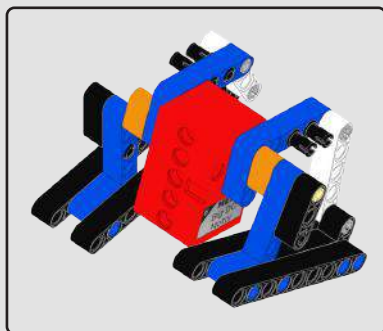
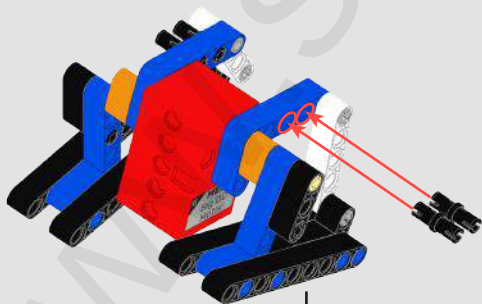
26



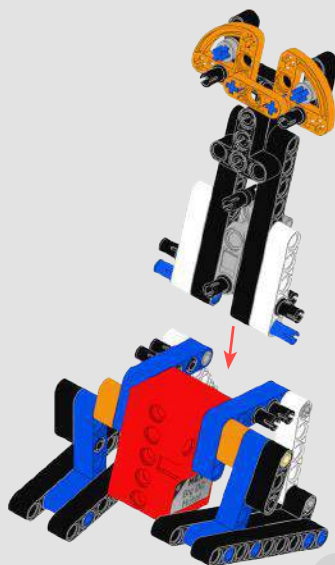
27



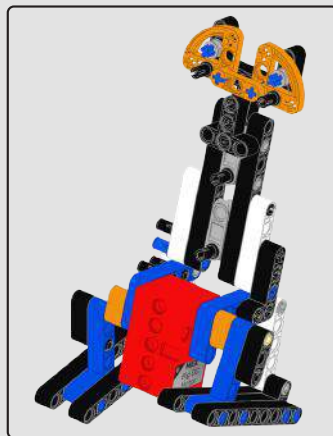
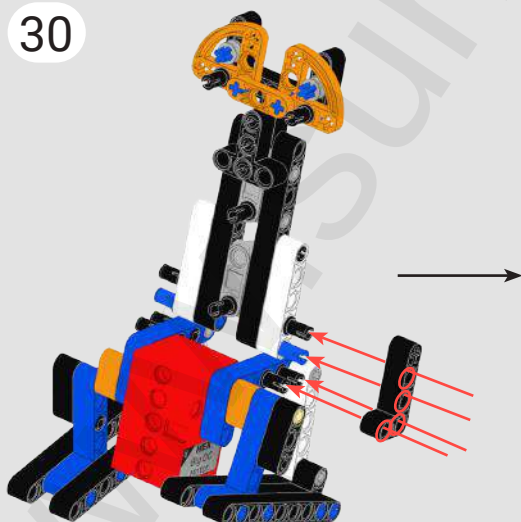
28



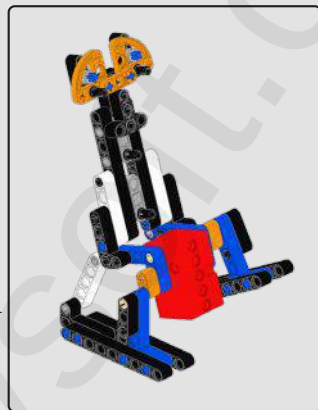
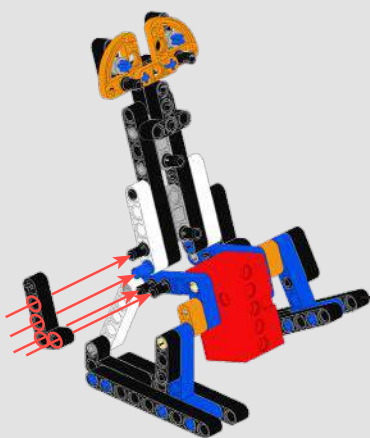
29



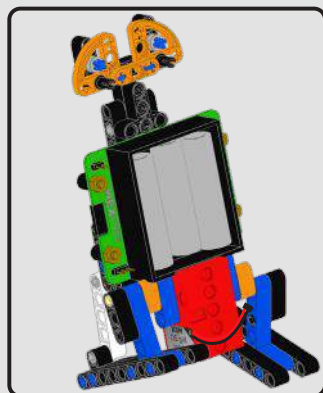
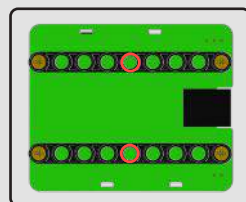
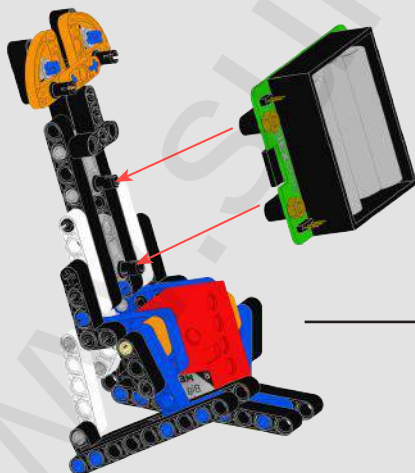
30



31



32



Gratulujeme k dokončení tohoto projektu!

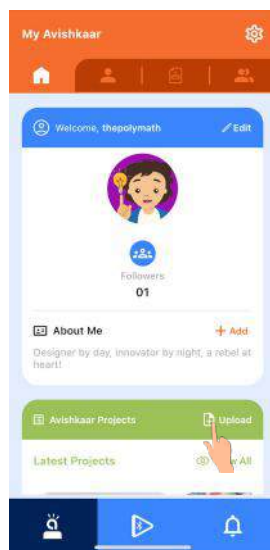
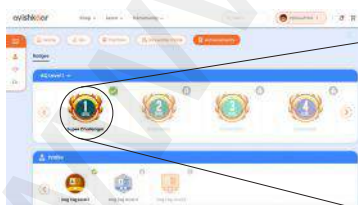
Baví vás hrát si s tím pomocí mobilní aplikace avishkaar?
Přejděte na stránku 8 s podrobnými pokyny, jak stáhnout aplikaci a ovládat pomocí ní robota.



Sdílejte svůj výtvar se světem a vyhrajte , "Scratch the Surface" úrovně 3

Nahrajte fotografie nebo videa svého projektu pomocí projektové sekce aplikace Avishkaar a vyhrajte odznak , Scratch the Surface' úrovně 3.

Podívejte se na všechny své nasbírané odznaky v sekci úspěchů vašeho profilu na www.avishkaar.cc. Prozkoumejte všechny ostatní odznaky, které chcete sbírat, a vyhrajte je všechny!



Čelíte problému?

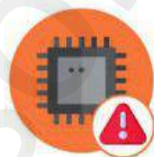
Naše technická podpora je k dispozici, aby vám pomohla v těchto časech – pondělí až sobota: 9:00 až 20:00 Neděle a 3. sobota: od 9 do 18 hodin



Problémy se
softwarem



Problémy s
použitelností



Problémy s
hardwarem

Kontaktujte podporu naskenováním QR kódu.



support@avishkaar

+91-8506931515

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Sunnysoft s.r.o.
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190 00 Praha 9
Česká republika
www.sunnysoft.cz

avishkaar

+91 - 8506931515 support@avishkaar.cc www.avishkaar.cc



@AvishkaarEdu

MEX

Robotik-
Starterkit

Benutzerhandbuch





**„Ich träume nicht vom
Erfolg, ich arbeite dafür!“**

Inhalt

Holen Sie das Beste aus Ihrer Ausrüstung heraus	04
Der Eid des Innovators	06
Entdecken Sie Ihr Kit	07
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Holen Sie das Beste aus Ihrer Ausrüstung heraus

Innovation



Legen Sie den Innovatoreid ab

Legen Sie den auf Seite 6 erwähnten Innovator-Eid ab und verstehen Sie, was er bedeutet ein Innovator zu sein.



Lernen Sie , das Handbuch/ die Videos zu verwenden

Folgen Sie den detaillierten Anweisungen im Handbuch und **lernen Sie**, mit Ihrem Bausatz spannende Roboter zu bauen.



Erstellen, codieren und steuern

Schaffen Sie innovative Projekte mit Ihrem Kit und steuern Sie die Roboter mit Aviskaar-Fernbedienung und -Code mit Avishkaar Maker Studio.



Aktie

Gewinnen



Treten Sie der Lass uns Avishkaar

Treten Sie unserer FB-Community bei , vernetzen Sie sich mit Innovatoren und erhalten Sie die neuesten Webinar-Updates.



Projekte hochladen Projekte hochladen auf

www.avishkaar.cc und teilen Sie sie mit Innovatoren auf der ganzen Welt.



Internationales Wettbewerbe

Nehmen Sie an wöchentlichen, **monatlichen** und jährlichen Wettbewerben teil und gewinnen Sie **weltweit**.



Der Eid des Innovators

Legen Sie unten den Innovator-Eid ab und verpflichten Sie sich damit zu einem lebenslangen Engagement für Innovation und Problemlösung. Teilen Sie das Foto in der FB-Community „Let's Avishkaar“.

I (write your name)

*solemnly swear that, since I am
now on the path of innovation,*

*I will not give up until my
innovation, my project is ready.*

*I will hone my skills and tools
and use them well. Innovation
and I will be inseparable.*

*I will always share my
innovations with other
innovators and learn with them.*

Your Signature



**Für die
Recherche Ihres Kits**

Willkommen bei Aviskaar

Laden Sie die Aviskaar-App herunter

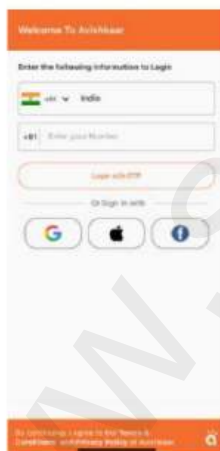
Laden Sie die Aviskaar-App herunter, indem Sie die folgenden QR-Codes scannen:



1

Ein Konto erstellen

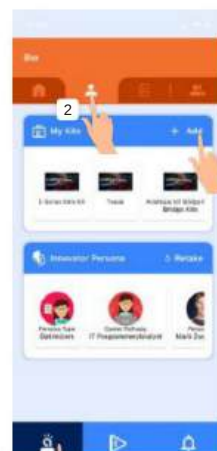
Öffnen Sie die App und folgen Sie den Anweisungen auf dem Bildschirm, um ein Konto zu erstellen.



2

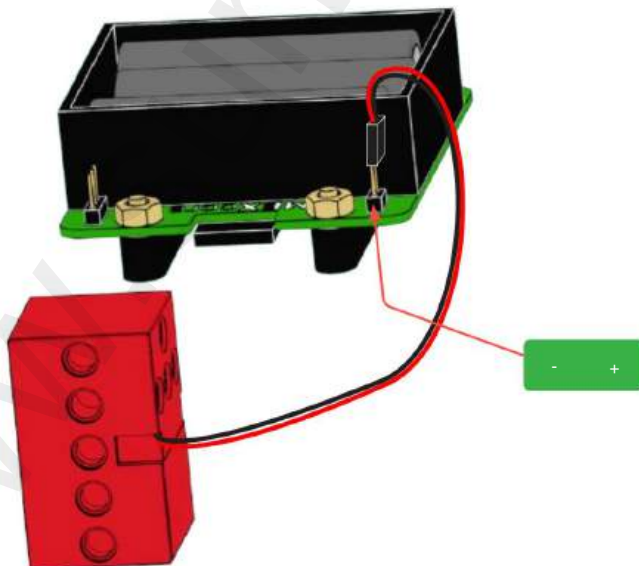
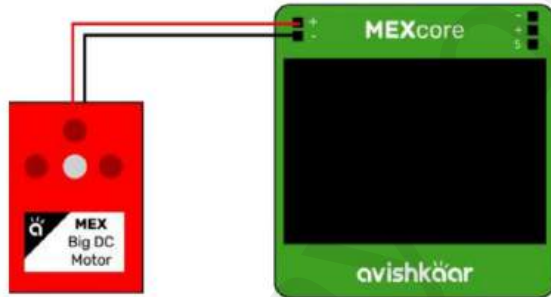
Registrieren Sie Ihr Kit

Gehen Sie in der App zum Bereich „Profil“ und klicken Sie im Bereich „Meine Sets“ auf „+ Weiteres hinzufügen“, um Ihr Set zu registrieren. Dieser Schritt ist **wichtig** für die spätere Steuerung des Roboters.



Product Registration
Sticker

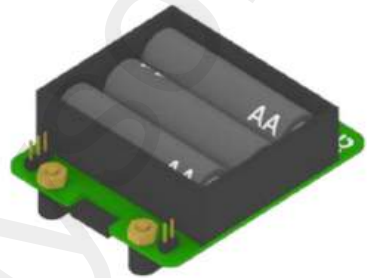
So schließen Sie einen Motor an MEXcore an



Anwendungskontrolle

- 1 **Legen Sie** die Batterien in den MEXcore ein und schalten Sie ihn ein. Sie werden feststellen, dass die MEXcoreLED blinkt Grün.

Hinweis: Verwenden Sie nur AA-Alkalibatterien. (Jeder andere Typ **kann** den MEX-Kernel beschädigen.)



- 2 Schalten Sie Bluetooth auf Ihrem Telefon ein.

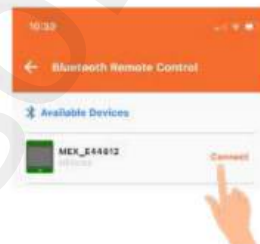


- 3 Öffnen Sie die Avishkaar-App und klicken Sie im Bereich „Home“ auf die Schaltfläche „Play“.

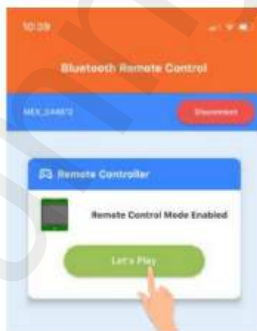


- 4 Klicken Sie auf „Verbinden“.

Ihre Anwendung sollte Ihren MEXcore finden können, wenn er eingeschaltet ist. Sobald die Anwendung Ihre MEXcor, klicken Sie auf "Verbinden".



- 5 Klicken Sie auf „Let's Play“ und wählen Sie „MEX Robotics Starter Kit“ aus dem Kit-Auswahlmenü.



- 6 Der Fernbedienungsbildschirm wird geöffnet und ermöglicht Ihnen die Steuerung des LED-Motors und des Tons Ihres Tusker. Viel Spaß!



Konfigurieren Soundeffekte



Joystick



Rüstungsprüfung

Kasten 1 (Elektronik)



Avishkaar
MEXCore
x 1



MEX großer
Gleichstrommotor
x 1

Kasten 2 (Bauteile)

Strahl



15H Strahl
x 1



11H Strahl
x2



9H-Strahl x 6



7H-Strahl
x5

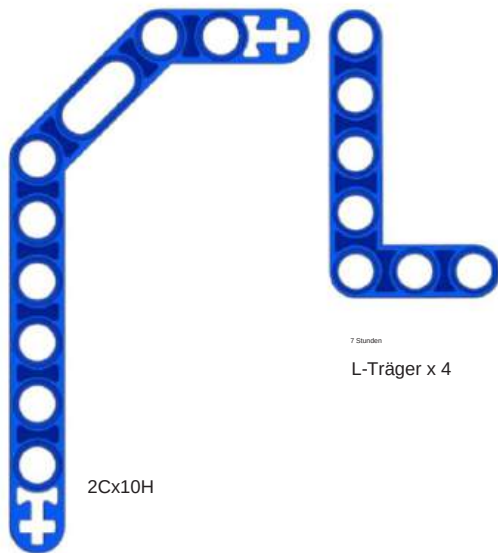


5H-Strahl x 4



3H-Balken x
10

Hinweis: "H"
" bedeutet Löcher. Z.B.
Strahl 15H bedeutet
Balken mit 15 Löchern.



2Cx10H

Doppelbiegebalken x 2

7 Stunden

L-Träger x 4



1Cx4H

L-Träger x 6



5 Stunden

T-Träger x 4



2Cx1H

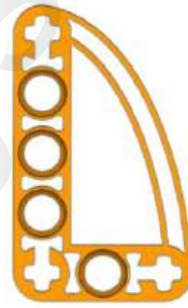
Dünnschraube x 2



1Cx1H-Balken x 2



3Cx2H Thin-D x 2



3Cx4H Thin-D x 2

PINS



Lange
Stecknadeln,
blau, 12 Stück



Lange **Stecknadel-gelb**
x2



Mittlerer **Stift - schwarz** x
26



Mittlerer **Stift, schwarz** , 4
Stück



Mittelachsstift
- blau x 4

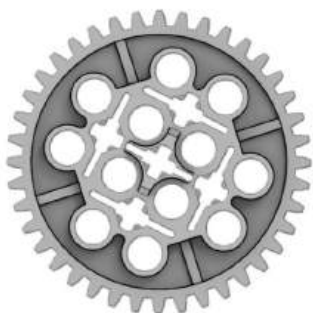


Kurzer **Stift, gelb** , 2
Stück

Hinweis: „C“ steht für

„Kreuz“. Z.B. „1CX4HL-Träger hat
ein Kreuz und vier Löcher.

ÜBERWEISEN



Kettenrad-40T x
1



Kettenrad-8T x 2



Schneckengetriebe -groß
x 1

ANSCHLUSS



3Hx4 Stift
Anschluss
x 2

FÜLLSTÖFFE



Achsfüller - groß x
14



Achsfüller - klein
x 6

RÄDER



Fahrrad x 4

11. 10. 9. 8. 7. 6. 5. 4. 3. 2. 1.
 Öffnung Öffnung Öffnung Öffnung Öffnung Öffnung Öffnung Öffnung Öffnung Öffnung Öffnung



Strahl

Abhilfe



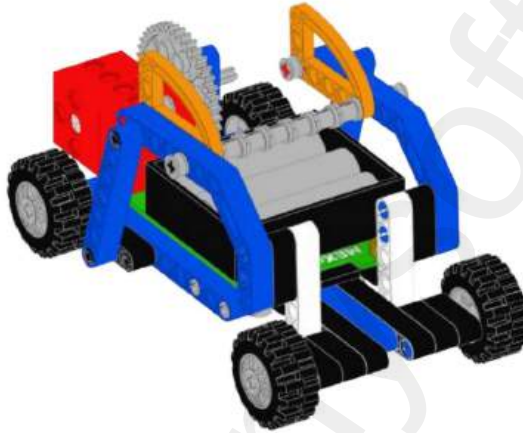
2H

Hinweis: „H“ in der Achsbezeichnung bedeutet Balken, seine Höhe entspricht beispielsweise – 5H. Die Achse entspricht der Höhe des Balkens 5H.

Alles

Projekt: MEX mobile

Lasst uns bauen!



Dinge, die wir brauchen



11H
Strahl
x2



7 Stunden
Strahl
x3



9H
Strahl
x2



5H-Strahl
x2



7 Stunden
L-Träger
x2



3H-
Strahl
x10



2C x 10H
Doppelt
Biegen
Strahl
x2



3Cx4H
Thin-D
x2



Stirnradgetriebe
40T x 1



Stirnradgetriebe
Rad-8T
x 1



3Hx4Pin
Anschluss
x2



Füllung
Achsen-groß
x10



Montagetipp



Die langen blauen Stifte haben zwei verschiedene Seiten!

Eine Seite **kann** gleichzeitig in zwei **Strahlen** gelangen, während die andere Seite nur in einen Strahl gelangen **kann**.

Achten Sie darauf, welche Seite bei welchem Schritt eingelegt werden muss.

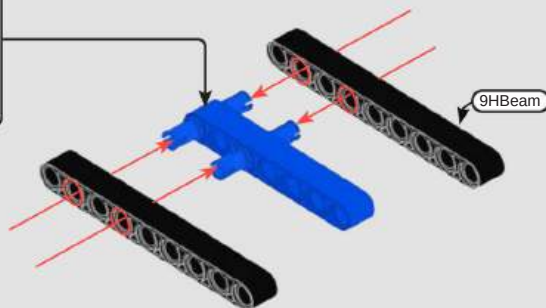
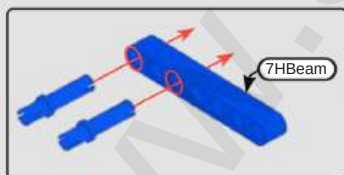


1

1:1



Lange Anstecknadel - blau

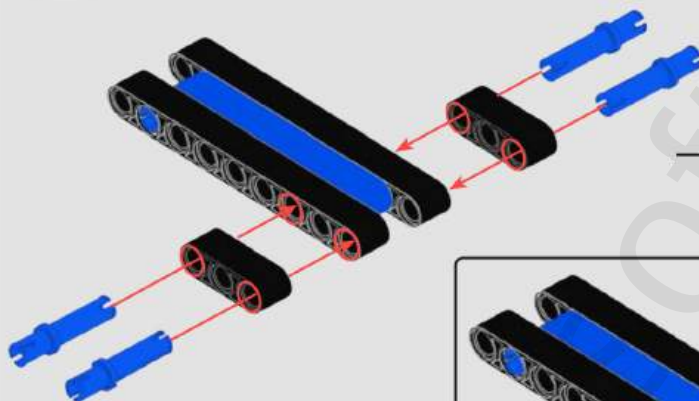


2

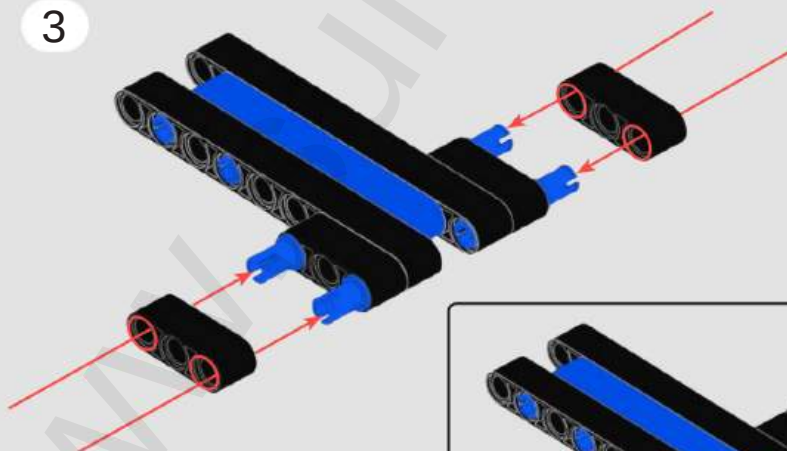
1:1



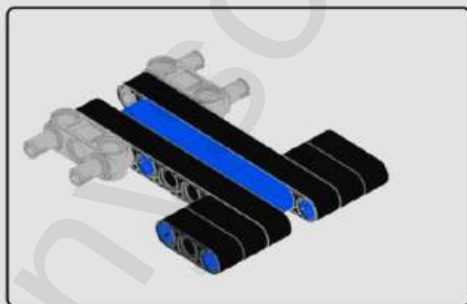
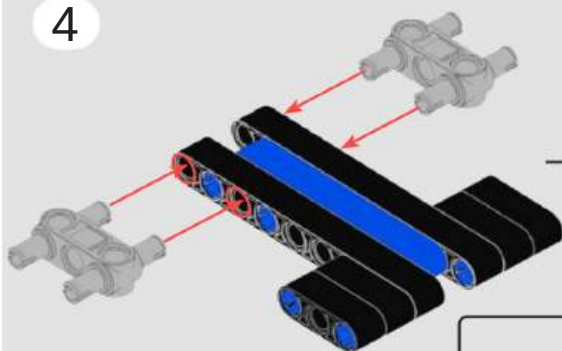
Lange Anstecknadel blau



3



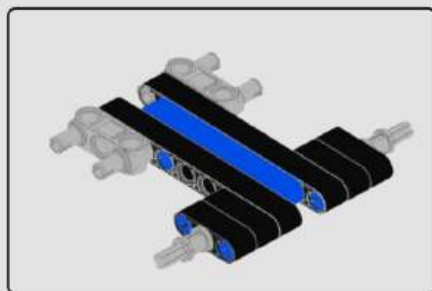
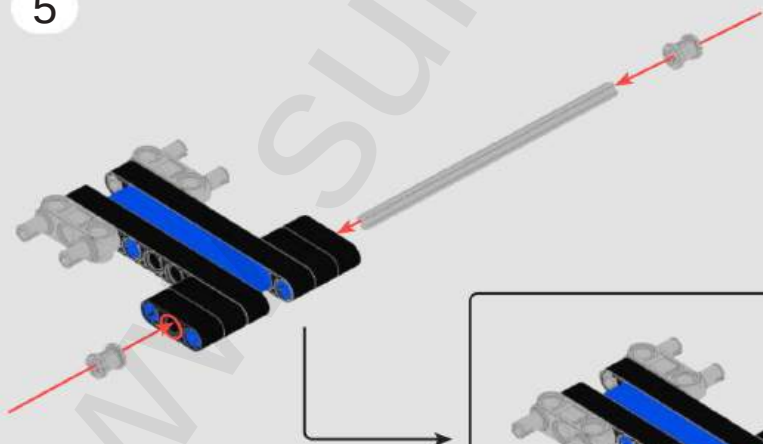
4



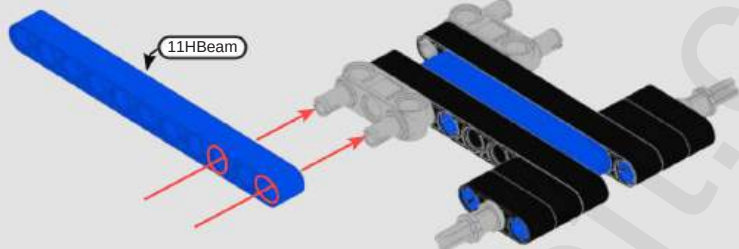
1:1

11H-Achse

5



6



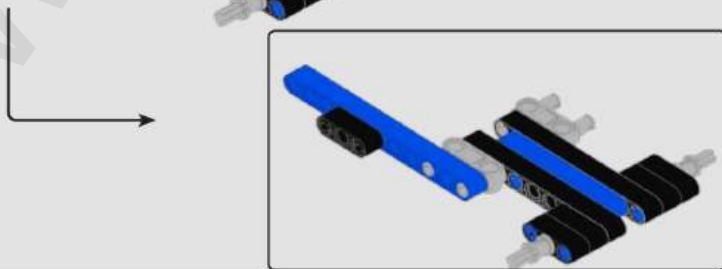
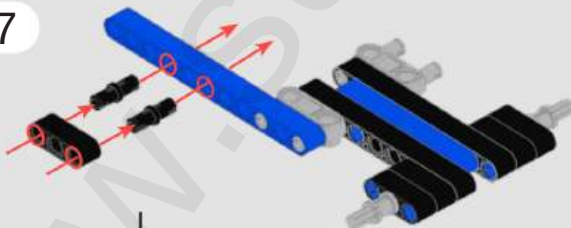
Montagetipp



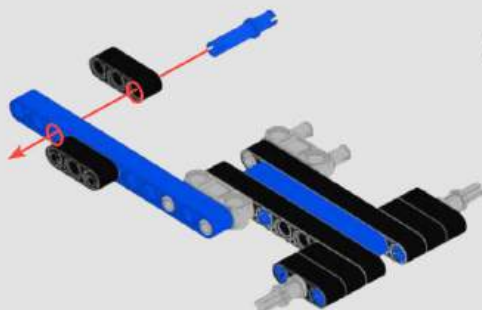
Das **Einstecken** der schwarzen Mittelstifte kann etwas schwierig sein !
Aber keine Sorge. Schieben Sie sie durch und achten Sie auf eine feste
Verbindung. **Wenden Sie dabei** etwas Kraft an. :)



7



8



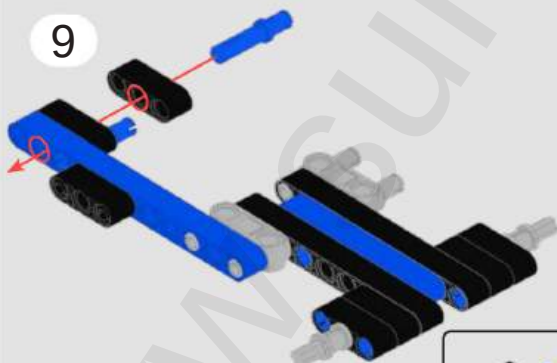
1:1



Lange Anstecknadel - blau



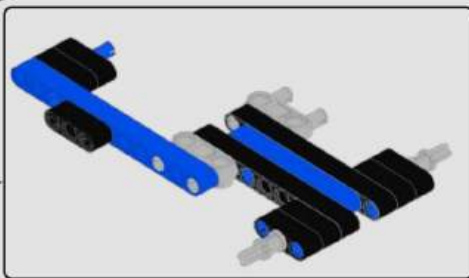
9



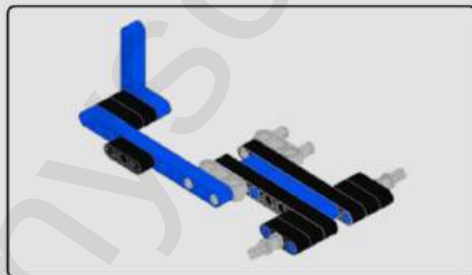
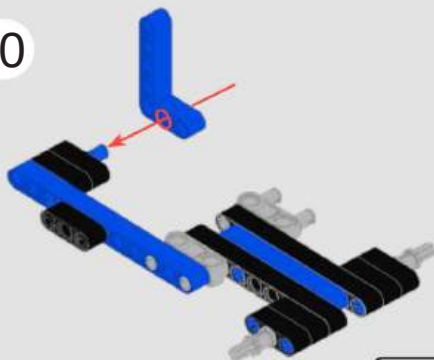
1:1



Lange Anstecknadel - blau



10

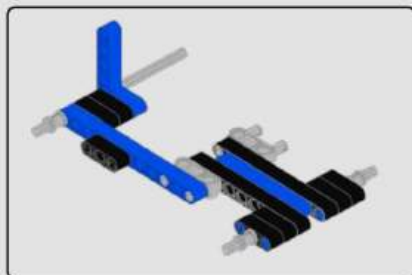
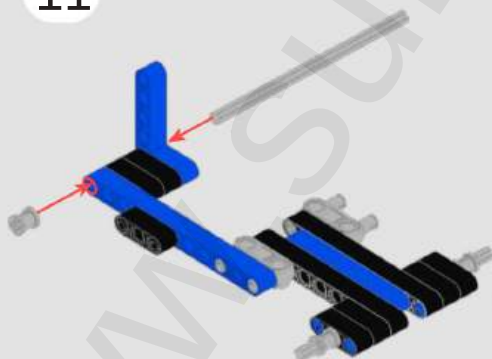


11

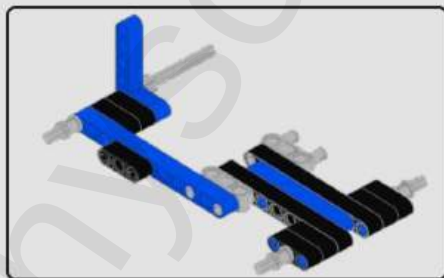
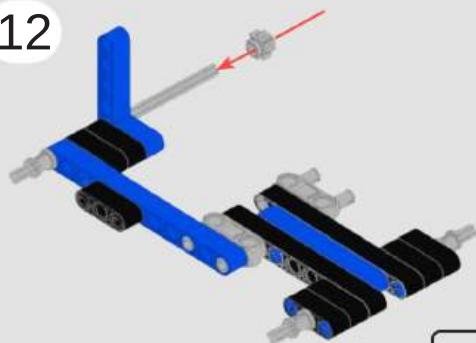
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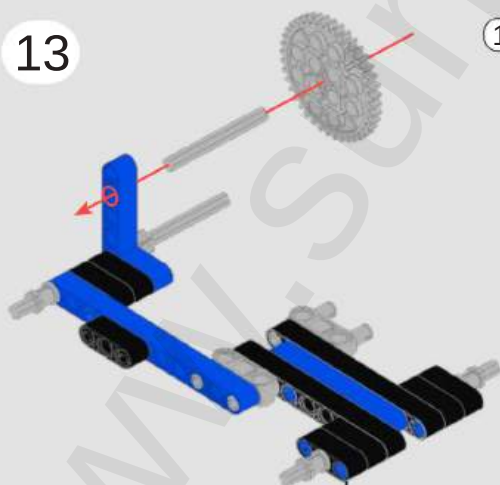
11H-Heilmittel



12



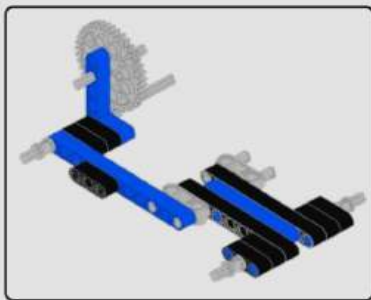
13



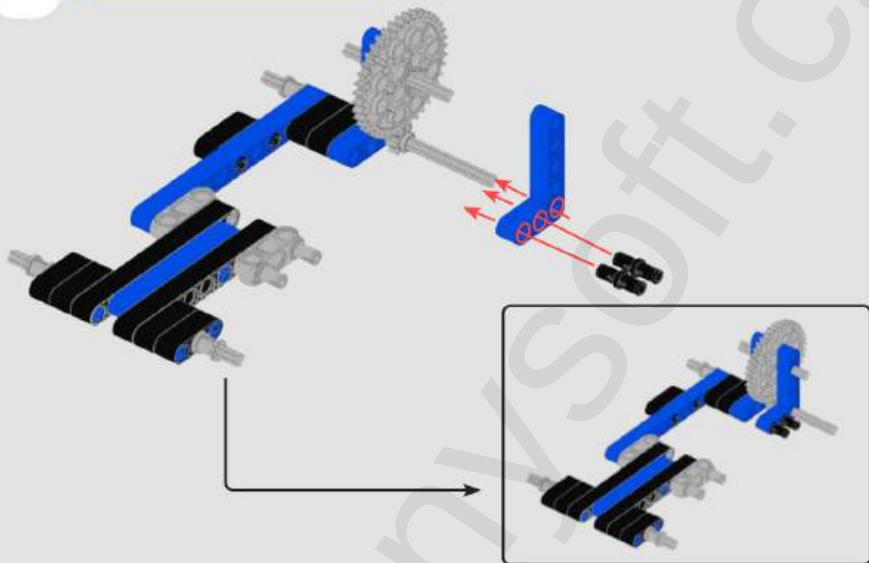
1:1



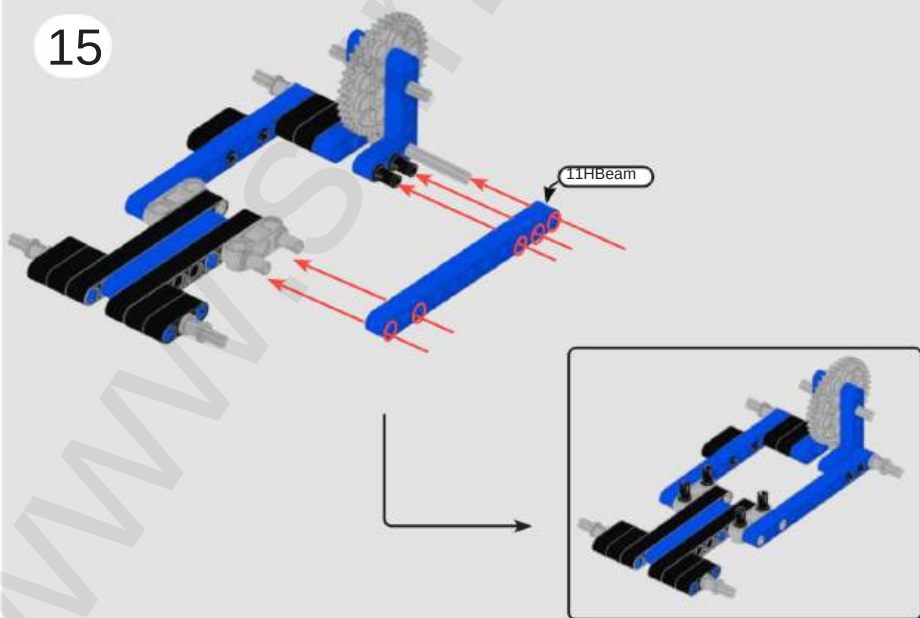
5H- Heilmittel



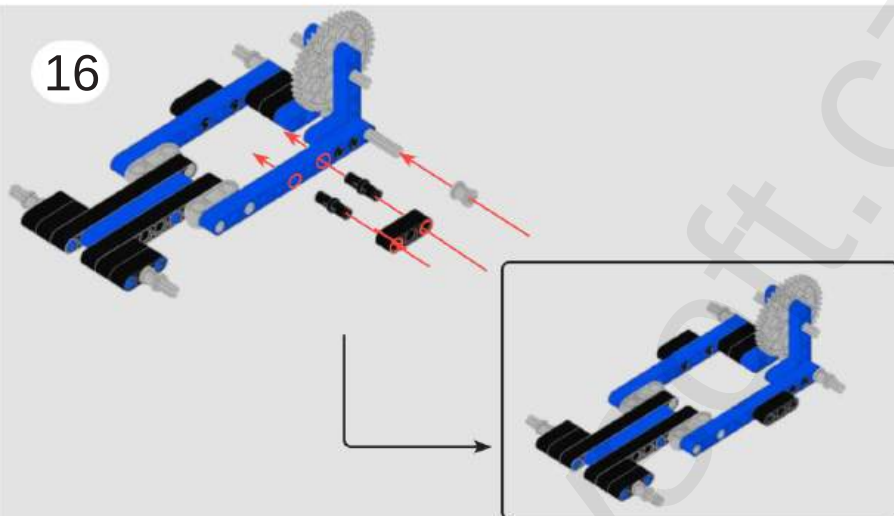
14 Frontansicht oben rechts



15



16



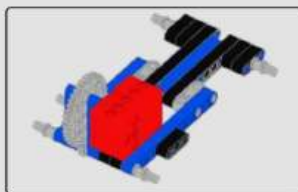
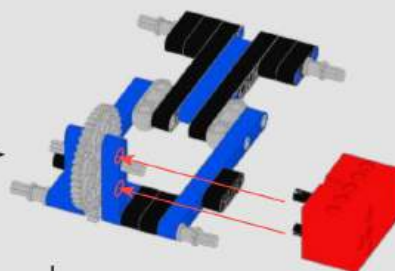
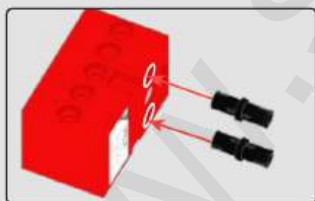
Typ zum Zusammenbau



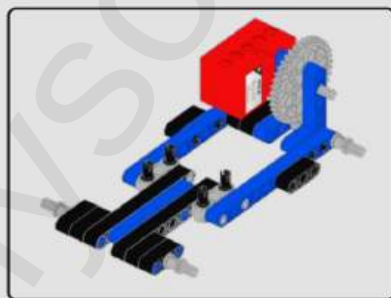
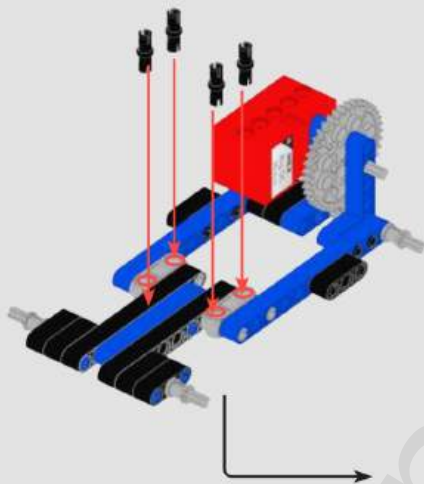
Die schwarzen Mittelstifte können nur auf einer Seite des Motors eingesteckt werden! Die schwarzen Pins können nur auf der Seite des Motors mit dem weißen Aufkleber **eingesteckt** werden. Mit einem Marker hingegen können nur kleine gelbe **Stecknadeln** verwendet werden.



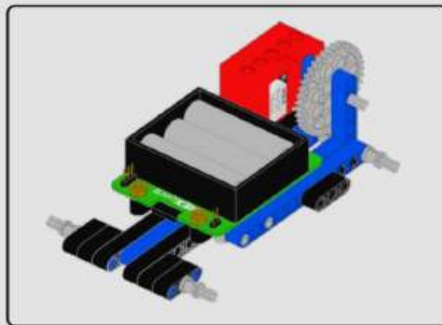
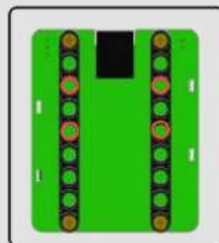
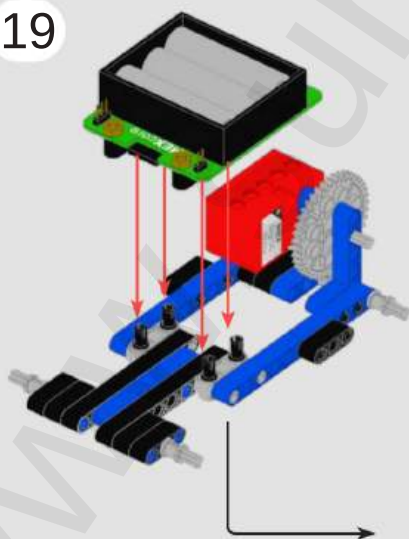
17 Ansicht von oben links hinten



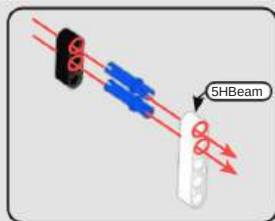
18 Frontansicht oben rechts



19



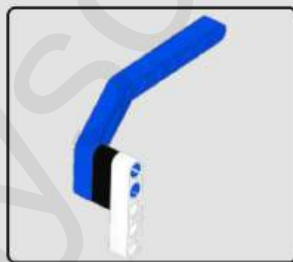
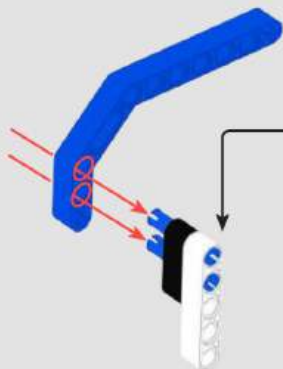
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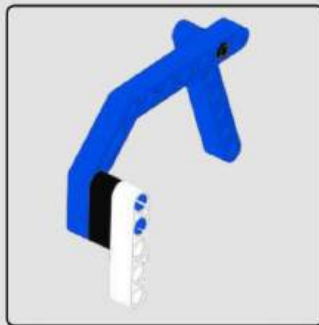
1:1



Lange Anstecknadel blau



20

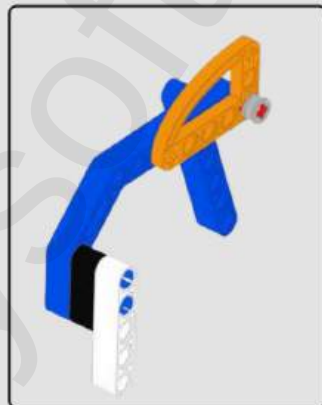
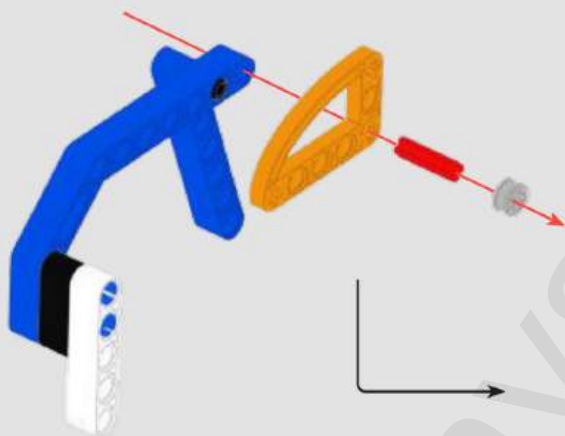


21

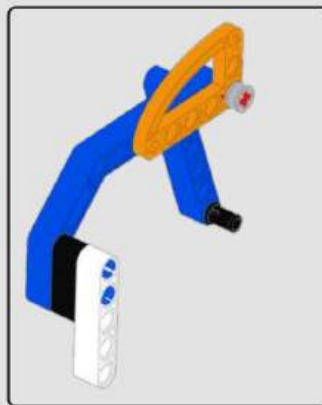
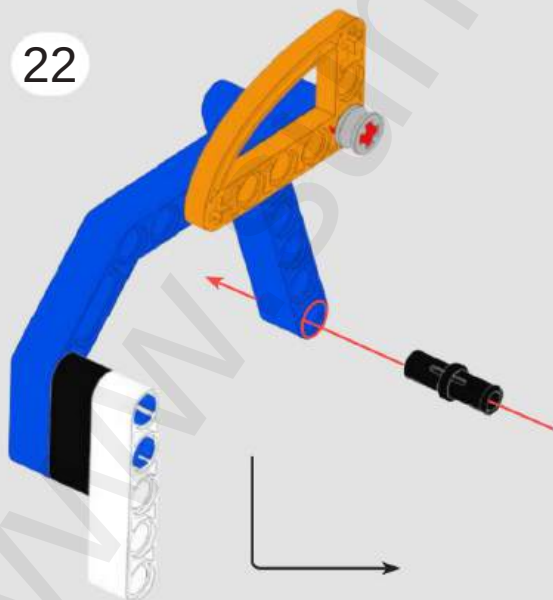
1:1



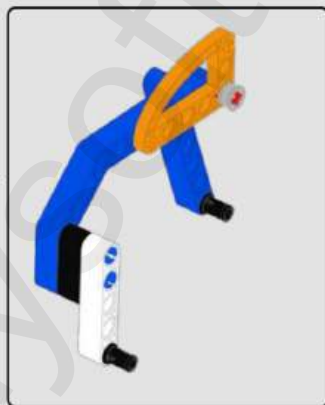
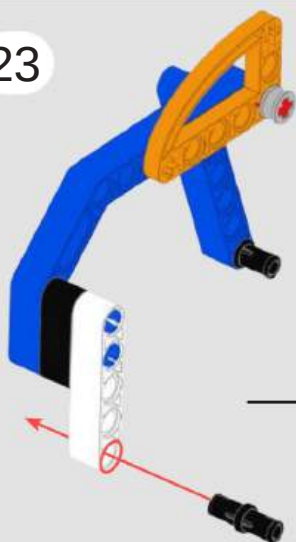
2H-Heilmittel



22



23



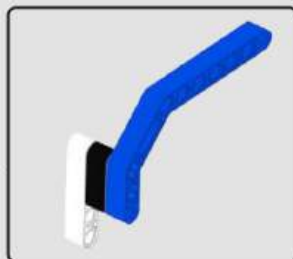
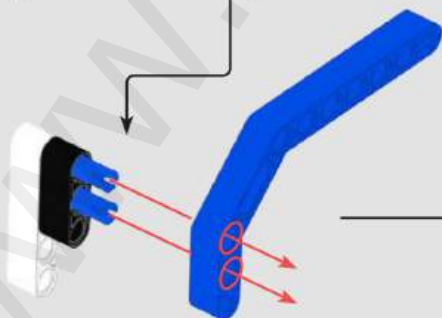
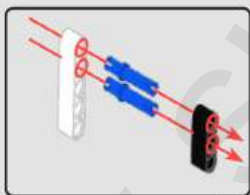
Machen wir die Spiegelseite.

24

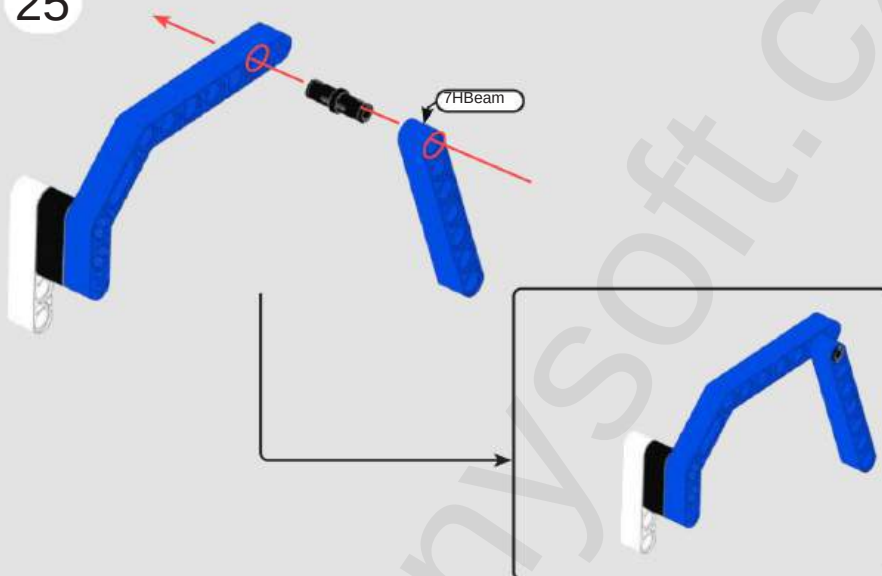
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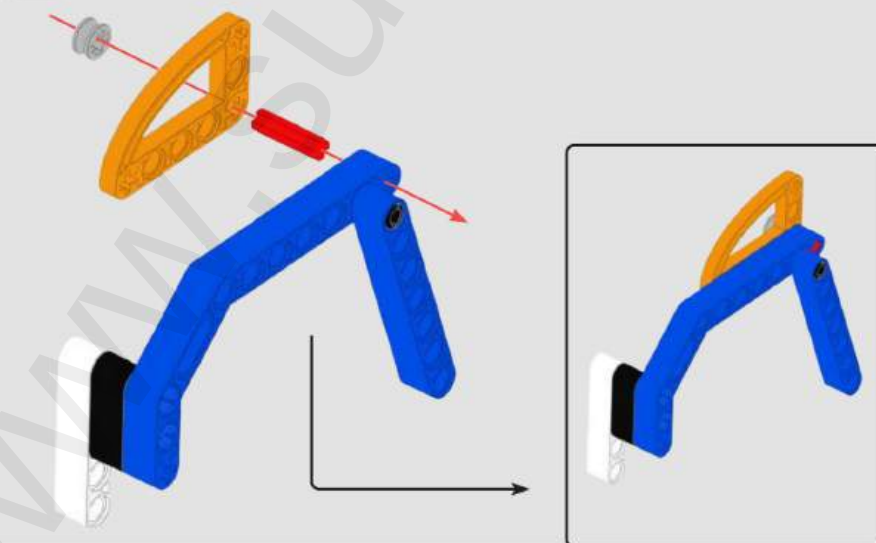
Lange Anstecknadel blau



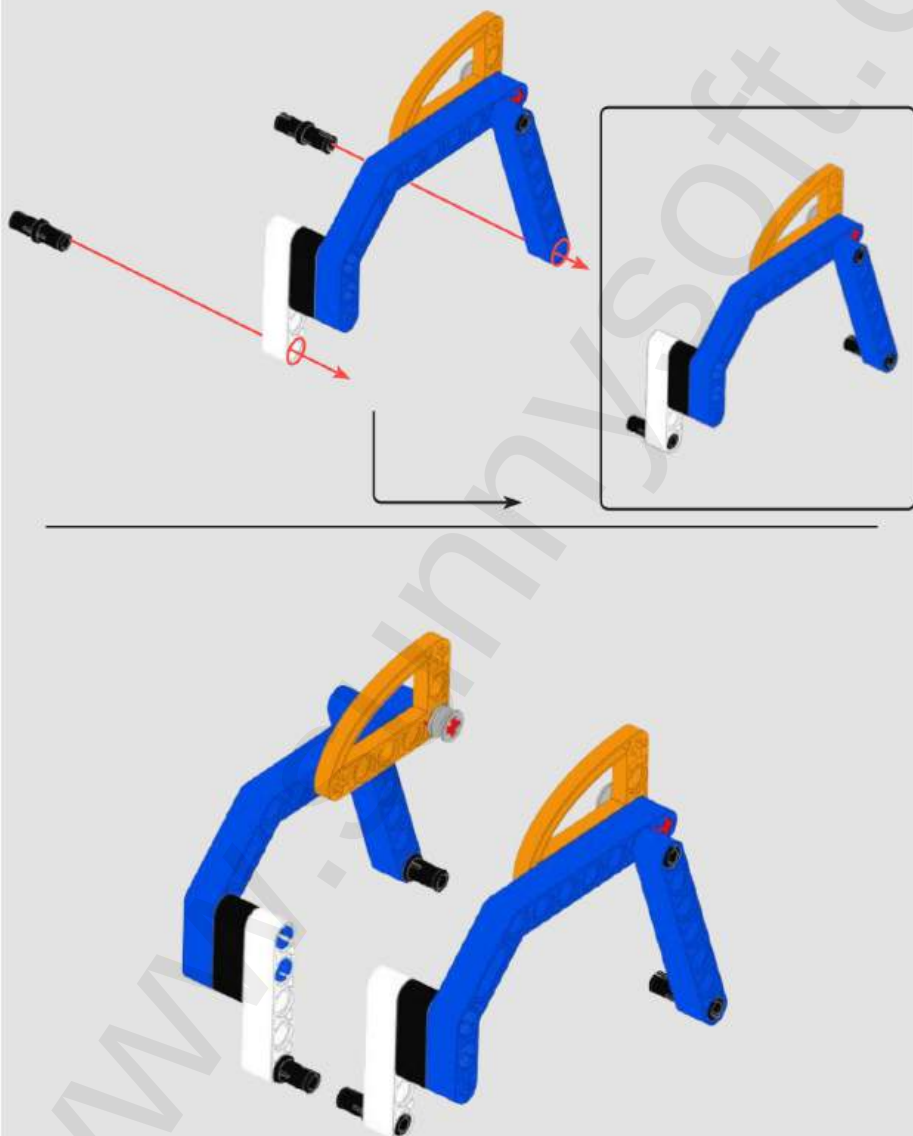
25



26



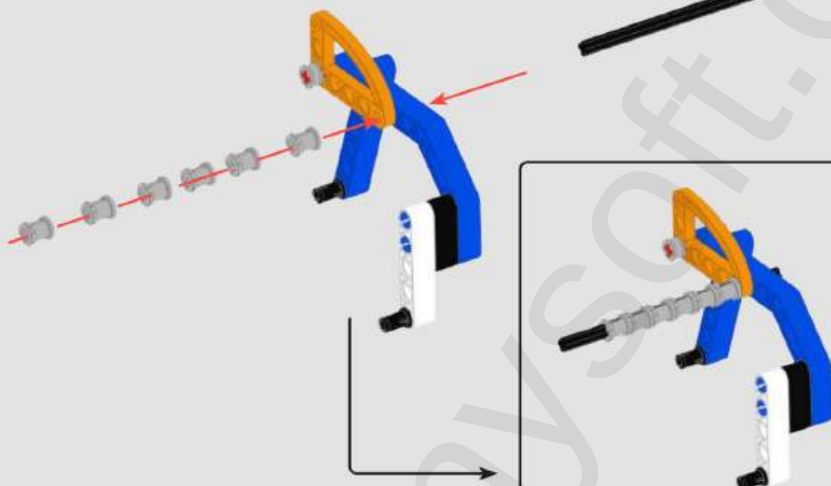
27



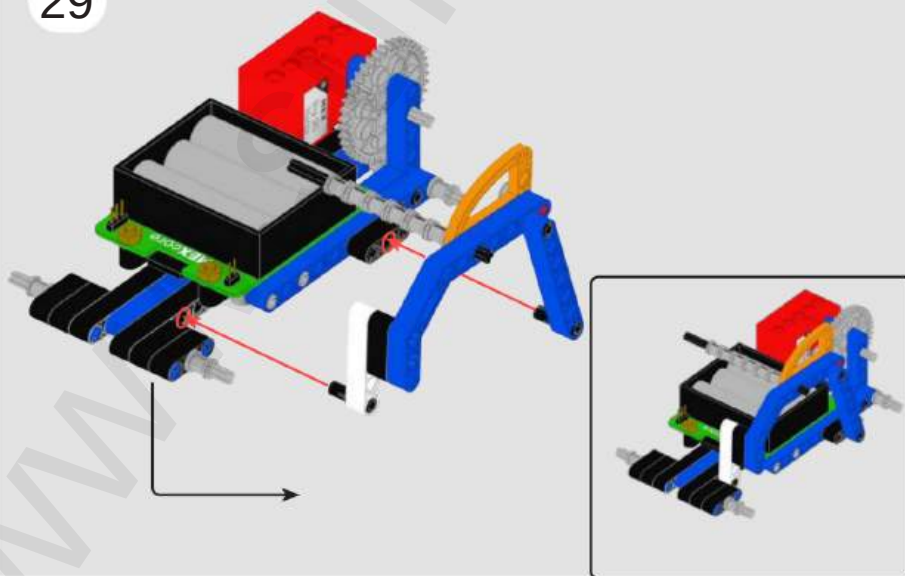
28

1:1

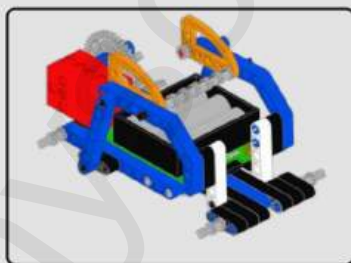
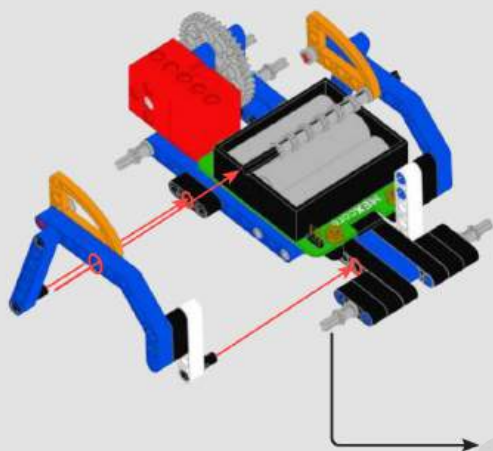
10H-Heilmittel



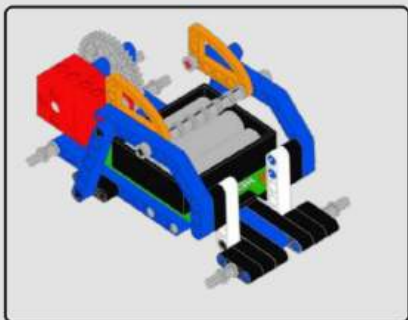
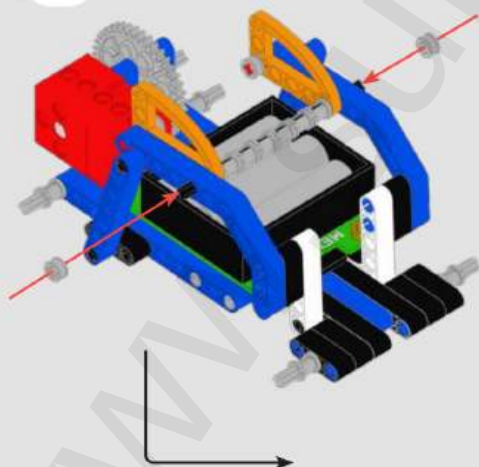
29



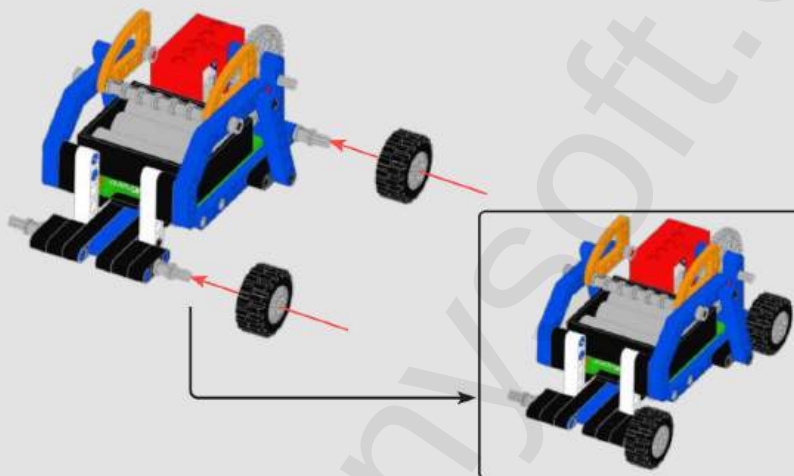
30



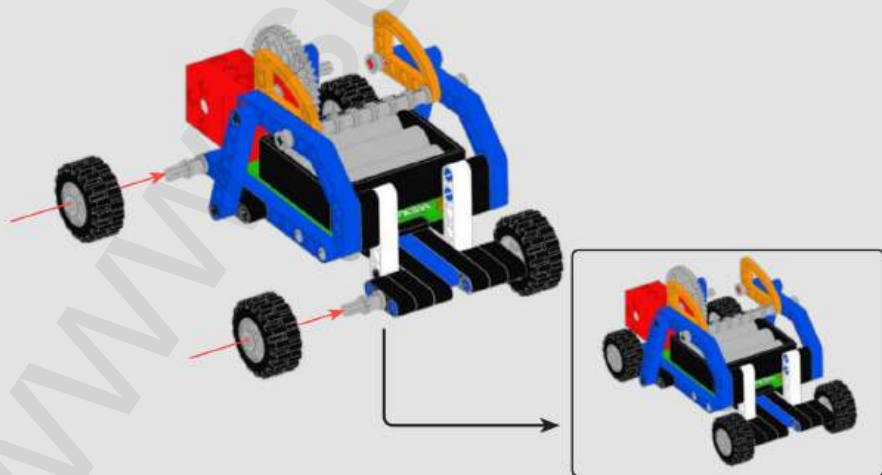
31



32



33



Herzlichen Glückwunsch zum Abschluss dieses Projekts!

Sie spielen gerne damit und
Avishkaar-Mobil-App?

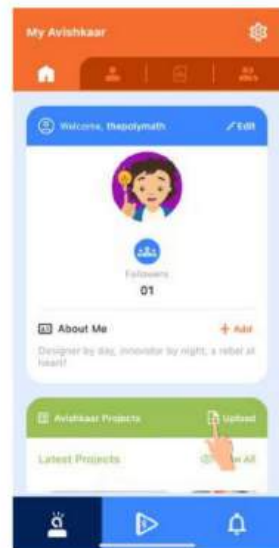
Auf Seite 8 finden Sie detaillierte
Anweisungen zum Herunterladen
der App und zur Steuerung des Roboters.



Teilen Sie Ihre Kreation mit der Welt und gewinnen Sie ein „Scratch the Surface“-Abzeichen der Stufe 1

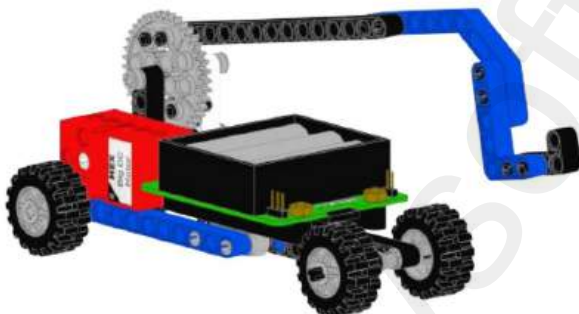
Laden Sie Fotos oder Videos Ihres Projekts im
Projektbereich der Avishkaar-App hoch und gewinnen
Sie ein Abzeichen der Stufe „Scratch the Surface“.

1. Alle Ihre Sammlungen ansehen
Abzeichen im Abschnitt **„Erfolge“** Ihres Profils auf
www.avishkaar.cc. Entdecken Sie alle anderen
Abzeichen, die Sie sammeln möchten, und gewinnen
Sie sie alle!



Projekt 2: Kran

Lasst uns bauen!



Dinge, die wir brauchen



15 Uhr
Strahl
x 1



11 Uhr
Strahl
x 2



9H
Strahl
x 2



5H-Strahl
x 1



3 Stunden
Strahl
x 6



5 Stunden
Plattenbalken
x 2



2C x 10H
Doppelt
Biegen
Strahl
x 1



7H L-Träger
x 1



1C x 4H
L-Träger
x 1



Frontal
Zahnrad
40T x 1



Stirnradgetriebe
Sternrad-8T
x 1



3H x 4Pin
Anschluss
x 2



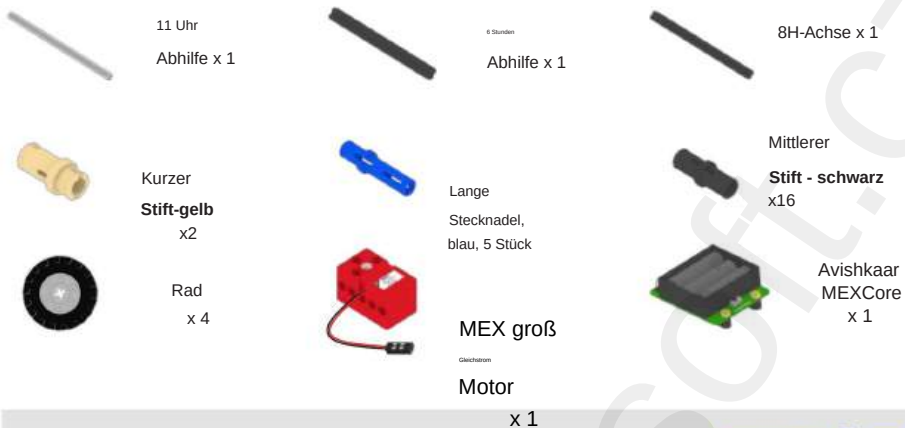
Füllung
Achsen-groß
x 5



Füllung
Achsen -
klein
x 3



5 Stunden
Abhilfe
x 1

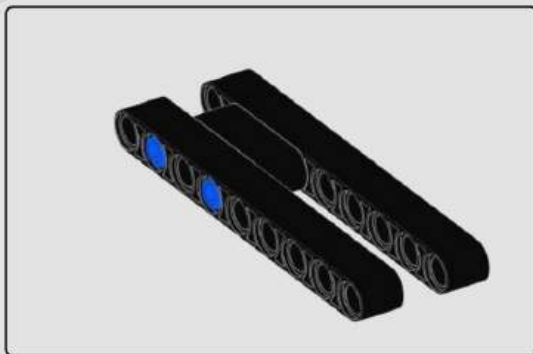
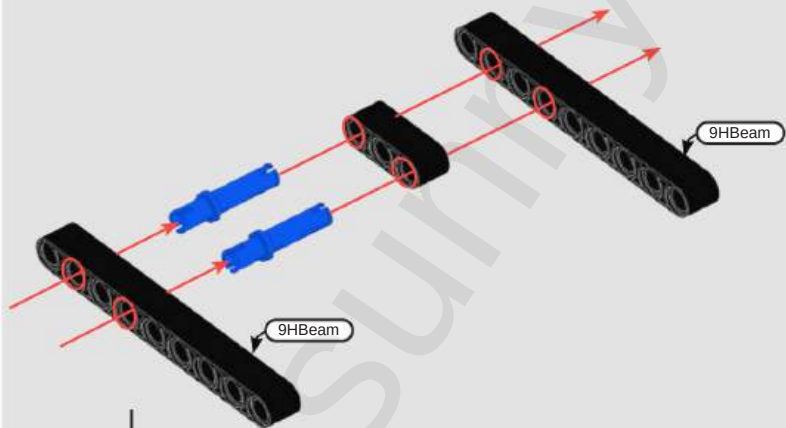


1

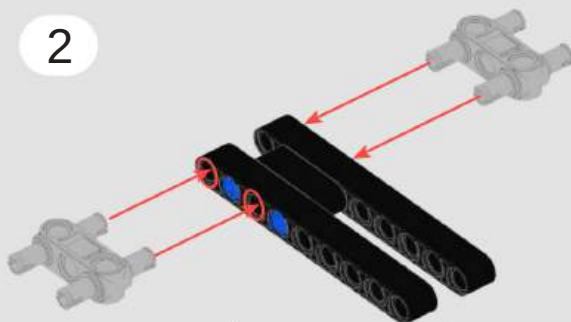
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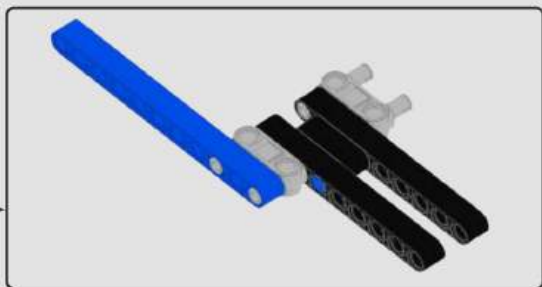
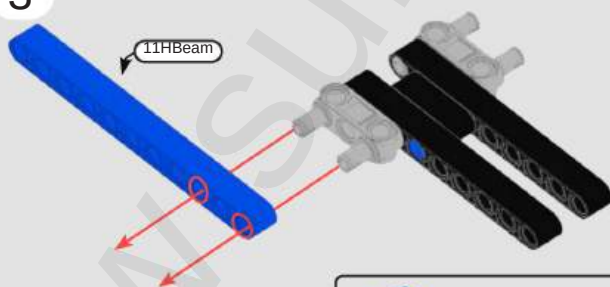
Lange Anstecknadel - blau



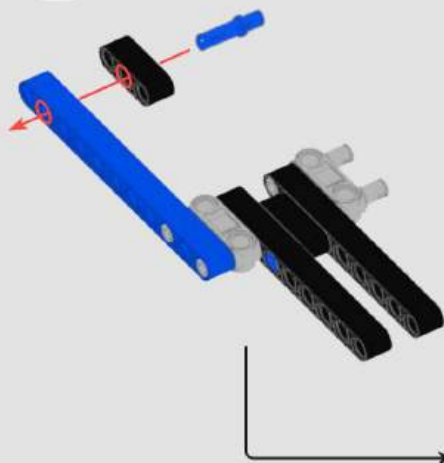
2



3



4



1:1



Lange Anstecknadel - blau



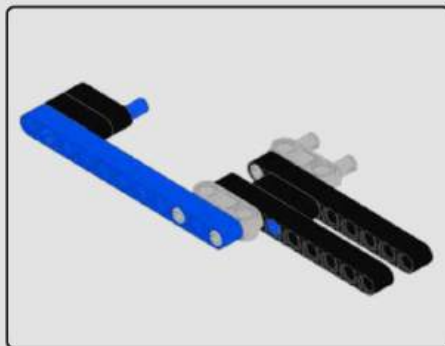
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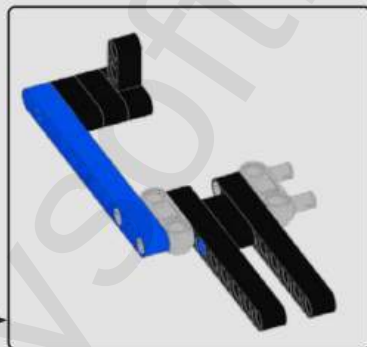
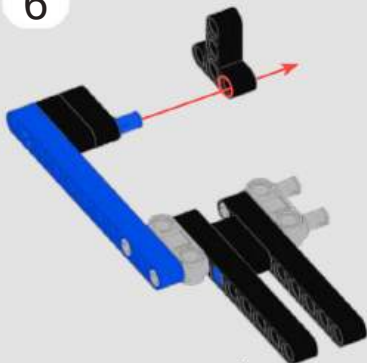
1:1



Lange Anstecknadel - blau



6



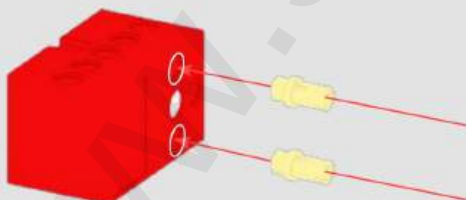
Montagetipp



Die kurzen gelben Stifte können etwas dünn sein ! **Seien Sie bei der Verwendung vorsichtig** . Sie brechen leicht. Und auch **Sie können schwierig** zu entfernen sein . Bitten Sie einen Elternteil oder Erwachsenen , Ihnen beim sicheren Entfernen zu helfen .
ENTFERNT.



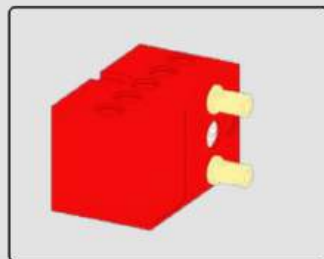
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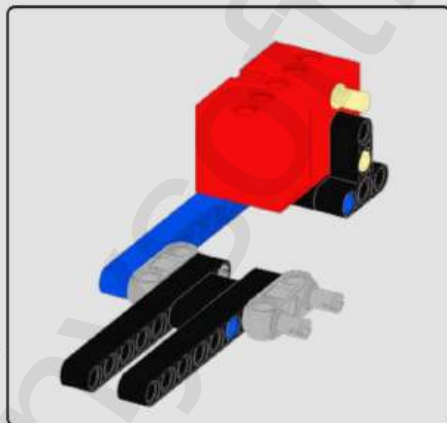
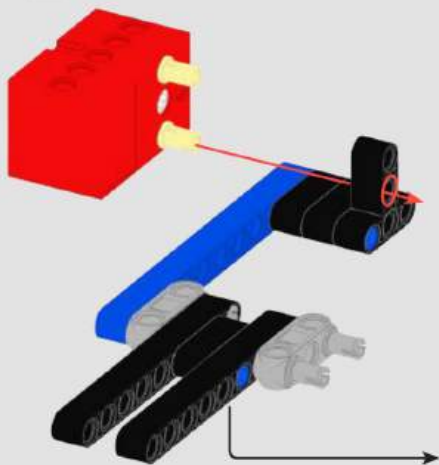
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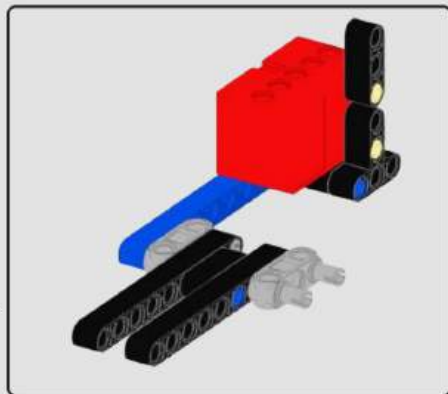
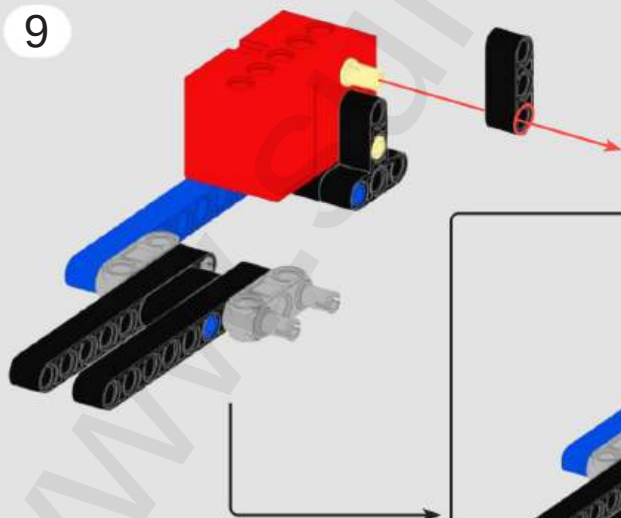
Kurzer Stift gelb



8



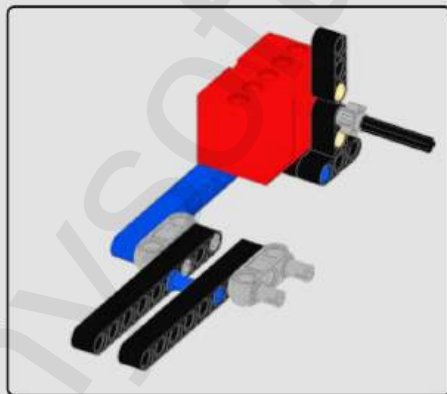
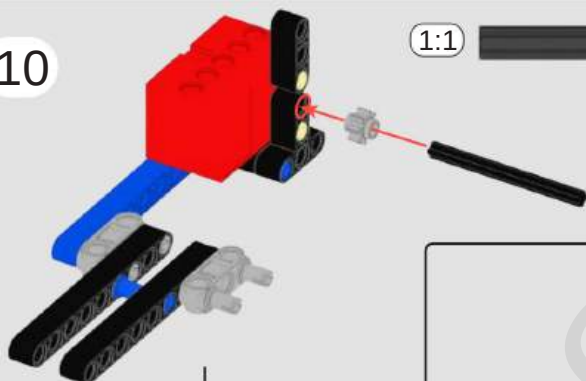
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10

1:1

6H-Heilmittel

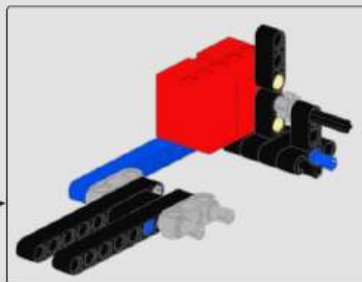
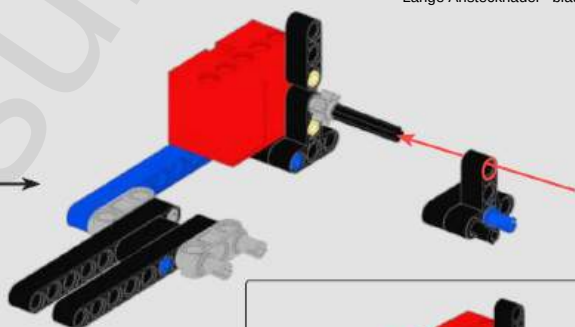
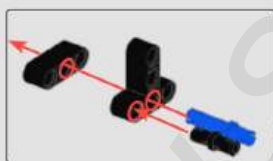


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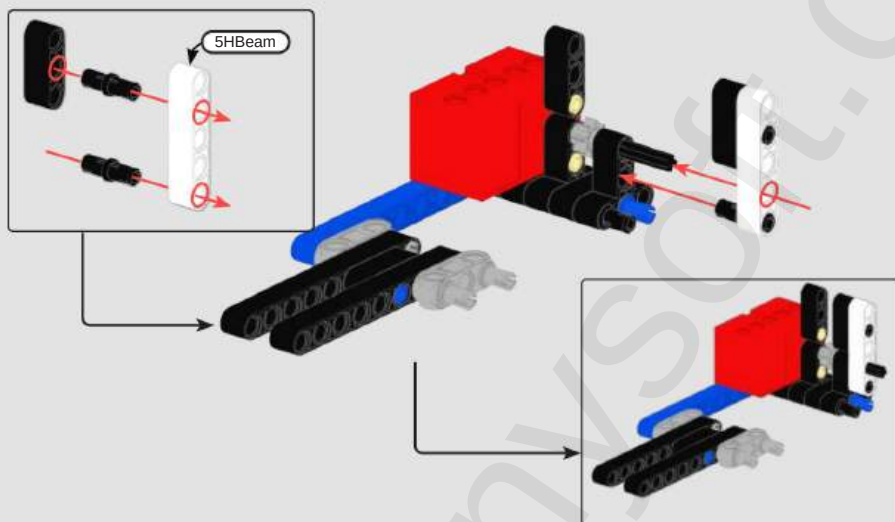
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Lange Anstecknadel - blau



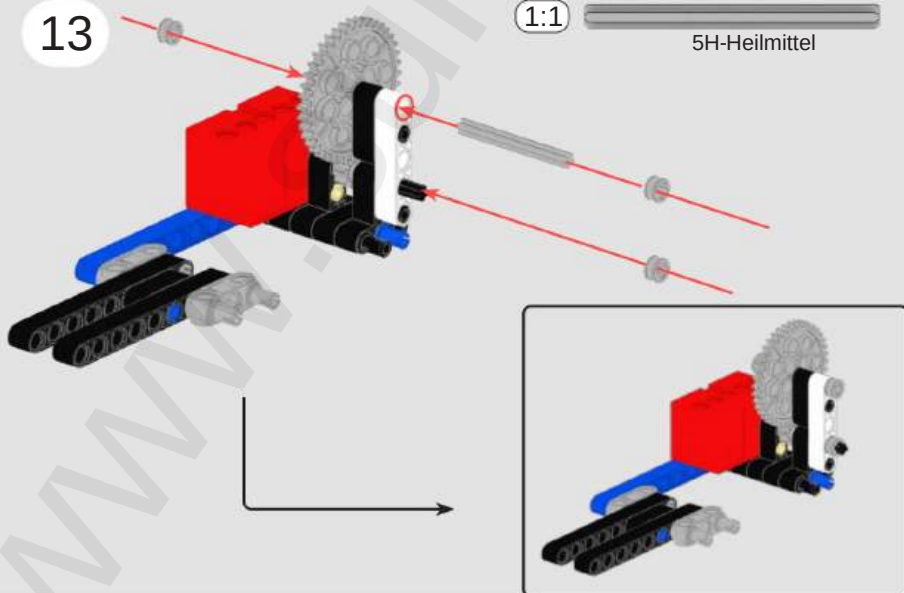
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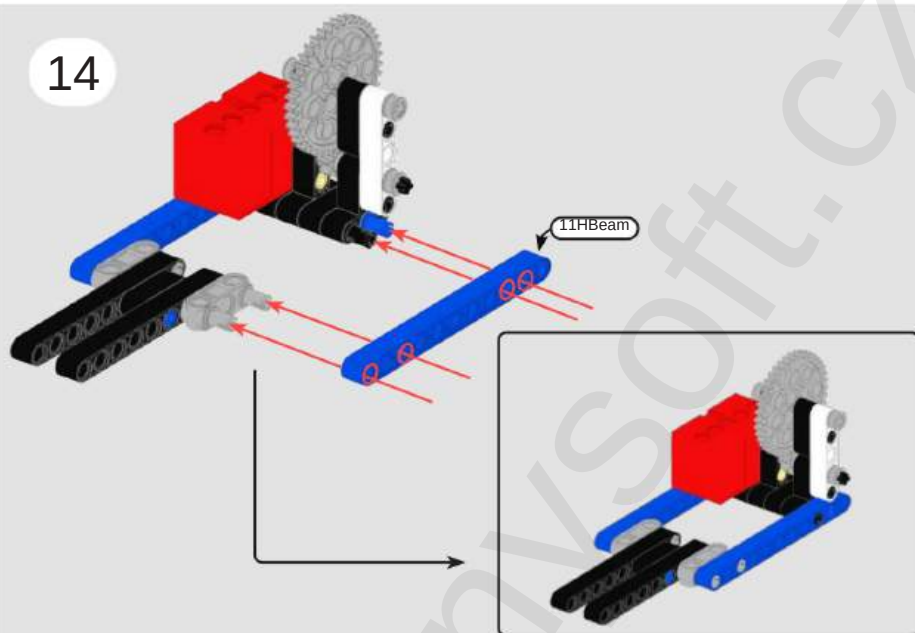
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1:1

5H-Heilmittel



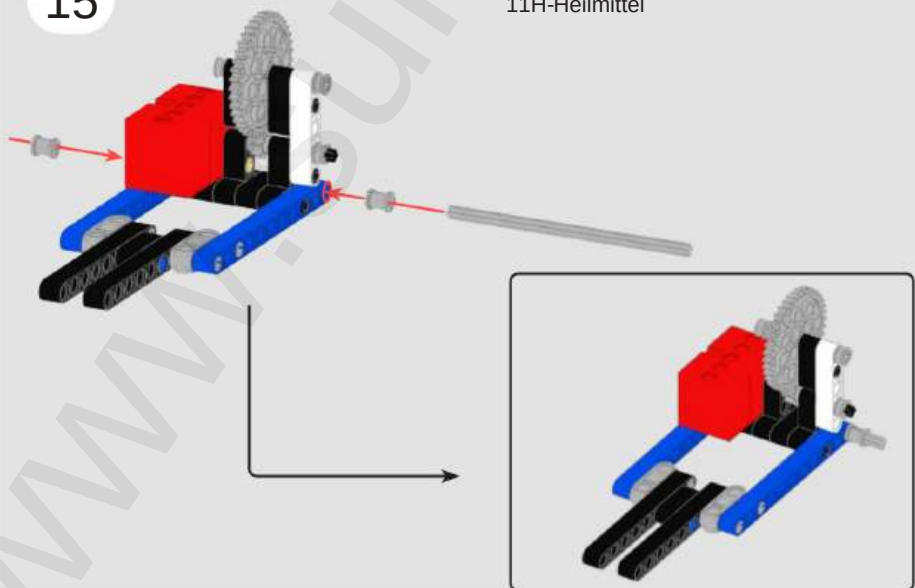
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15

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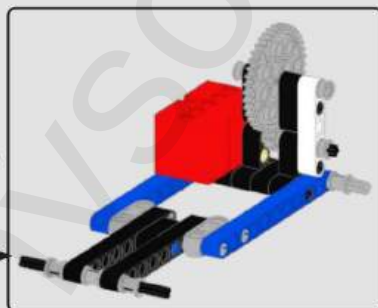
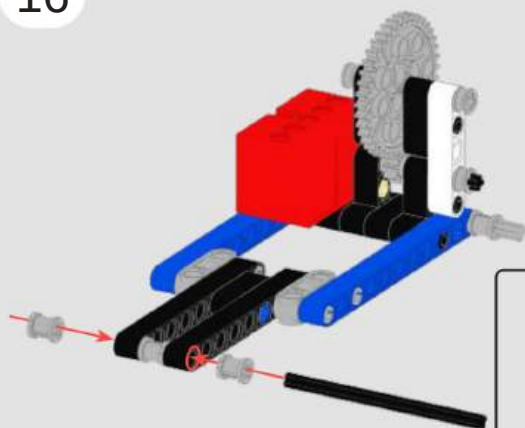
11H-Heilmittel



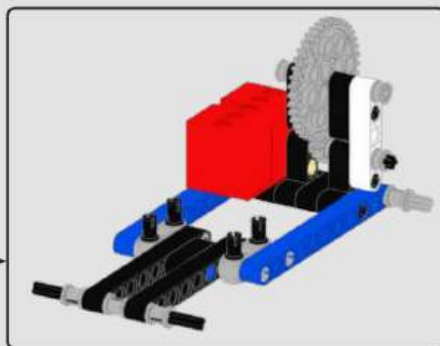
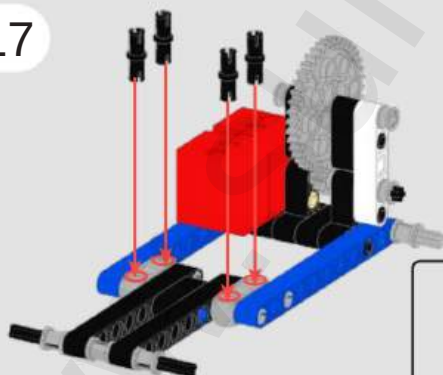
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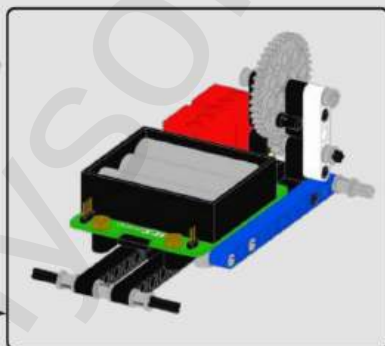
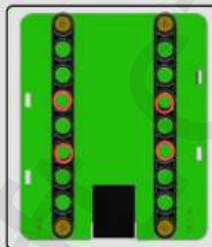
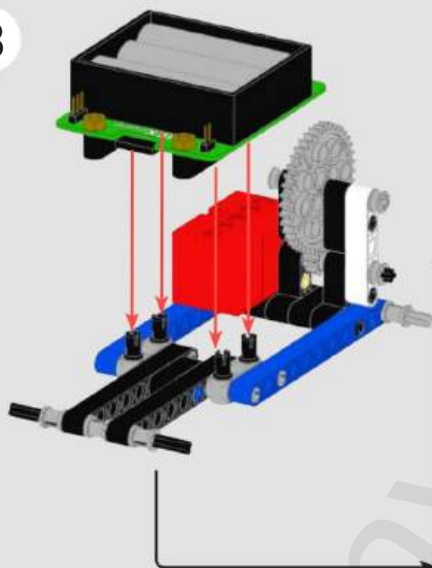
8H-Heilmittel



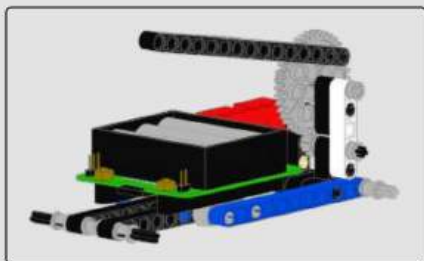
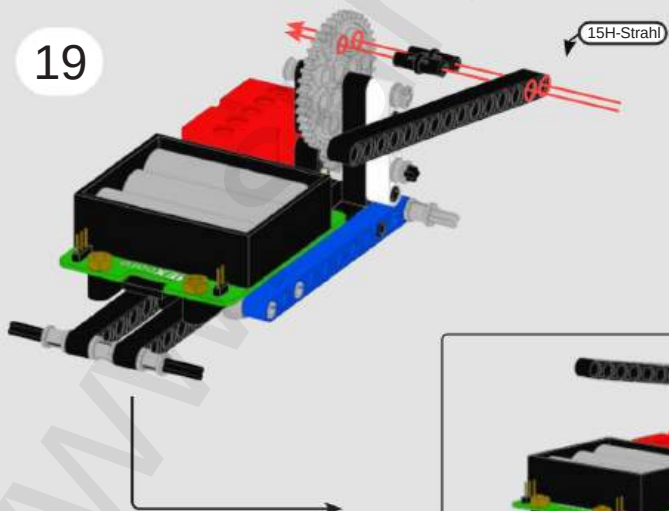
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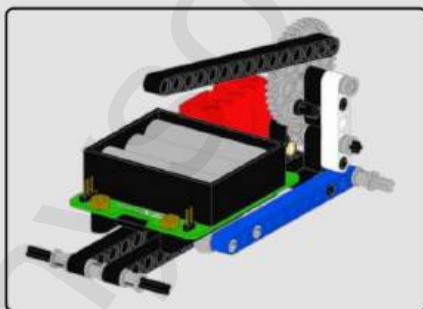
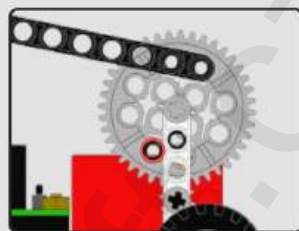
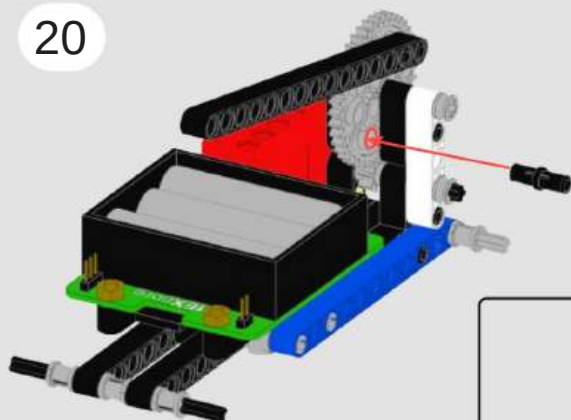
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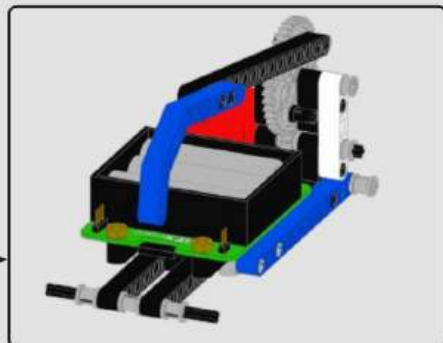
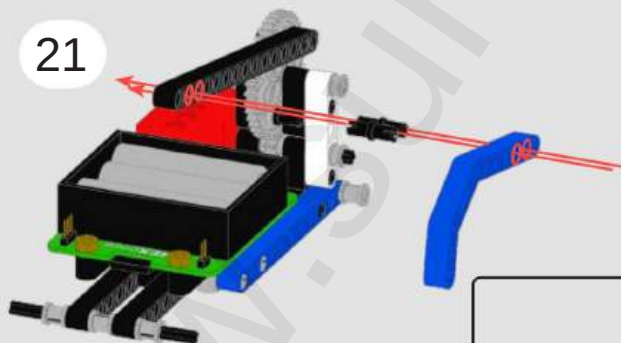
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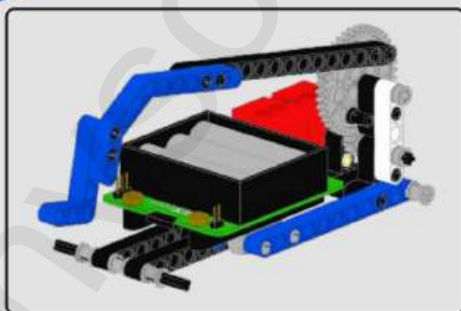
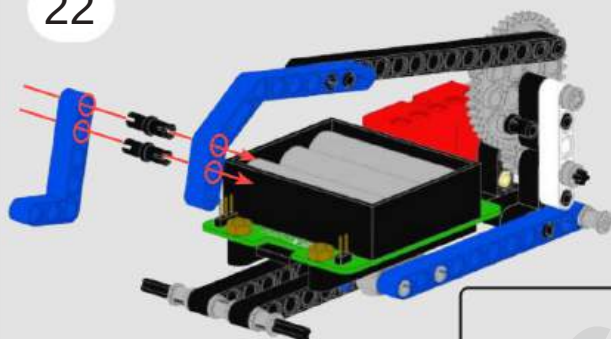
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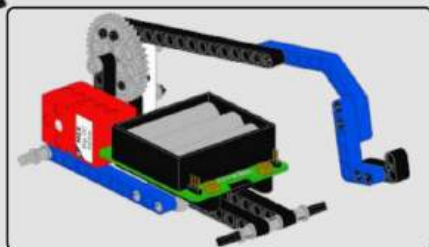
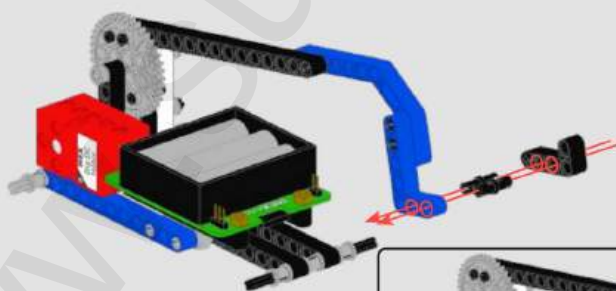
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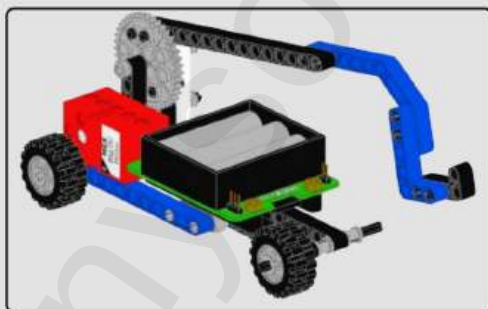
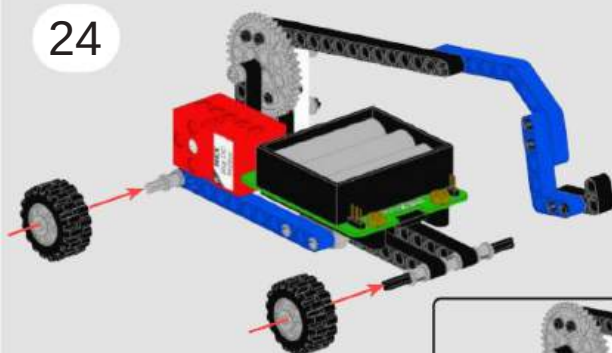
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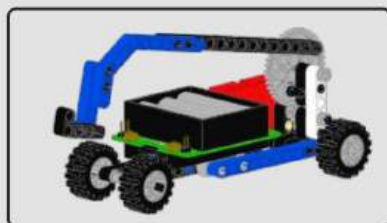
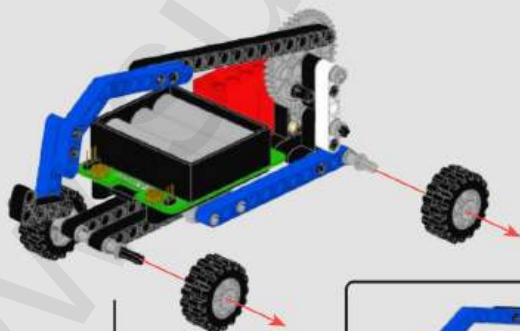
23



24



25



Herzlichen Glückwunsch zum Abschluss dieses Projekts!

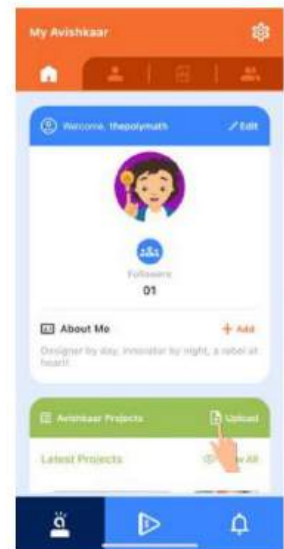
Sie spielen gerne damit und Avishkaar-Mobil-App?
Auf Seite 8 finden Sie detaillierte Anweisungen zum Herunterladen der App und zur Steuerung des Roboters.



Teilen Sie Ihre Kreation mit der Welt und gewinnen Sie ein Level 2 „Scratch the Surface“-Abzeichen

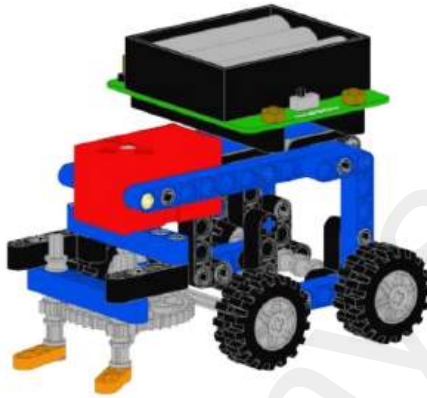
Laden Sie im Projektbereich der Avishkaar-App Fotos oder Videos Ihres Projekts hoch, um das Level- 2-Abzeichen „Scratch the Surface“ zu erhalten.

Alle Ihre Sammlungen ansehen
Abzeichen im Abschnitt „**Erfolge**“ Ihres Profils auf www.avishkaar.cc. Entdecken Sie alle anderen Abzeichen, die Sie sammeln möchten, und gewinnen Sie sie alle!



Projekt 3: Schneepflug

Lasst uns bauen!



Dinge, die wir brauchen



11 Uhr
Strahl
x2



7 Stunden
Strahl
x4



3 Stunden
Strahl
x2



7H L-Träger
x2



5HT
Strahl
x4



1Cx4H
L-Träger
x4



2Cx1H
Dünnschraube
x2



Frontal
Zahnrad
40T x 1



Stirnradschnecke
Rad-8T x 2



3Hx4 Stift
Anschluss
x2



Füllung
Achsen-groß
x11



Füllung
Achsen -
klein
x3

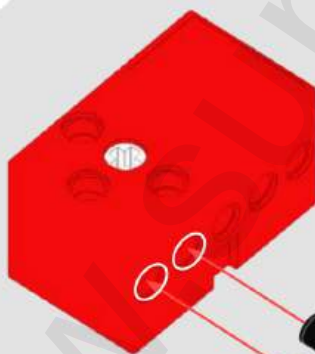


1

1:1



Kurzer Stift gelb

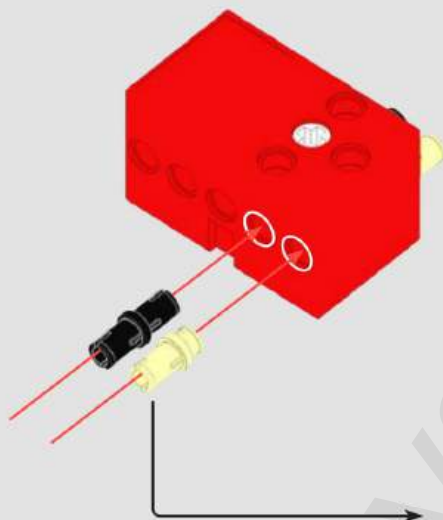


2

1:1

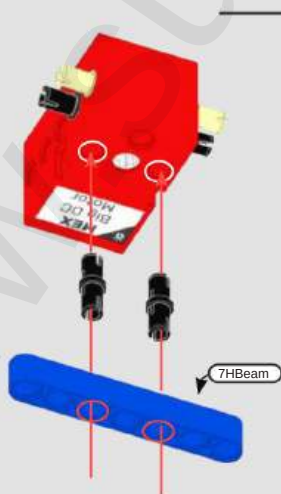


Kurzer Stift gelb

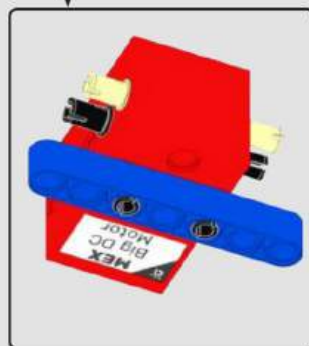


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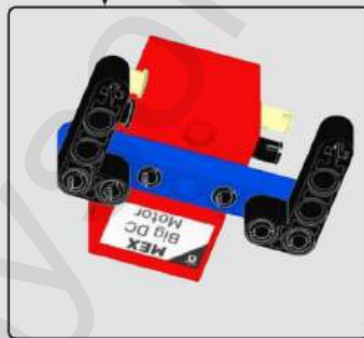
↻ Frontansicht unten rechts



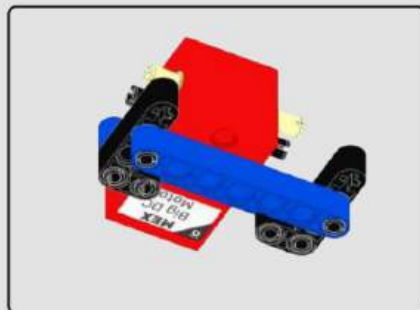
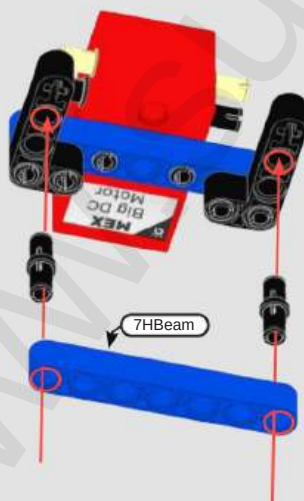
7HBeam



4



5



6

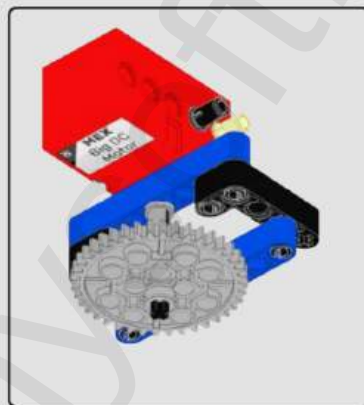
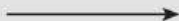


Rückansicht unten links

1:1



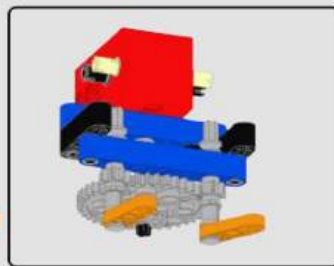
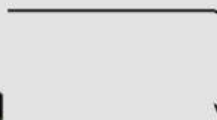
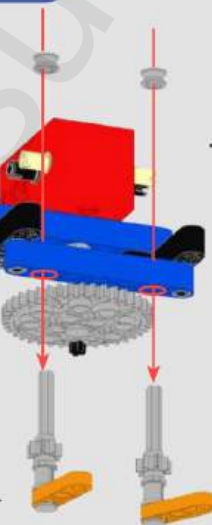
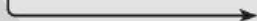
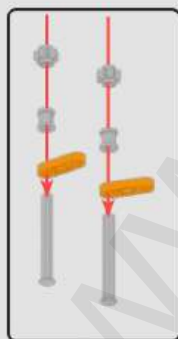
6H-Heilmittel



7



Frontansicht unten links

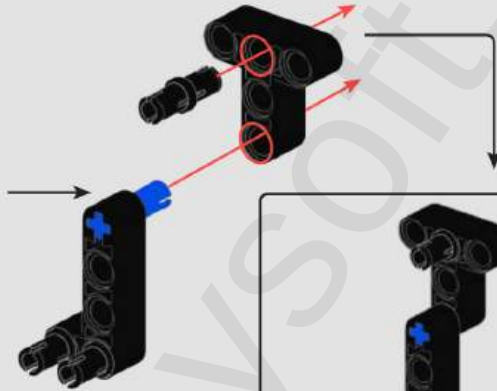
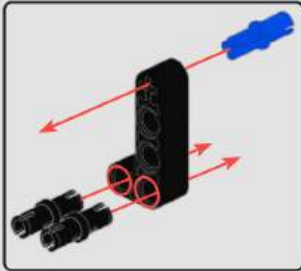


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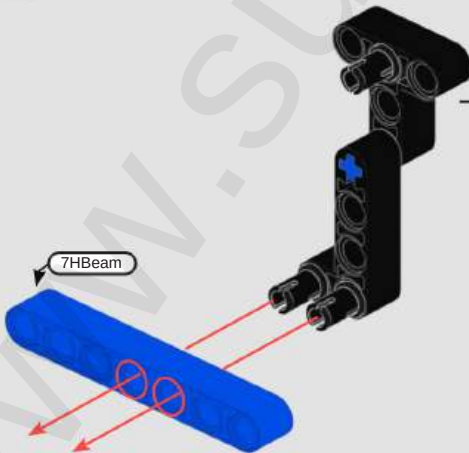
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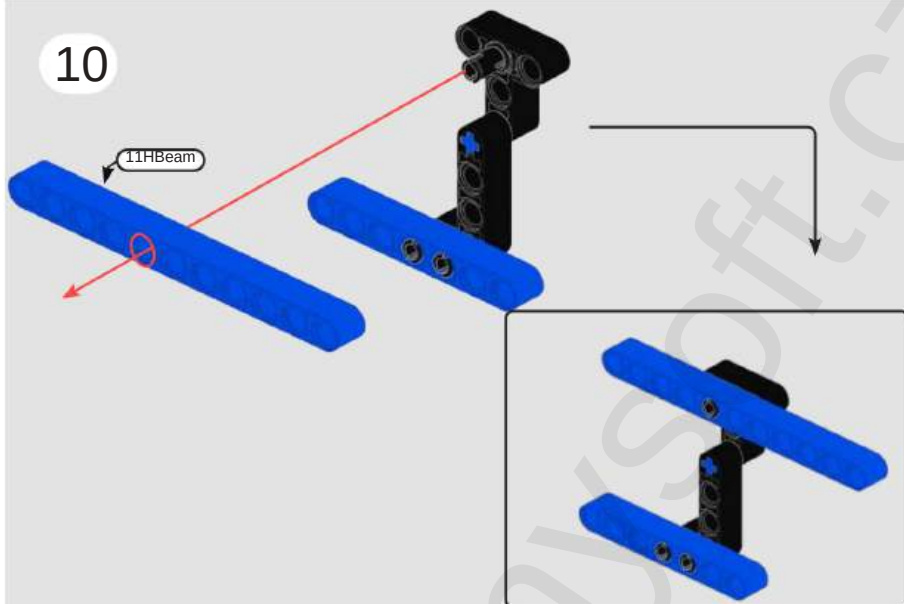
Mittelachsenstift blau



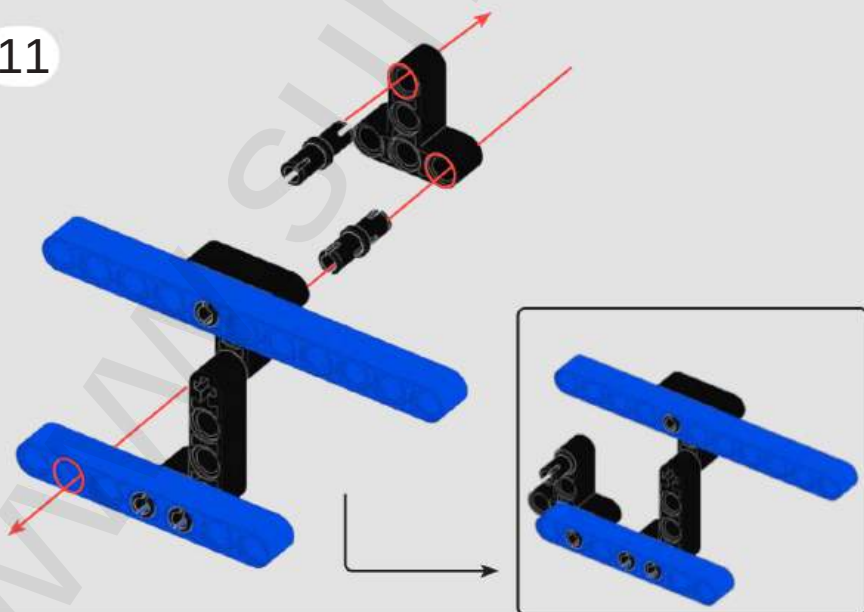
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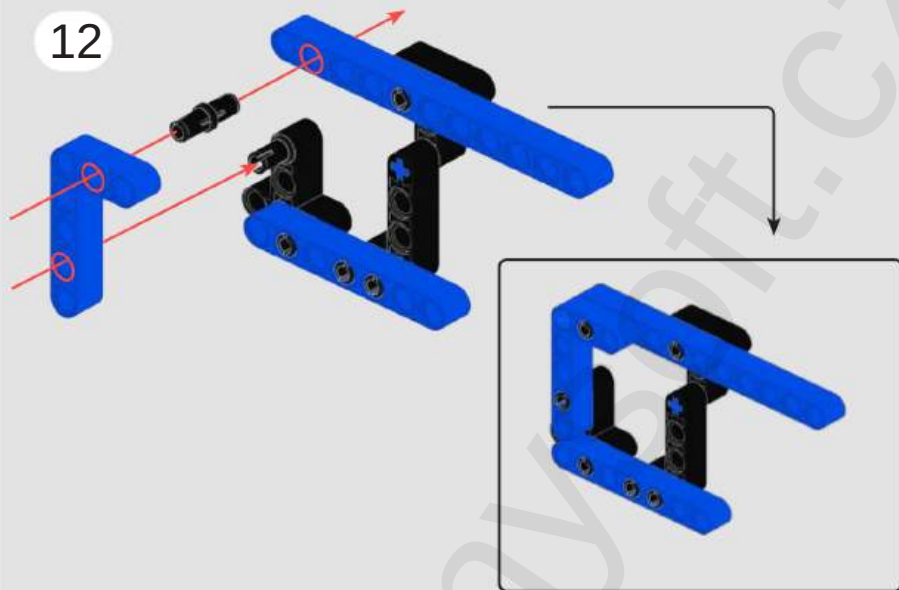
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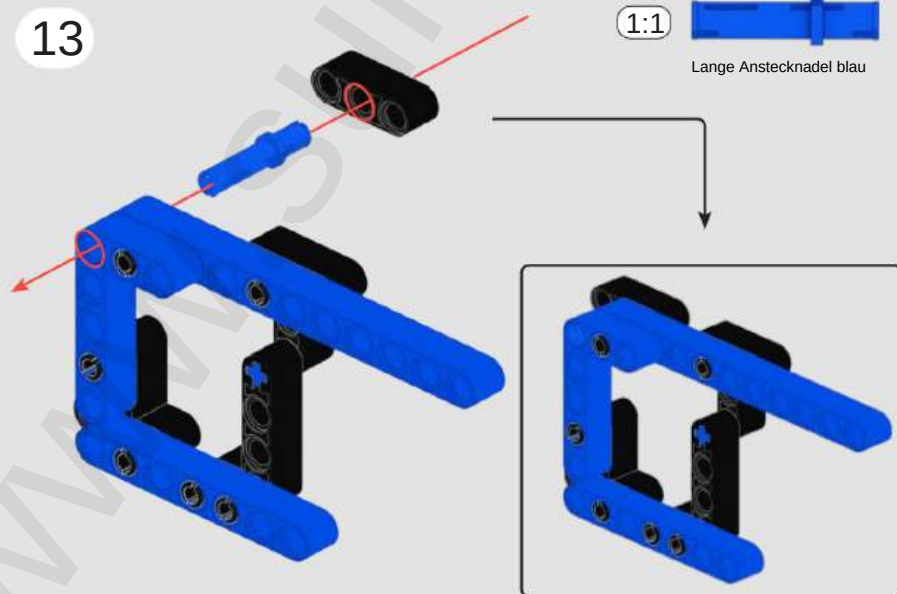
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12



13



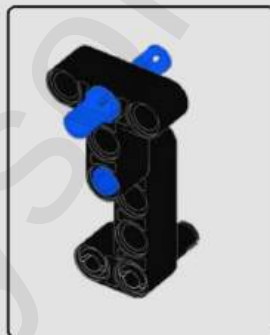
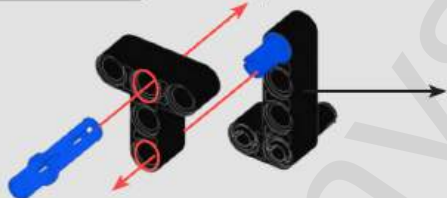
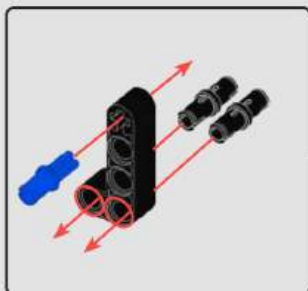
14

Machen wir die andere Seite.

1:1

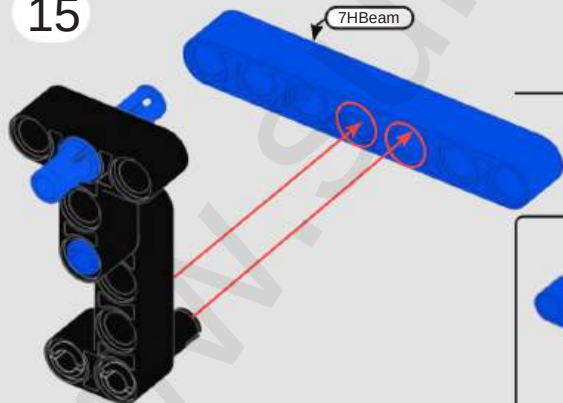


Mittelachsenstift blau

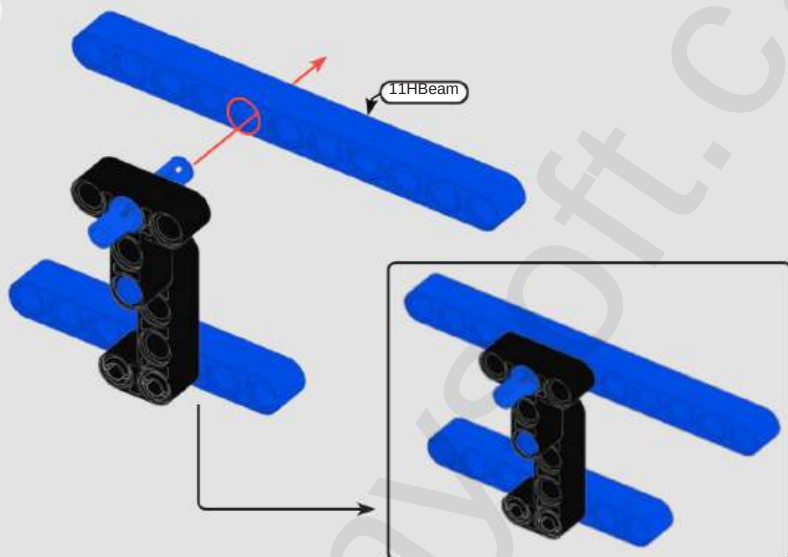


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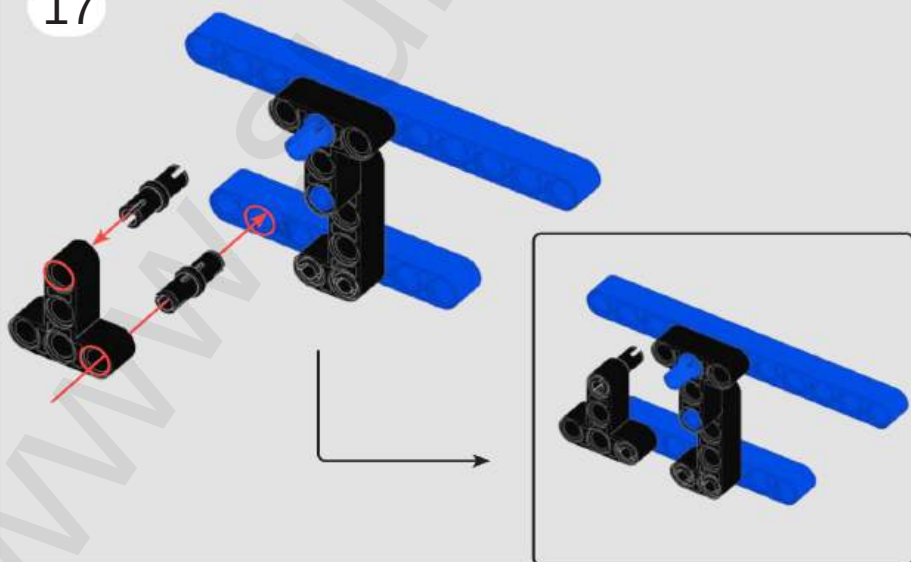
7HBeam



16



17

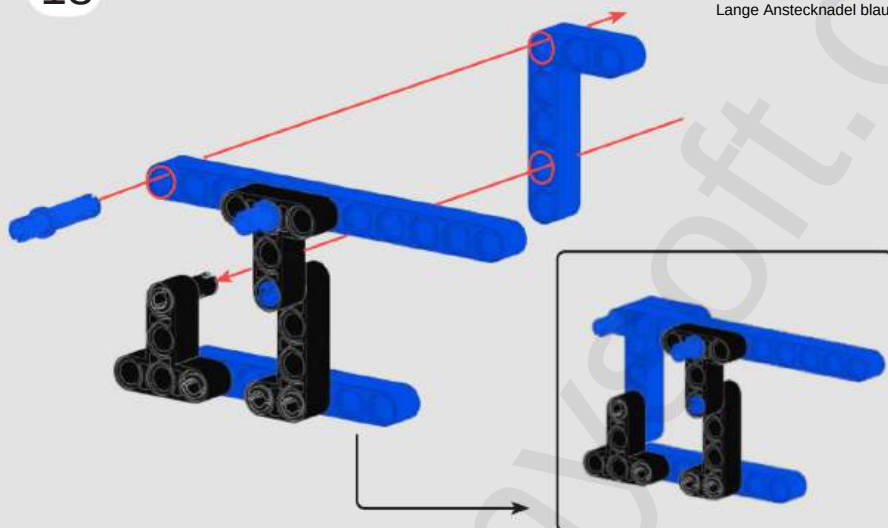


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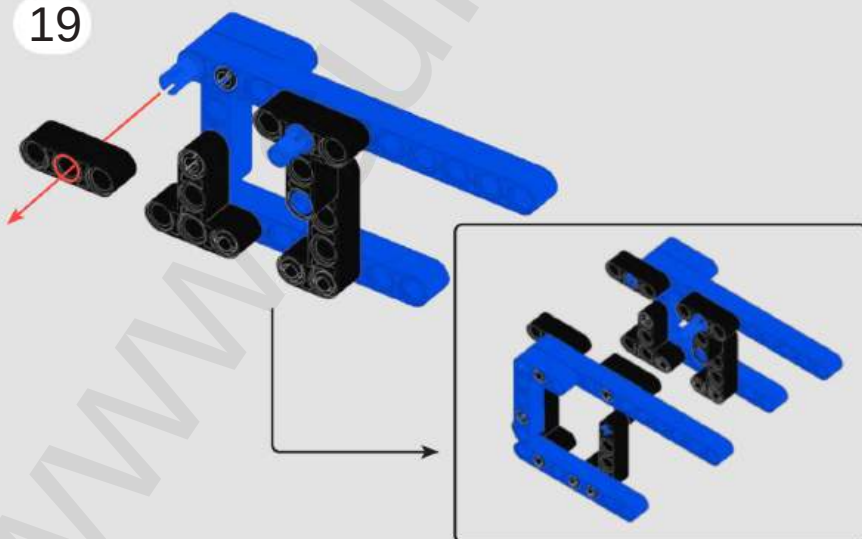
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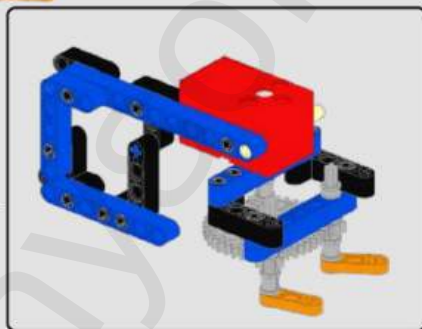
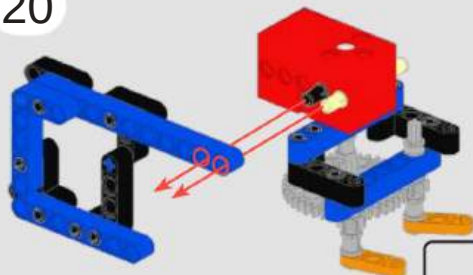
Lange Anstecknadel blau



19

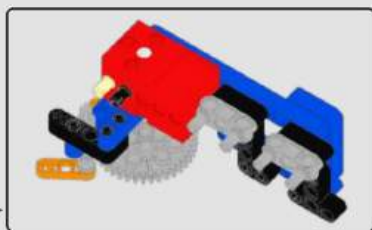
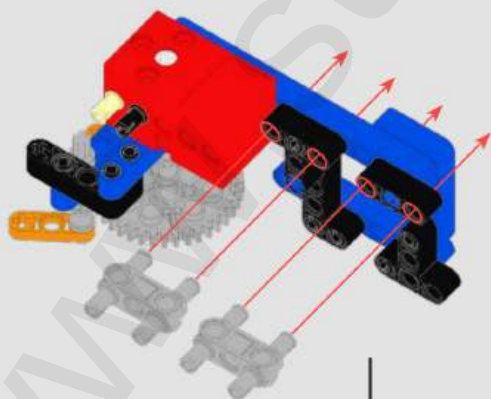


20



21

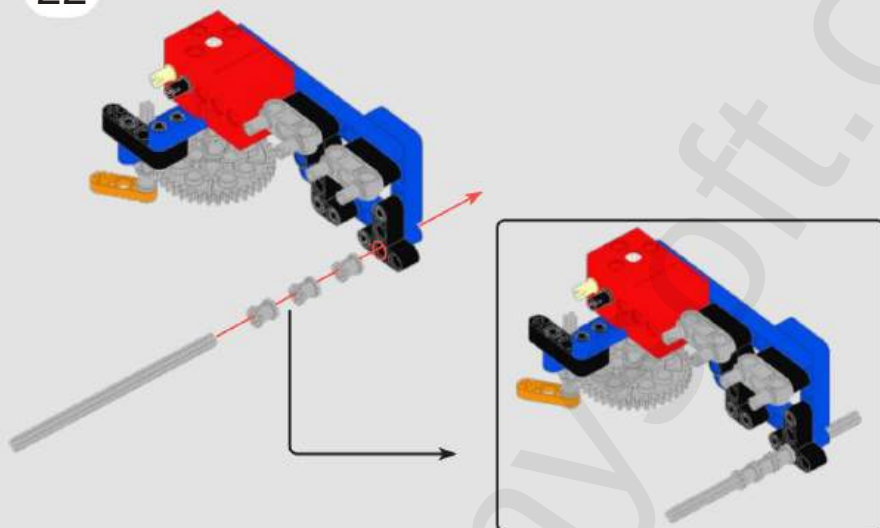
Draufsicht von hinten rechts



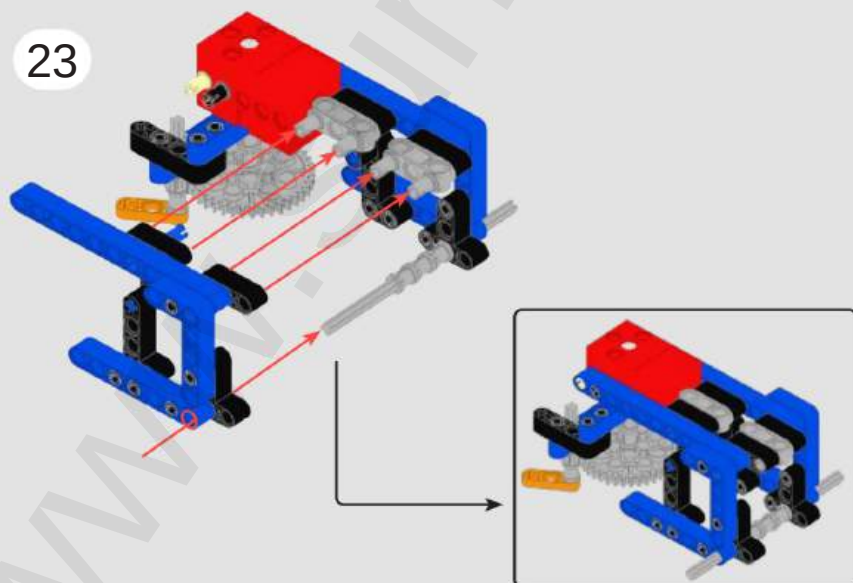
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1:1

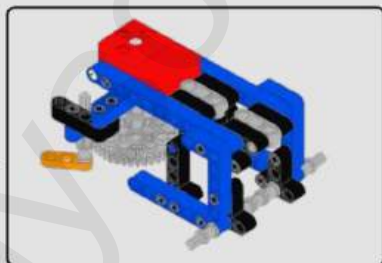
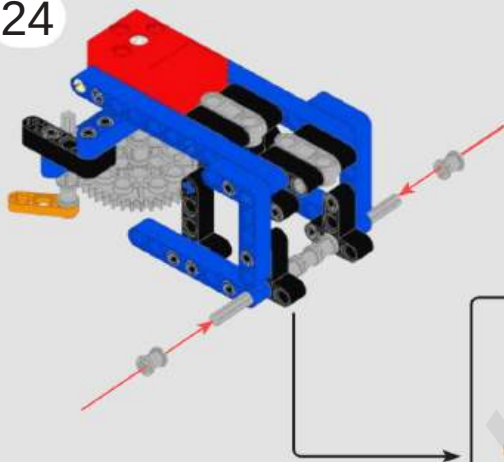
11H-Heilmittel



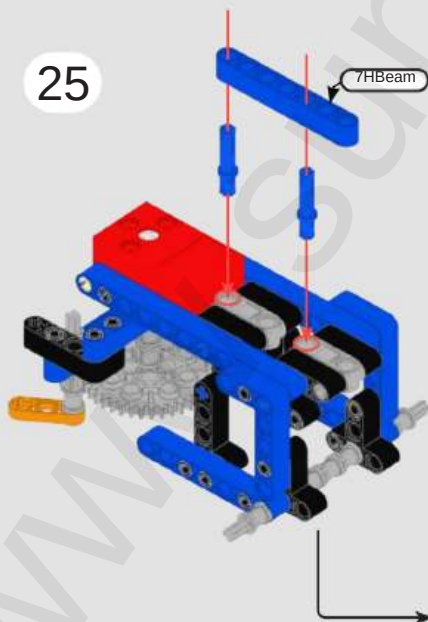
23



24



25

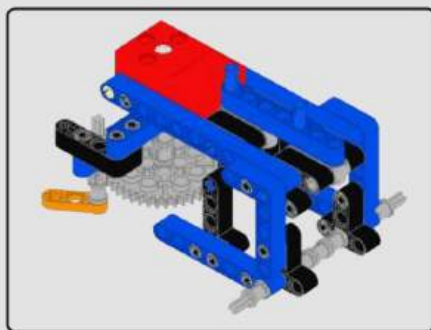


7HBeam

1:1



Lange Anstecknadel blau

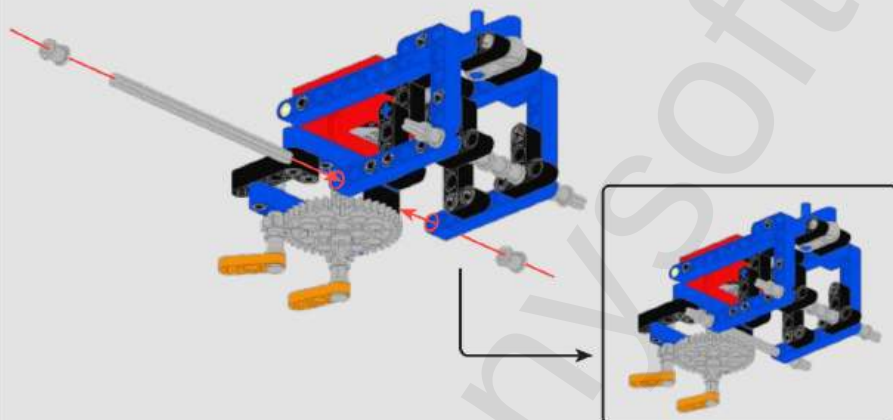


26

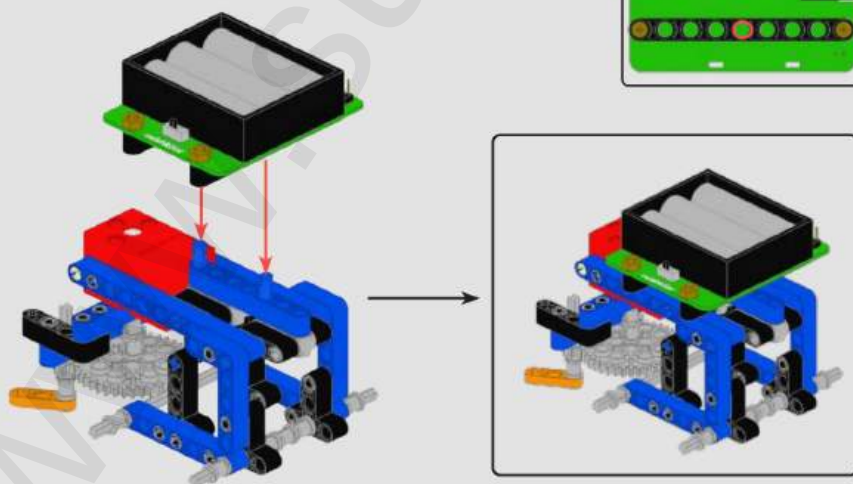
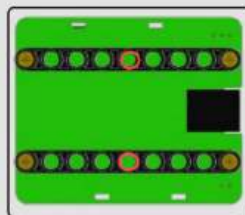
 Rückansicht unten rechts

1:1

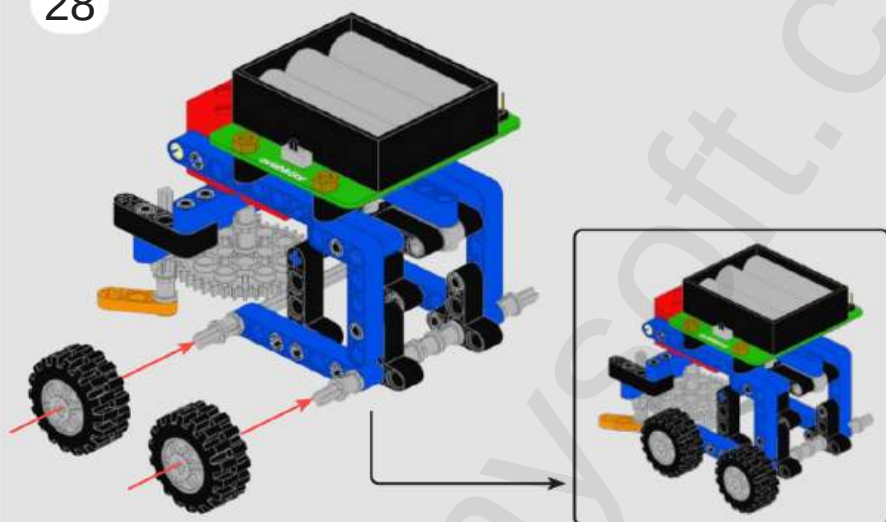
11H-Heilmittel



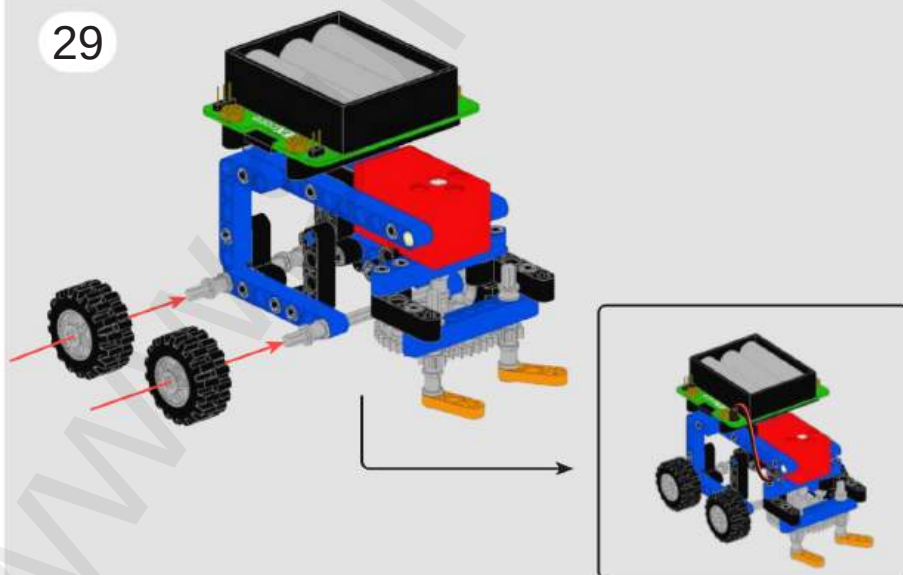
27

 Draufsicht von hinten rechts


28



29



Herzlichen Glückwunsch zum Abschluss dieses Projekts!

Sie spielen gerne damit und
Avishkaar-Mobil-App?

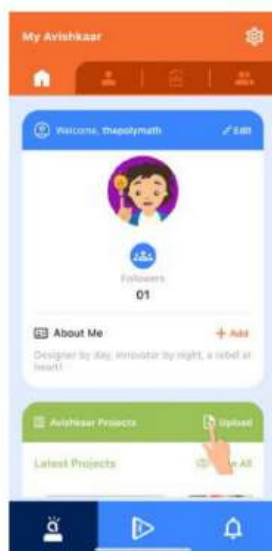
Auf Seite 8 finden Sie detaillierte
Anweisungen zum Herunterladen
der App und zur Steuerung des Roboters.



Teilen Sie Ihre Kreation mit der Welt und gewinnen Sie ein Level 2 „Scratch the Surface“-Abzeichen

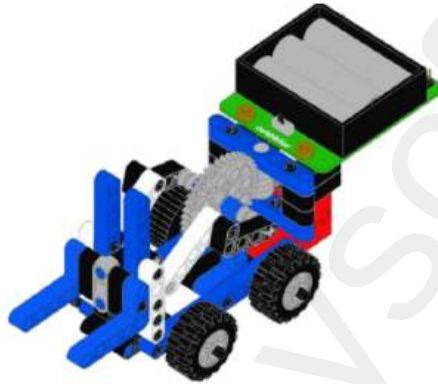
Laden Sie im Projektbereich der Avishkaar-App Fotos oder Videos Ihres Projekts hoch und gewinnen Sie ein „Scratch the Surface“-Abzeichen der Stufe 2 .

Alle Ihre Sammlungen ansehen
Abzeichen im Abschnitt **„Erfolge“** Ihres Profils auf www.avishkaar.cc. Entdecken Sie alle anderen Abzeichen, die Sie sammeln möchten, und gewinnen Sie sie alle!



Projekt 4: Gabelstapler

Lasst uns bauen!



Dinge, die wir brauchen



11 Uhr
Strahl
x2



7 Stunden
Strahl
x4



5 Stunden
Strahl
x4



3 Stunden
Strahl
x7



7 Stunden
L-Träger
x4



1Cx4H
L-Träger
x6



5HT
Strahl
x2



Frontal
Zahnrad
40T x 1



Schnecke
Getriebe - groß
x 1



3Hx4Pin
Konekor
x2



Füllung
Achsen-groß
x4



Füllung
Achsen -
klein
x4



5H abgedeckt
Korrektur
x 1



7 Stunden
Abhilfe
x 1



10 Stunden
Abhilfe
x2



Kurzer
Stift, gelb ,
2 Stück



Mittlerer
Stift -
schwarz x 22



Medium
Stift
grau
x 2



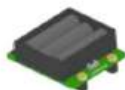
Lang
Pin-blau x 11



Mittelachsenstift
- blau x 2



Rad
x 4



Avishkaar
MEXCore
x 1



MEX groß
Gleichstrom
Motor
x 1

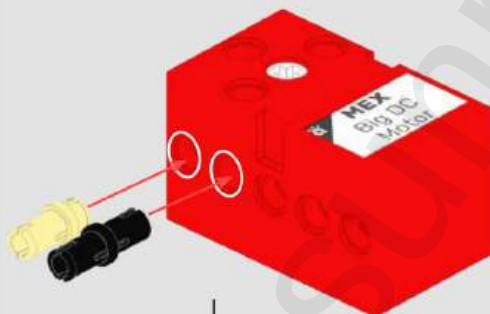
Schritt

1

1:1



Kurzer Pin gelb

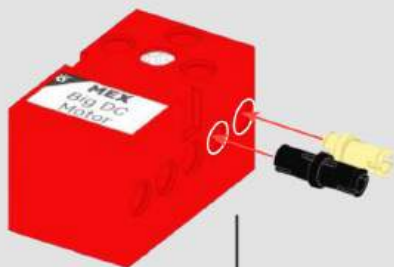


2

1:1

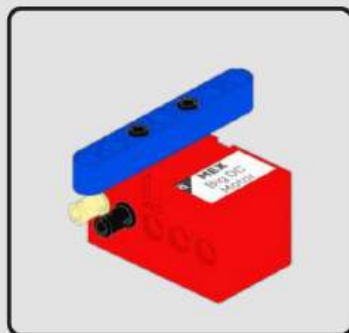


Kurzer Pin gelb

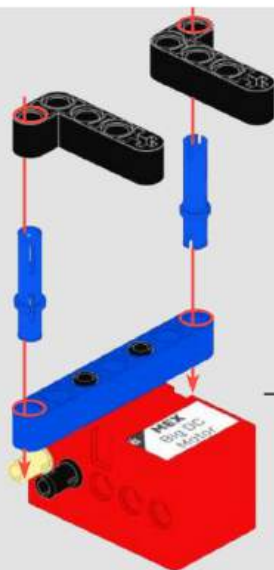


3

7HBeam



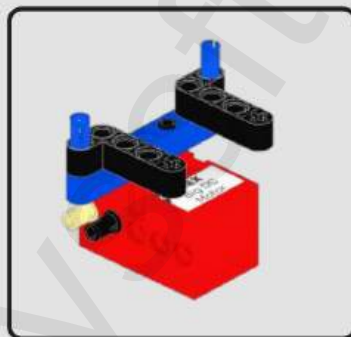
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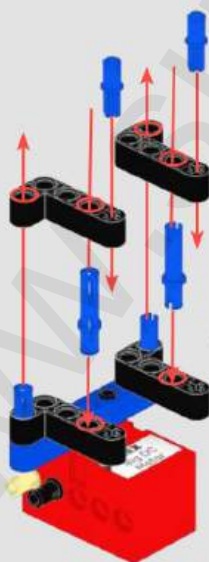
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Lange Anstecknadel blau



5

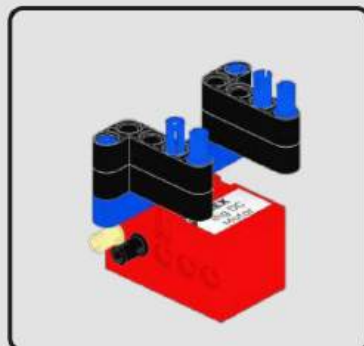


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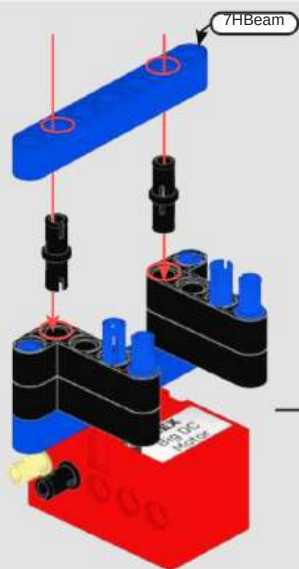


Lange Anstecknadel blau

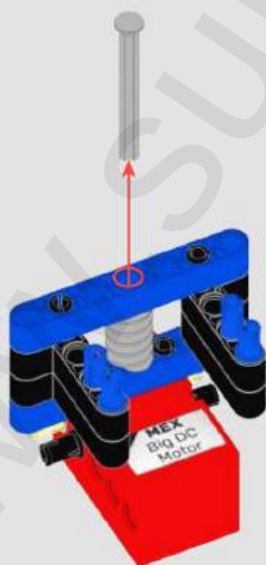
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Mittelachsenstift
Blau

6



7

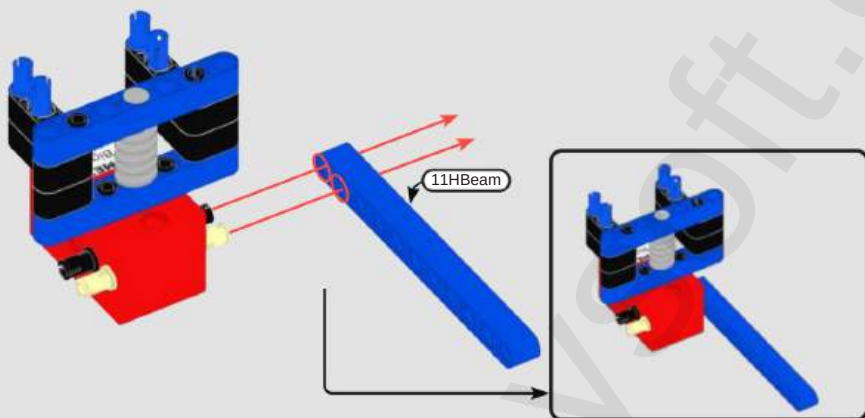


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5H abgedeckte Achse

8

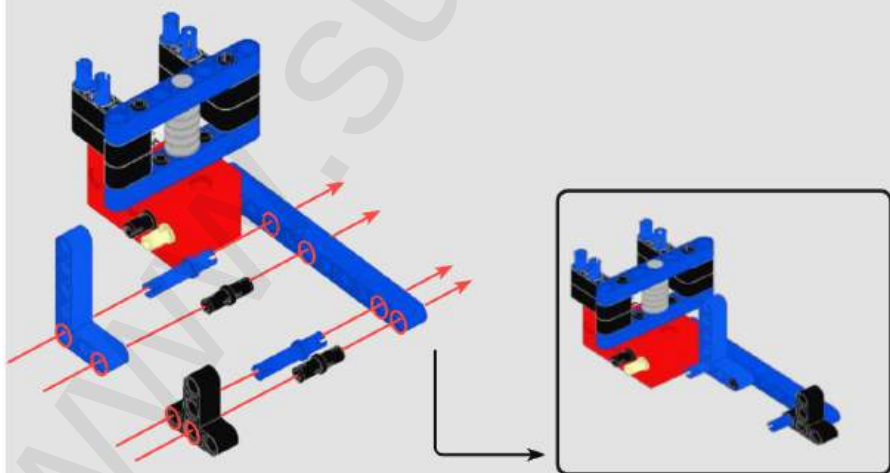


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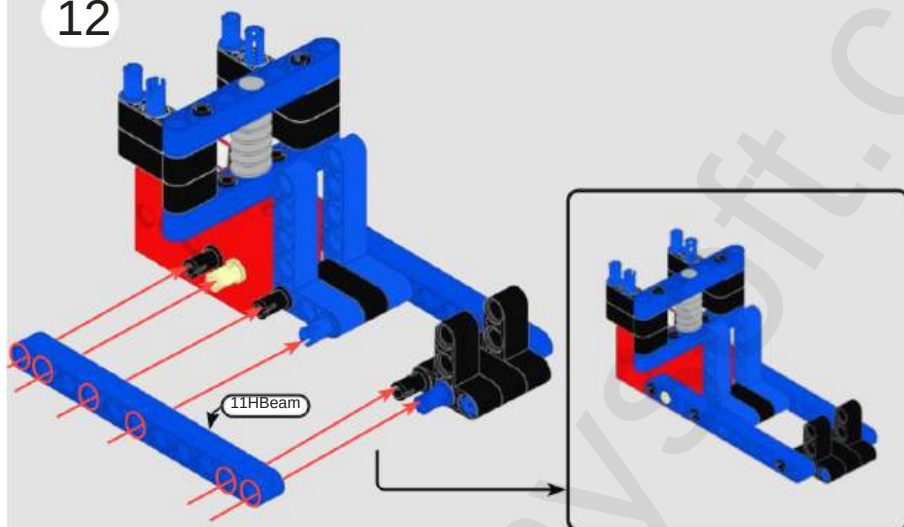
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Lange Anstecknadel blau



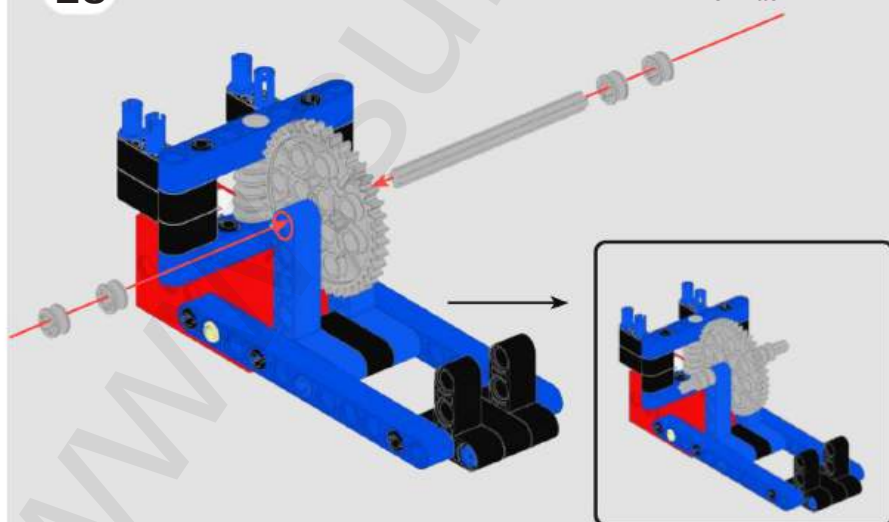
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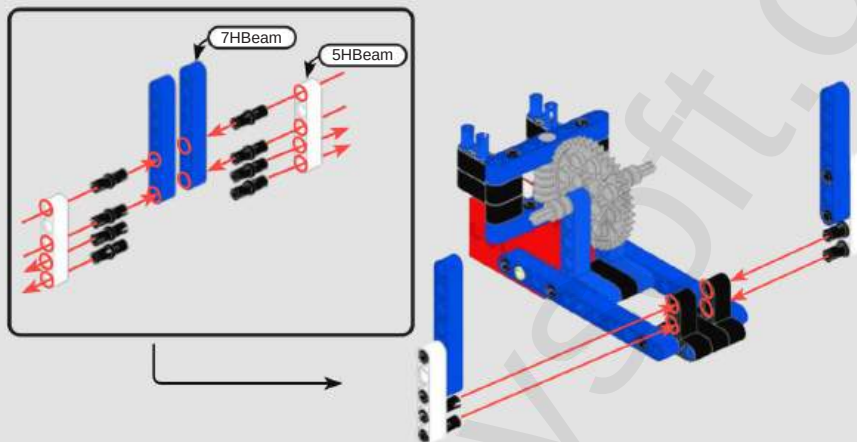
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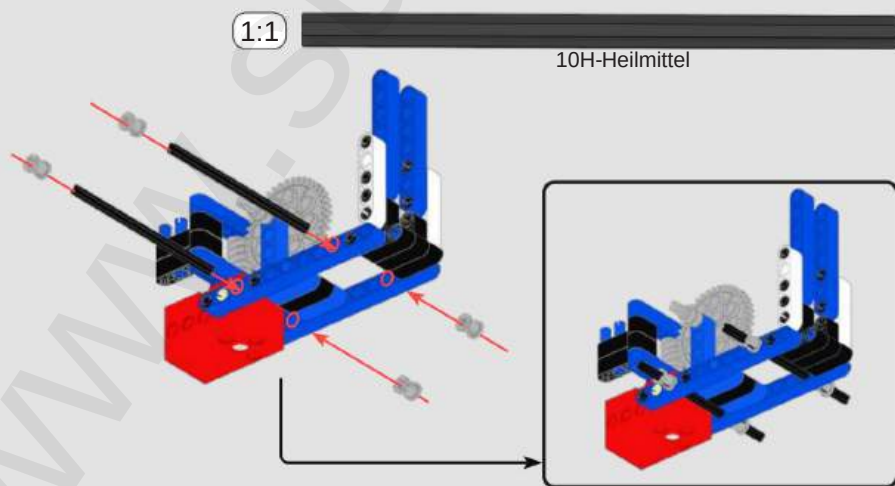
7H-Heilmittel



14



15 Frontansicht unten links

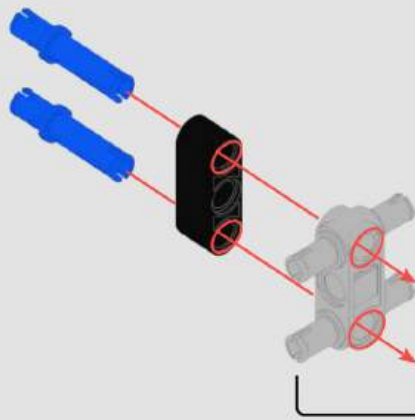


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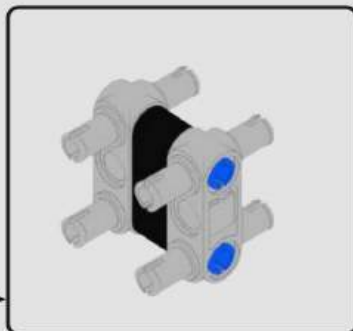
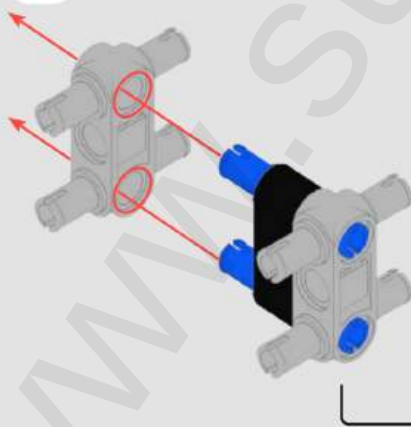
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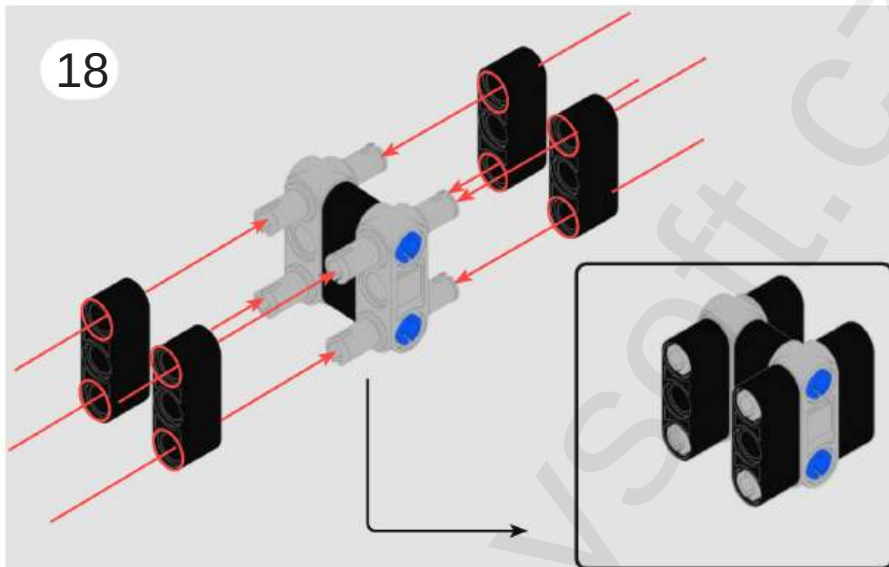
Lange Anstecknadel blau



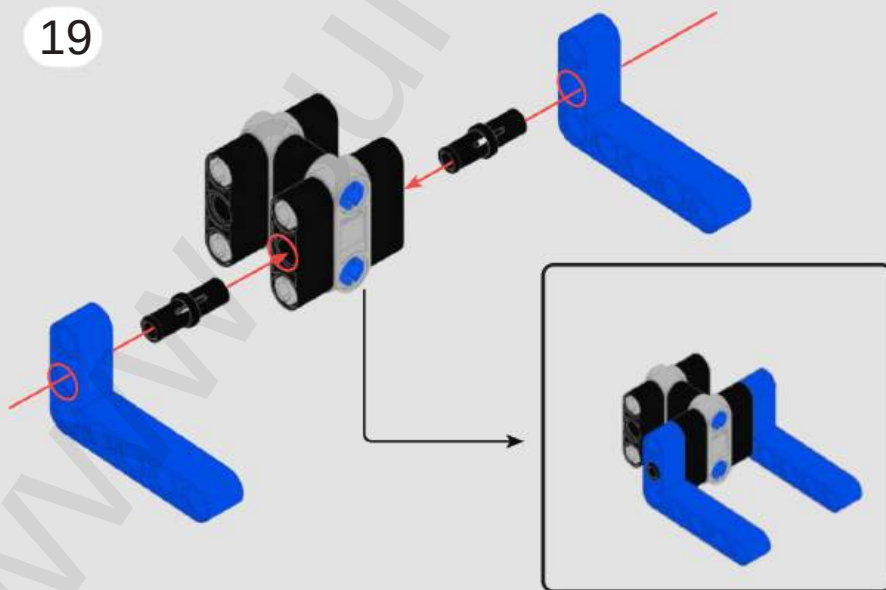
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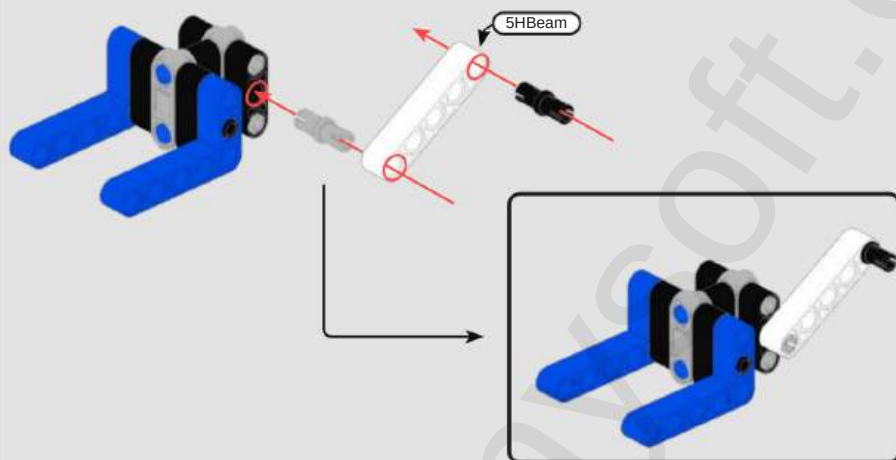
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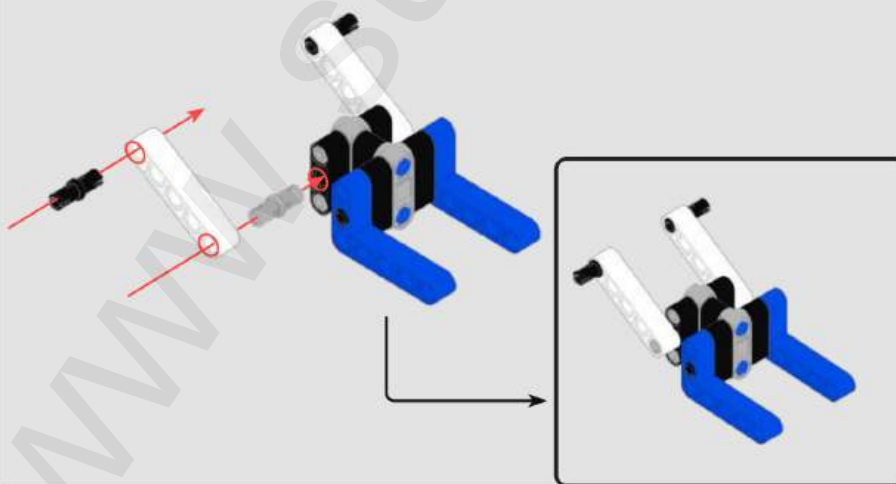
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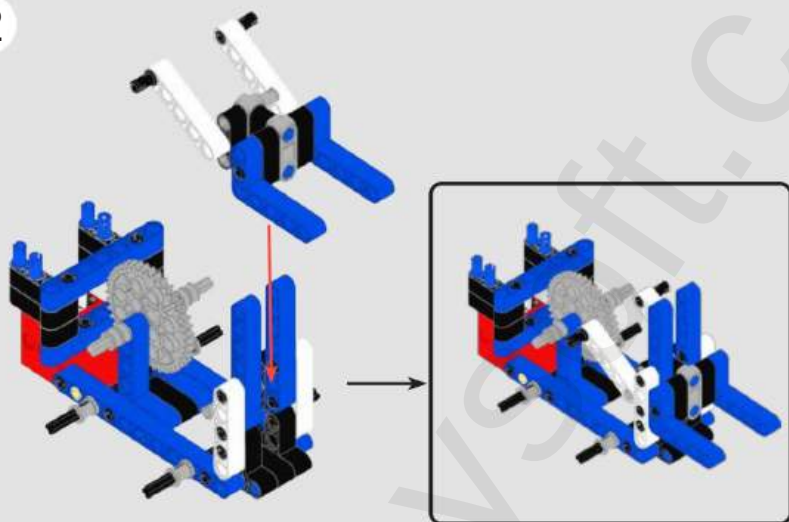
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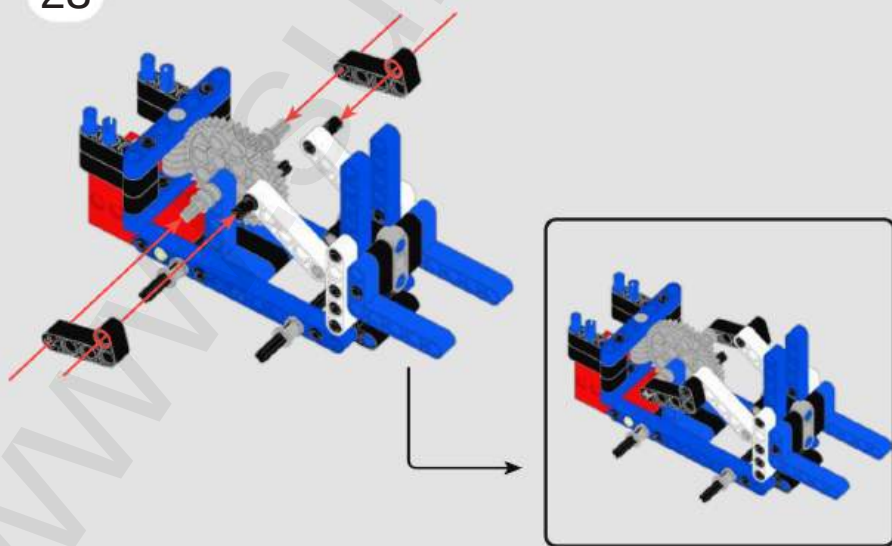
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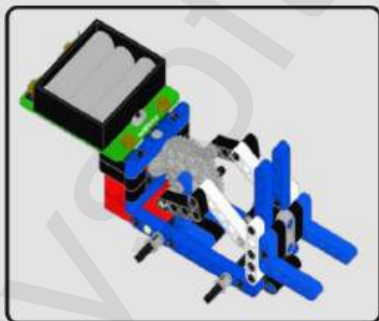
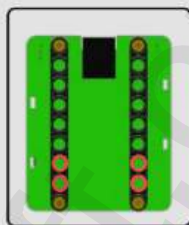
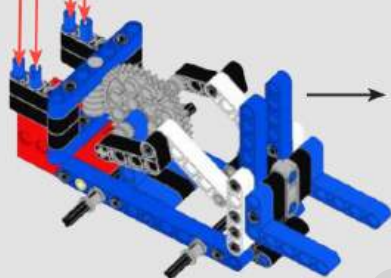
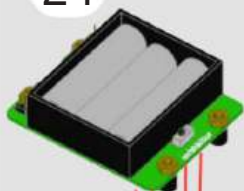
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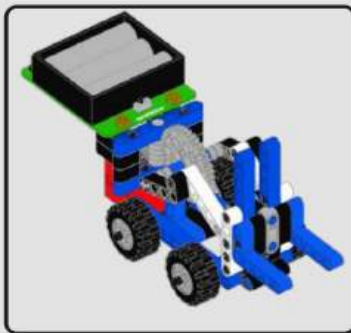
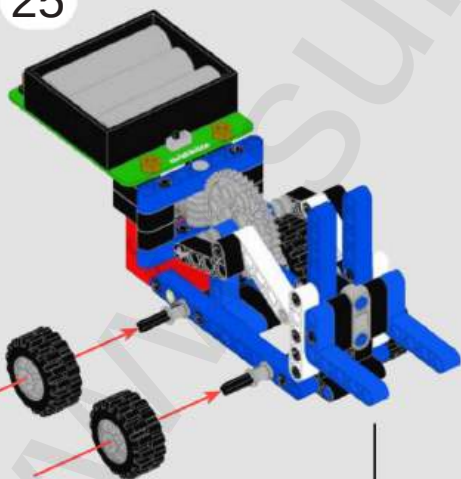
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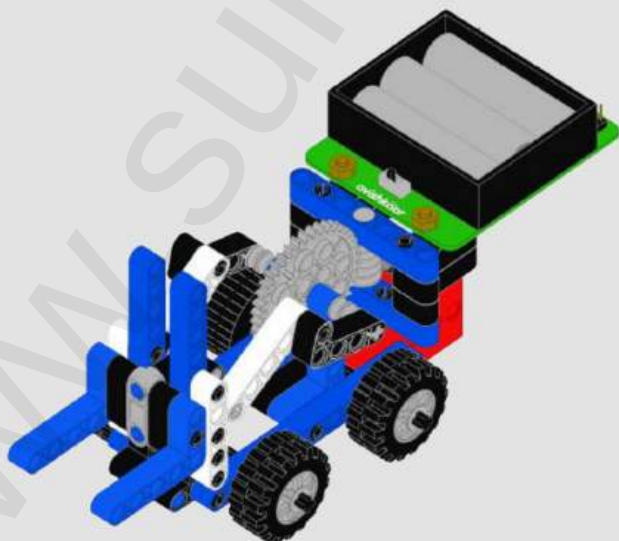
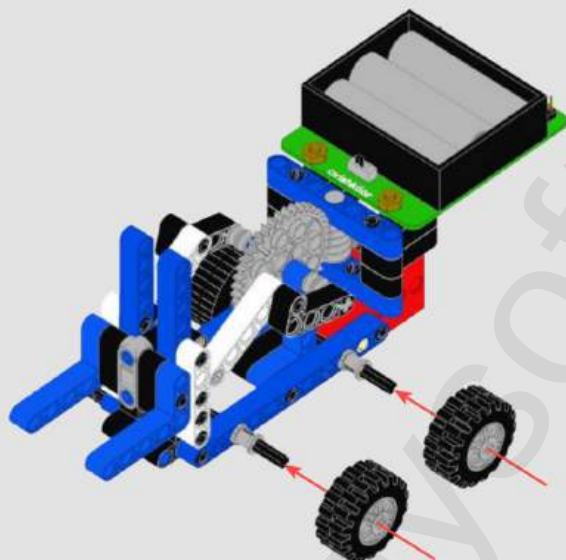
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25



26



Herzlichen Glückwunsch zum Abschluss dieses Projekts!

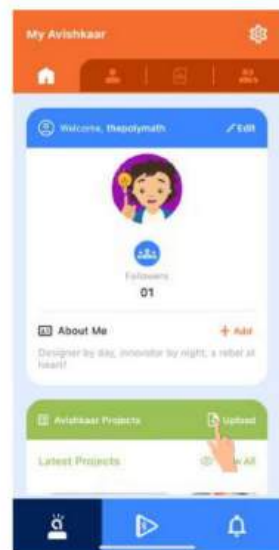
Sie spielen gerne damit und
Avishkaar-Mobil-App?
Auf Seite 8 finden Sie detaillierte
Anweisungen zum Herunterladen
der App und zur Steuerung des Roboters.



Teilen Sie Ihre Kreation mit der Welt und gewinnen Sie ein Level 3-Abzeichen „Scratch the Surface“

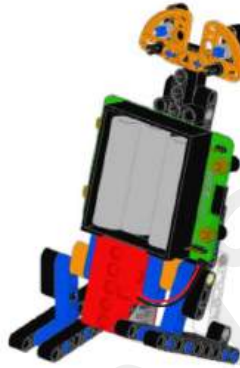
Laden Sie Fotos oder Videos Ihres Projekts über den Projektbereich der Avishkaar-App hoch, um das Level- 3- Abzeichen „Scratch the Surface“ zu erhalten.

Alle Ihre Sammlungen anzeigen
Abzeichen findest du im Abschnitt „Erfolge“
deines Profils auf www.avishkaar.cc. Entdecke
alle anderen Abzeichen, die du sammeln
möchtest, und gewinne sie alle!



Projekt 5: Dobby Roboter

Lasst uns bauen!



Dinge, die wir brauchen



9H Strahl x
6



7 Stunden
L-Träger x
4



1Cx1H
Strahl x
2



Achsfüller
-
klein x 2



Lange
Stecknadeln,
blau, 10 Stück



5H Strahl x
4



1Cx4H
L-Träger x
4



2Cx1
Dünnstrahl x 1



3H-Achse x 2



Mittlerer Stift
schwarz x 18



3 Stunden
Strahl
x4



5HT
Strahl
x2



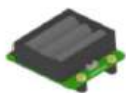
3Hx4Pin
Anschluss
x2



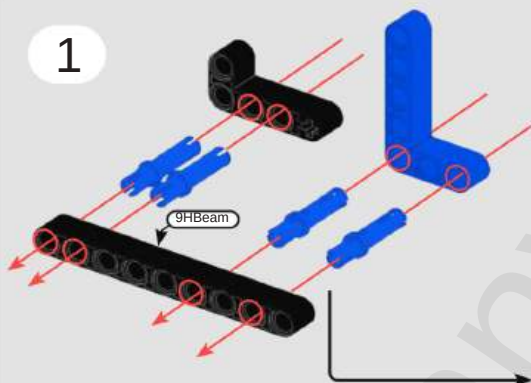
Kurz
Pin-gelb
x 1



Mittelachsstift -
blau x 4

Mittlerer **Stift**grau
x 4Avishkaar
MEXCore x
1MEX groß
Gleichstrom
Motor x 1Lange
Stecknadel,
gelb , 2 Stück3Cx2H
Dünn -D x
2

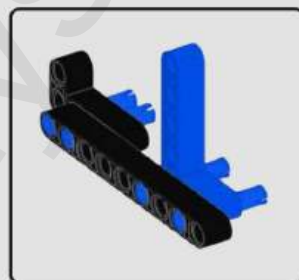
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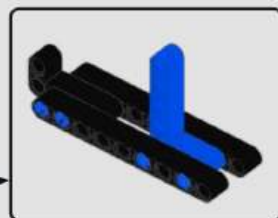
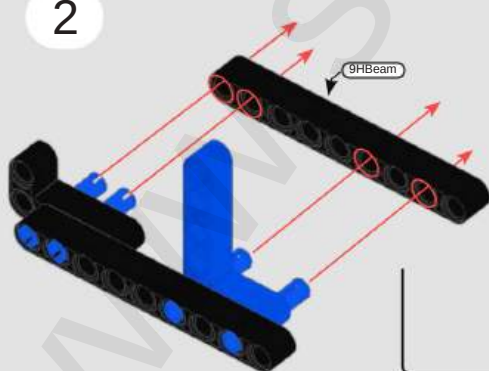
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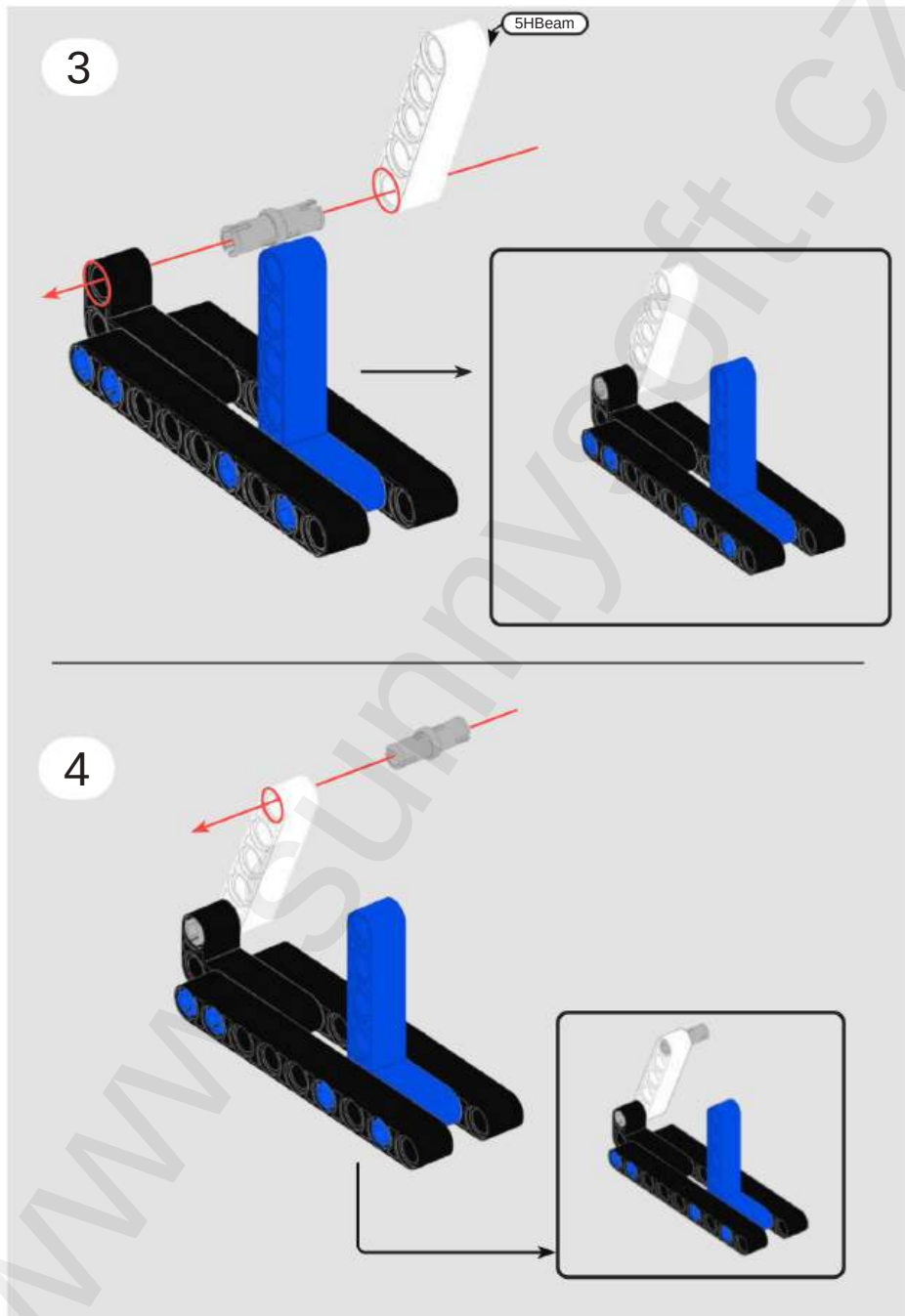


Longpin-blau

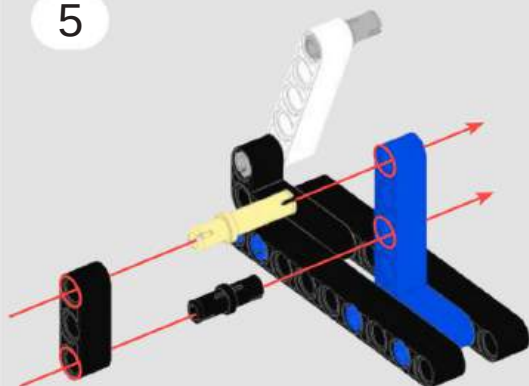


2





5



1:1

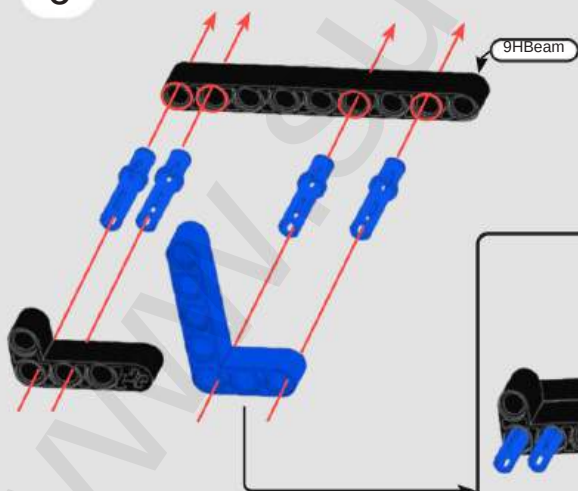


Lange Stecknadel-gelb



6

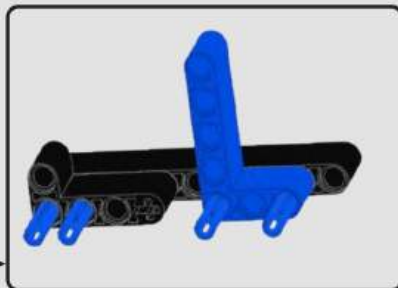
Machen wir die Spiegelseite.



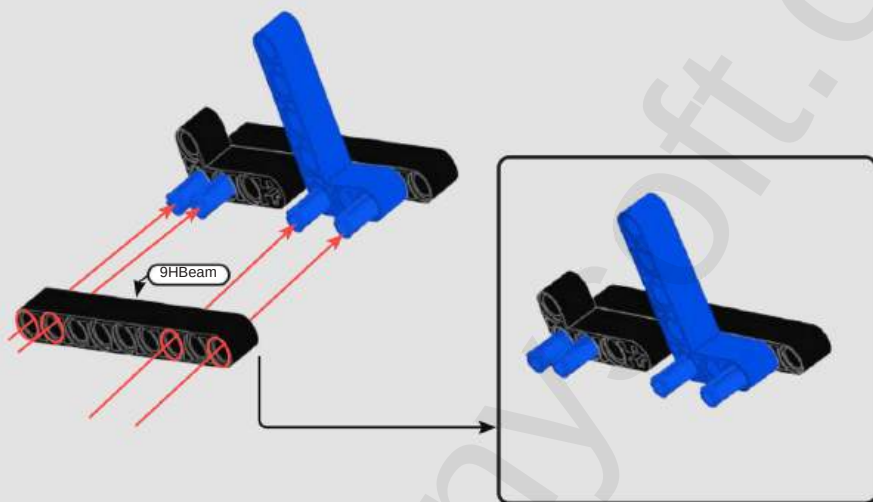
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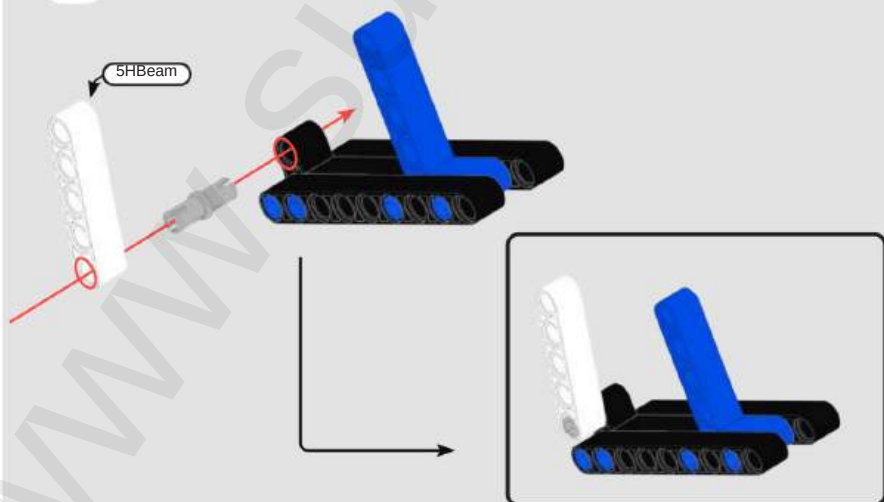
Lange Anstecknadel - blau



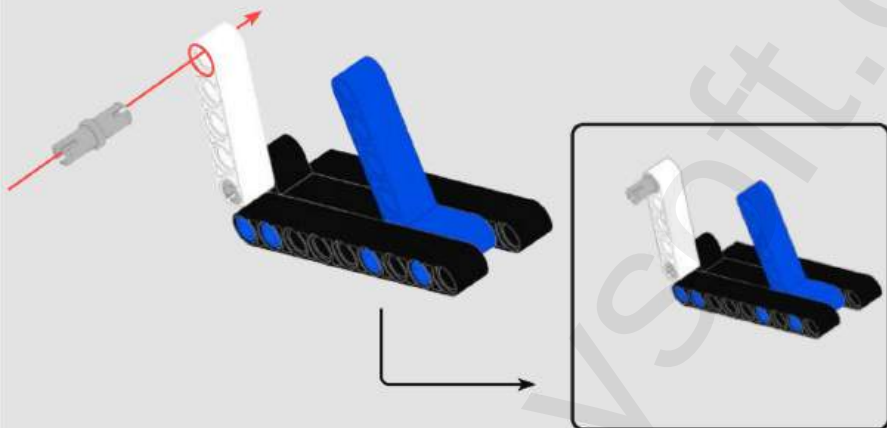
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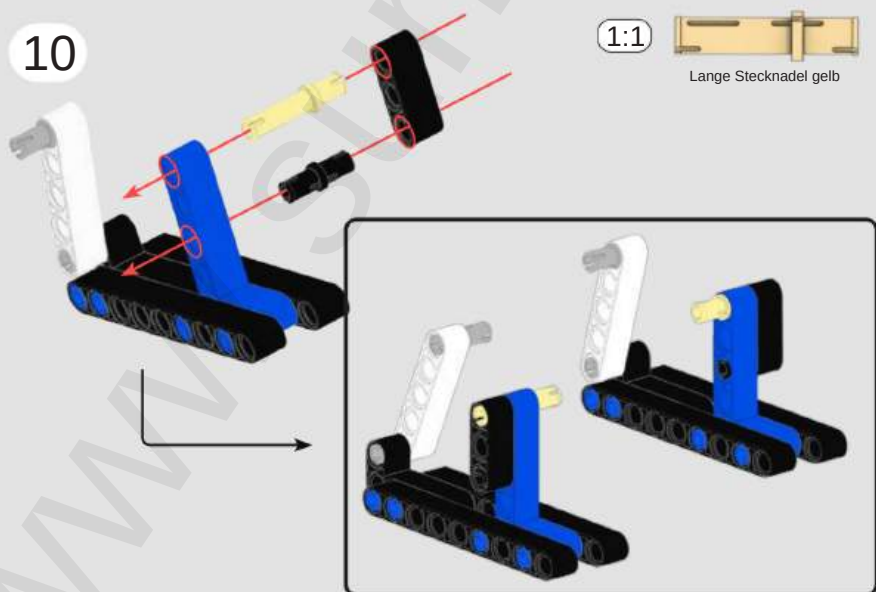
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9



10

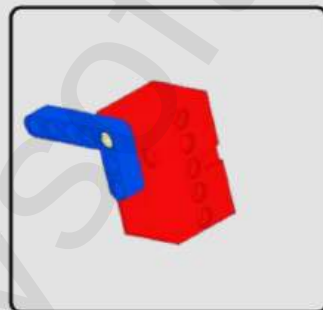
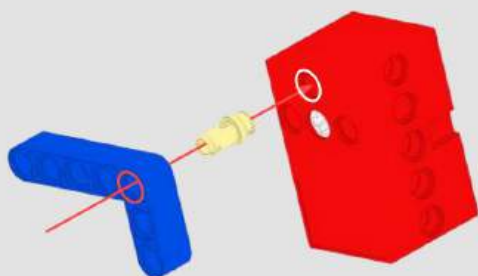


11

1:1



Kurzer Stift gelb

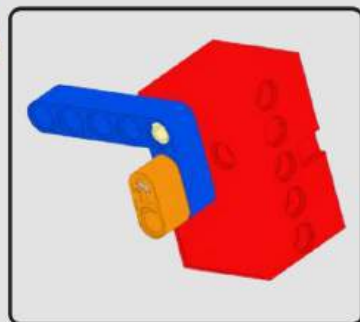
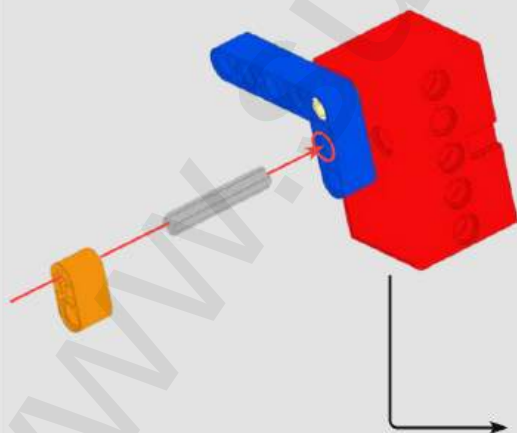


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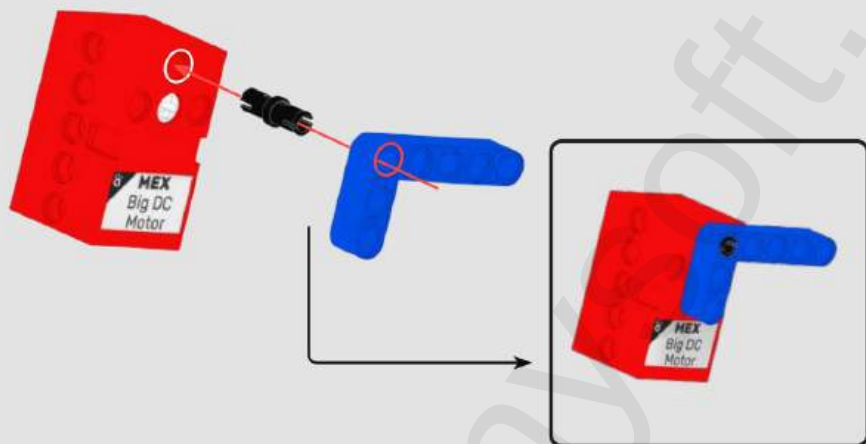
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3H-Heilmittel



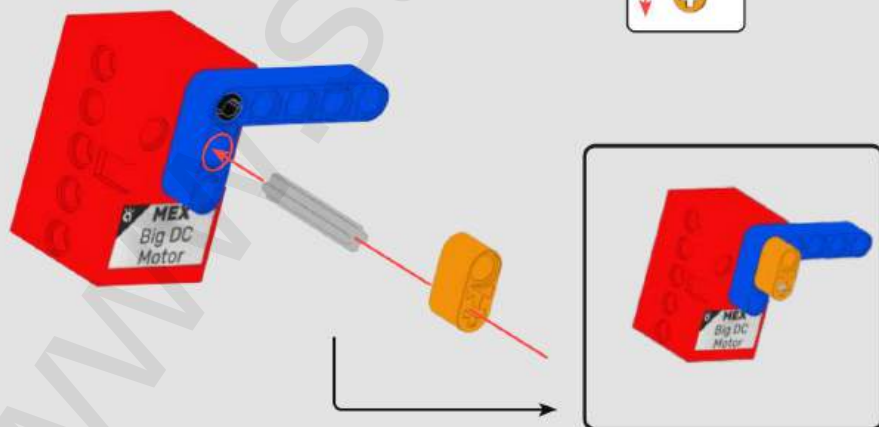
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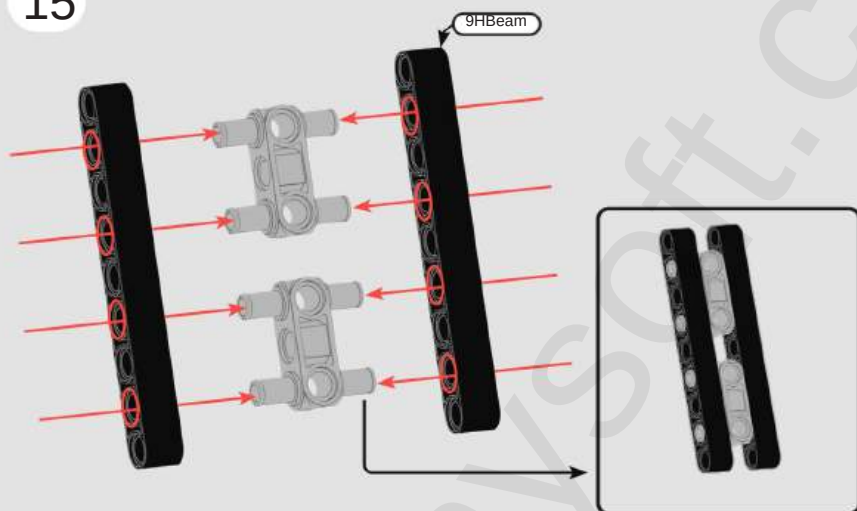
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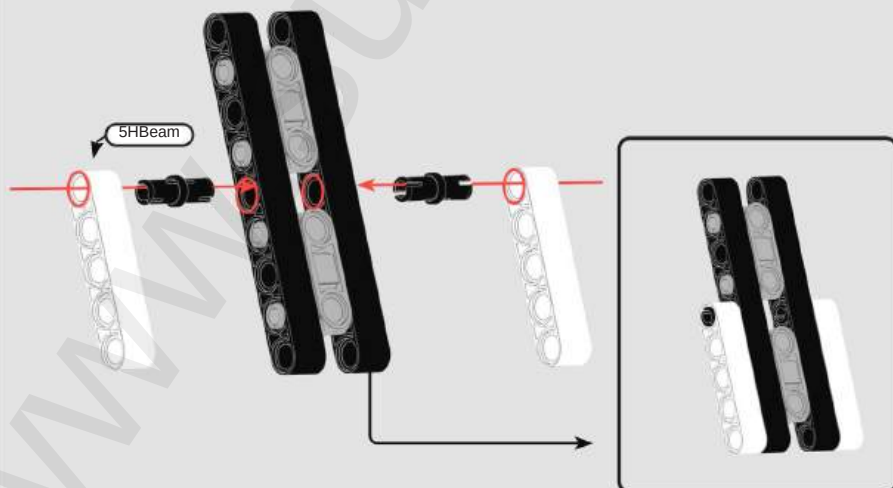
3H-Heilmittel



15



16

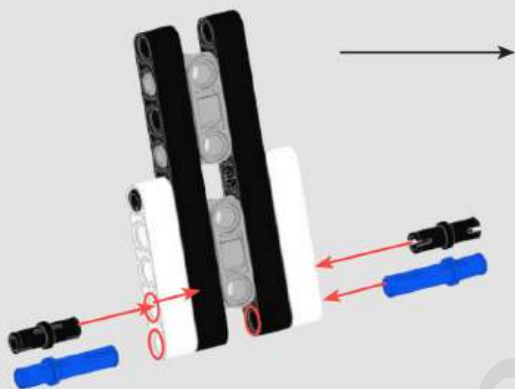


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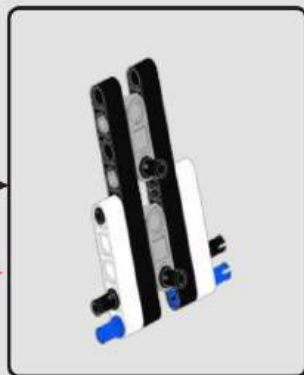
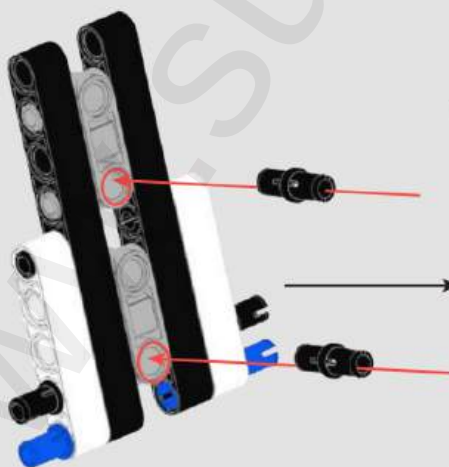
1:1



Lange Anstecknadel blau



18

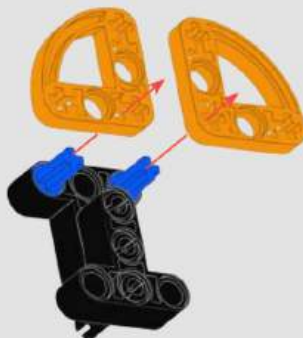
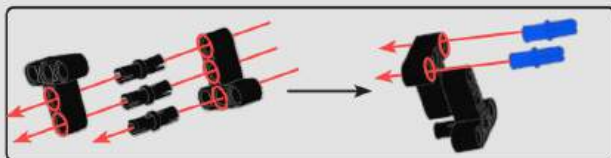


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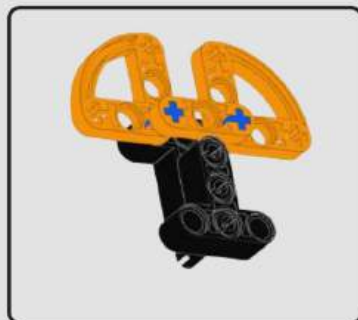
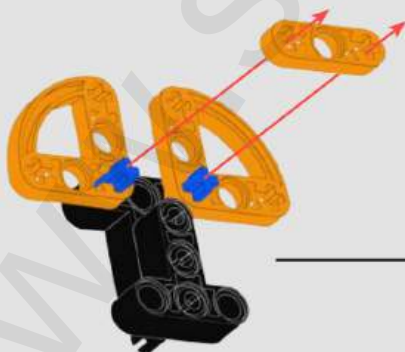
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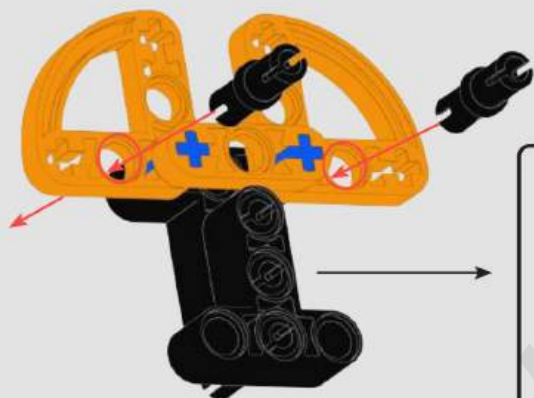
Mittelachsenstift
blau



20



22

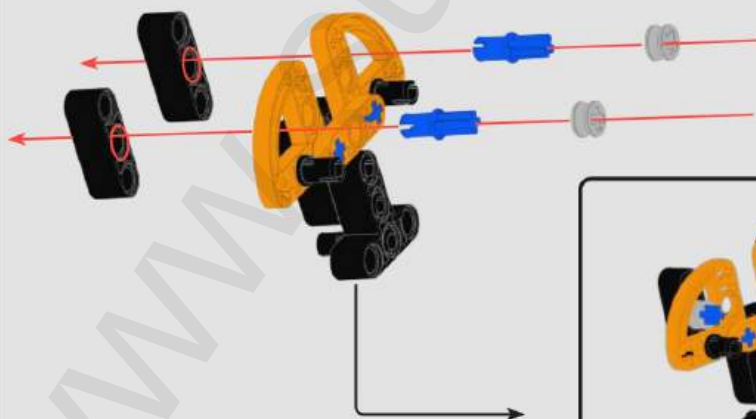


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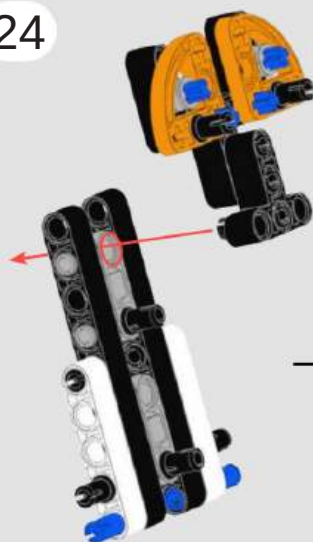
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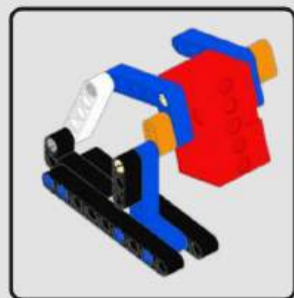
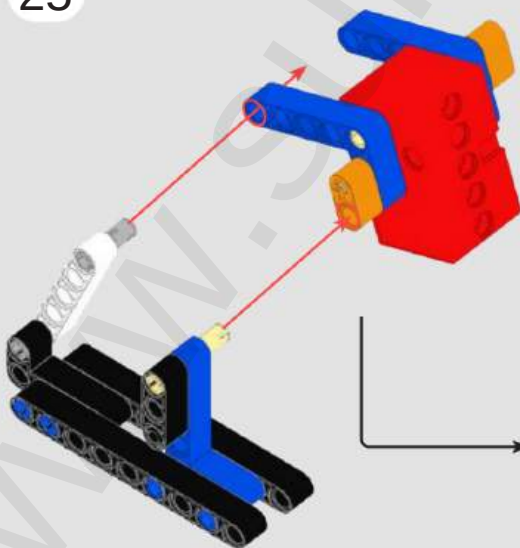
Mittelachsenstift blau



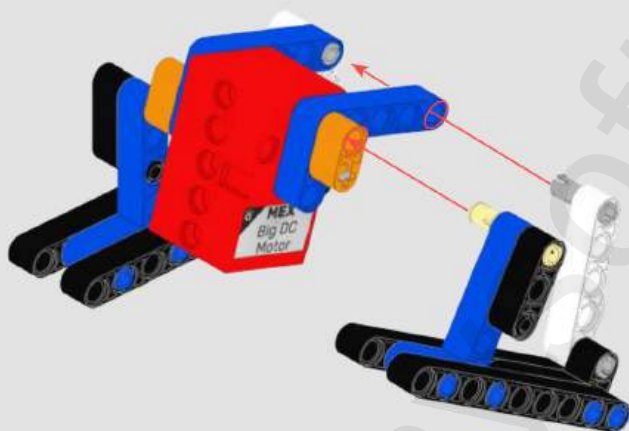
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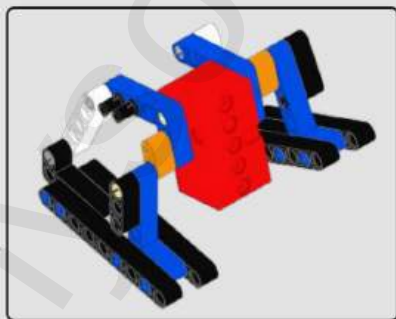
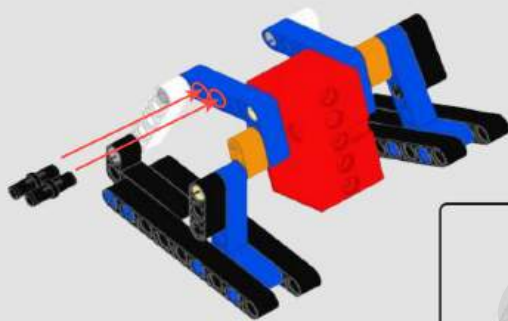
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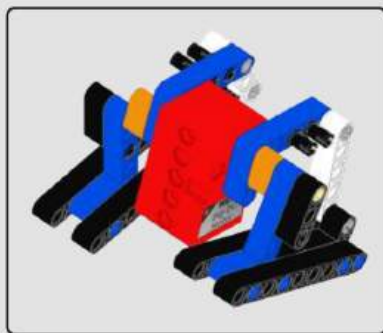
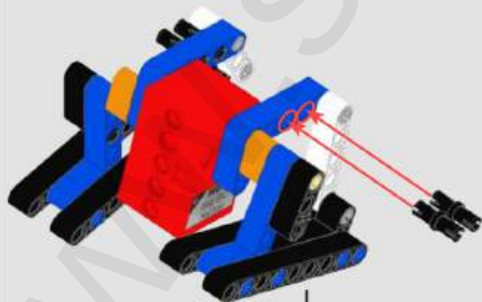
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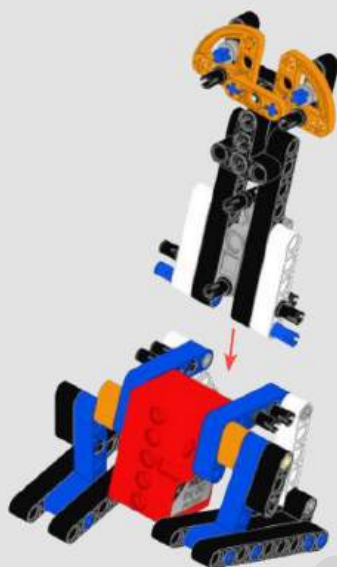
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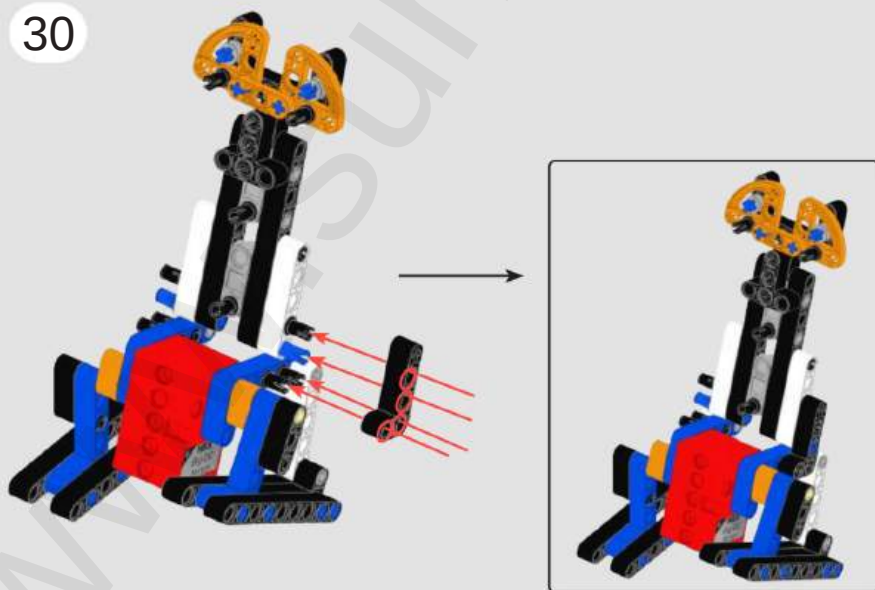
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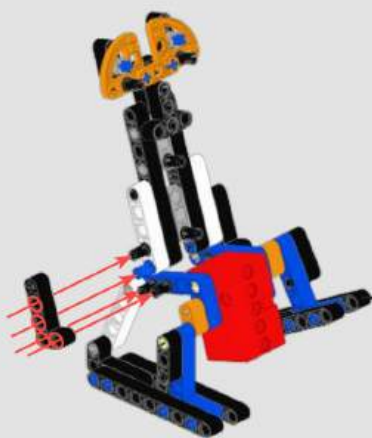
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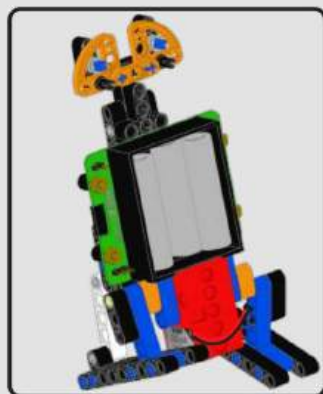
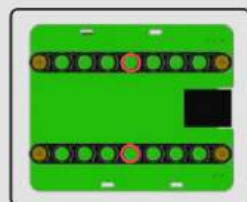
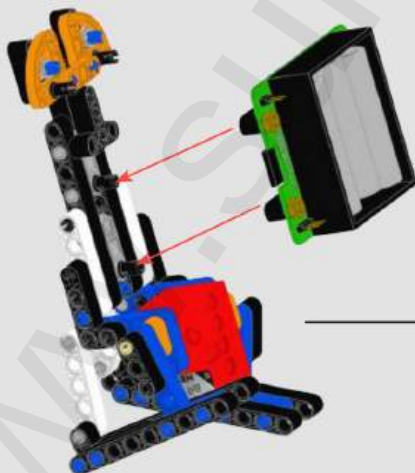
30



31



32



Herzlichen Glückwunsch zum Abschluss dieses Projekts!

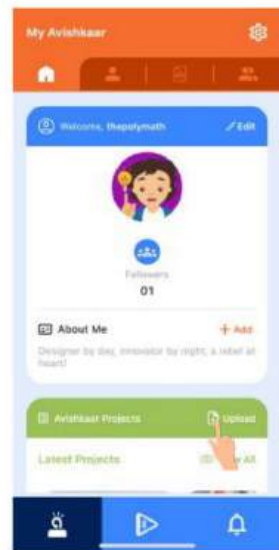
Sie spielen gerne damit und
Avishkaar-Mobil-App?
Auf Seite 8 finden Sie detaillierte
Anweisungen zum Herunterladen
der App und zur Steuerung des Roboters.



Teilen Sie Ihre Kreation mit der Welt und gewinnen Sie! „An der Oberfläche kratzen“ Stufe 3

Laden Sie Fotos oder Videos Ihres Projekts im
Projektbereich der Avishkaar-App hoch und gewinnen
Sie ein Abzeichen der Stufe „Scratch the Surface“.
3.

Alle Ihre Sammlungen ansehen
Abzeichen findest du im Abschnitt „Erfolge“
deines Profils auf www.avishkaar.cc. Entdecke
alle anderen Abzeichen, die du sammeln möchtest,
und gewinne sie alle!



Stehen Sie vor einem Problem?

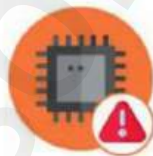
Unser technischer Support steht Ihnen zu diesen Zeiten zur Verfügung – Montag bis Samstag: 9:00 bis 20:00 Uhr Sonntag und 3. Samstag: 9:00 bis 18:00 Uhr



Softwareprobleme



Usability-
Probleme



Hardwareprobleme

Kontaktieren Sie den Support, indem Sie den QR-Code scannen.



support@avishkaar

+91-8506931515

Lieferant/Händler

Sunnysoft sro
Kovanecka 2390/1a
190 00 Prag 9

Tschechische Republik
www.sunnysoft.cz

avishkaar

+91 - 8506931515 support@avishkaar.cc www.avishkaar.cc



@AvishkaarEdu

avishkar

MEX

Robotika
kezdő készlet

Felhasználói kézikönyv





– Nem a sikerről álmodom,
megdolgozom érte!

Tartalom

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Hozza ki a legtöbbet készletéből

Innováció



Tedd le az újí tó eskü jét

Tedd le a 6. oldalon említett Innovátor Esküt, és értsd meg, mit jelent hogy újí tó legyen.



Tanuld meg használni a kézikönyvet/videókat

Kövess a kézikönyvben található részletes utasításokat, és tanuljon meg izgalmas robotokat építeni a készlet segítségével.



Építs, kódozás és vezérlés

Hozzon létre innovatív projekteket a készlet segítségével, és irányíthatja a robotokat Aviskaar Remote és kód az Aviskaar Maker Studio segítségével.

Részesedés

Győzelem



Csatlakozz a Gyerünk Avishkaar

Csatlakozz FB
közösségünkhöz – lépj
kapcsolatba az újítókkal,
és értesülj a legújabb
webináriumokról.



Feltöltés Projektek Projekt feltöltése ide

www.avishkaar.cc, és ossza meg
őket az újítókkal szerte a
világon.



Nemzetközi Versenyek

Vegyen részt heti, havi és éves
versenyeken, és nyerjen
világszerte.



Az új tó eskü je

Tegye le az alábbi Innovator Oath-t, és kötelezze el magát az innováció és a problémamegoldás melletti élethosszig tartó elkötelezettsége mellett. Oszd meg a fotót a Let's Avishkaar FB közösségben.

I (write your name)

*solemnly swear that, since I am
now on the path of innovation,*

*I will not give up until my
innovation, my project is ready.*

*I will hone my skills and tools
and use them well. Innovation
and I will be inseparable.*

*I will always share my
innovations with other
innovators and learn with them.*

Your Signature



A készlet
kutatásához

Üdvözlő k Aviskaarban

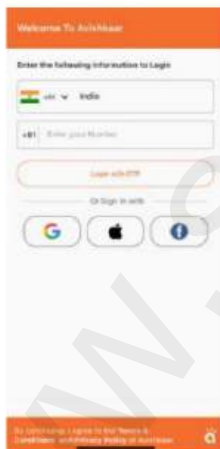
Töltse le az Aviskaar alkalmazást

Töltse le az Avishkaar alkalmazást az alábbi QR-kódok beolvasásával :



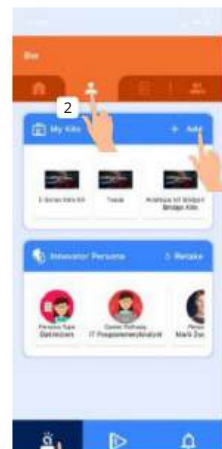
1 Hozzon létre egy fiókot

Nyissa meg az alkalmazást, és kövesse a képernyőn megjelenő utasításokat a fiók létrehozásához.

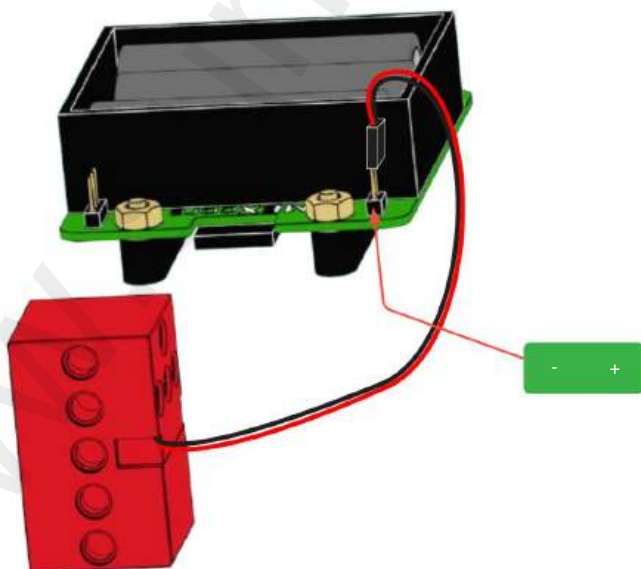
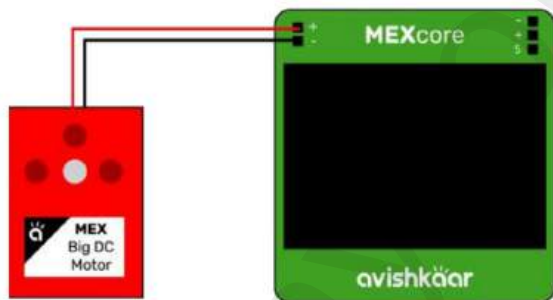


2 Regisztrálja készülétét

Lépjen az alkalmazás „Profil” részébe, és kattintson a „+” hozzáadása” lehetőségre a „Saját készülékek” részben a készülék regisztrálásához. Ez a lépés fontos a robot későbbi irányításához.



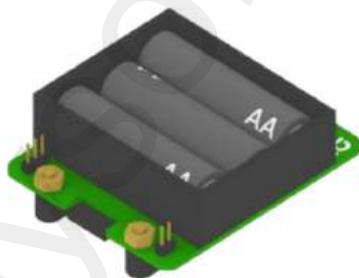
Hogyan csatlakoztassunk egy motort a MEXcore-hoz



Alkalmazásvezérlés

- 1 Helyezze be az elemeket a MEXcore-ba, és kapcsolja be. Észre fogja venni, hogy a MEXcoreLED villog zöld.

Megjegyzés - Csak AA alkáli elemeket használjon. (Minden más típus károsíthatja a MEX kernelt.)



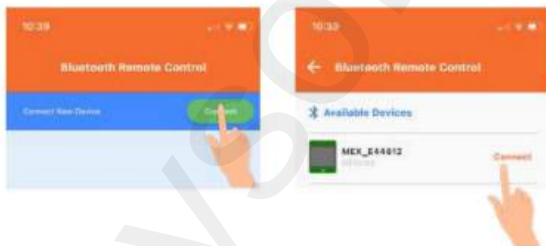
- 2 Kapcsolja be a Bluetooth-t a telefonon.



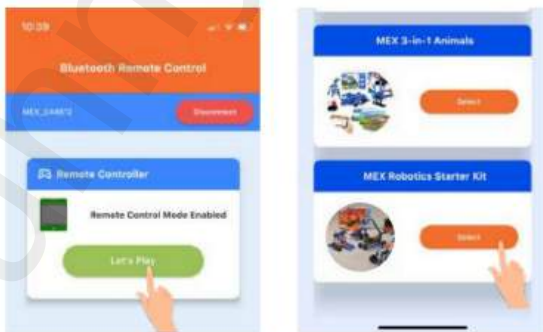
- 3 Nyissa meg az Avishkaar alkalmazást, és kattintson a „Lejátszás” gombra a „Fő oldal” részben.



- 4 Kattintson a "Csatlakozás" gombra. Az alkalmazásnak meg kell találnia a MEXcore-ját, ha be van kapcsolva. Miután az alkalmazás felismeri az Ön MEXcor, kattintson a "Csatlakozás" gombra.



- 5 Kattintson a "Játsszunk" gombra és válassza ki a „MEX Robotics Starter Kit” elemet a készletválasztó menüből.



- 6 Megnyílik a távirányító képernyője, amely lehetővé teszi a Tusker LED-motorjának és hangjának vezérlését. Jó szórakozást!



Konfigurálás
Hangeffektusok



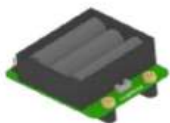
Joystick



Páncél

ellenőrzés

1. doboz (elektronika)



Avishkaar
MEXCore
x 1



MEX nagy DC
motor
x 1

2. doboz (Építő letalkatrészek)

gerenda



15H sugár
x 1



11H sugár
x2



9H sugár x 6



3H sugár x 10

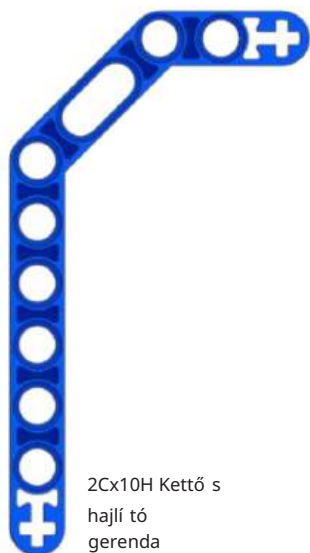


7H sugár
x5

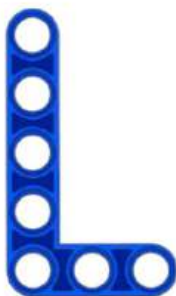


5H sugár x 4

Megjegyzés: "H"
lyukakat jelent. Például.
Nyaláb 15H azt jelenti
gerenda 15 lyukkal.



2Cx10H Kettő s
hajlí tő
gerenda
x 2



7H
L-gerenda
x 4



1Cx4H
L-gerenda
x 6



5H
T-gerenda
x 4



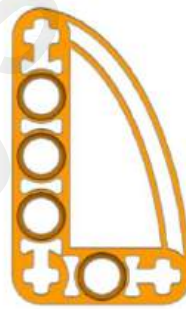
2Cx1H
Vékony gerenda
x 2



1Cx1H nyaláb x 2



3Cx2H Vékony-D x 2



3Cx4H Vékony-D x 2

PINS



Hosszú
tű -kék x 12



Hosszú tű sárga
x2



Közepes tű -fekete x 26



Közepő tű -fekete x 4



Közepő
tengelycsap -kék x 4

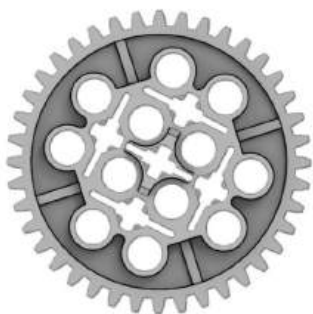


Rövid tű sárga x 2

Megjegyzés: A C a „keresztet”

jelenti . Például. "1CX4HL gerenda egy
keresztrel és négy lyukkal rendelkezik

ÁTRUHÁZÁS



Lánckerék-40T
x 1



Lánckerék-8T x 2



Csiga
sebességváltó-nagy
x 1

CSATLAKOZÓ



3Hx4 tű
Csatlakozó
x 2

TÖLTŐ ANYAGOK



Tengelytöltő -
nagy x
14



Tengelytöltő - kicsi
x 6

KEREKEK



bicikli
x 4

11. 10. 9. 8. 7. 6. 5. 4. 3. 2. 1.
Nyí lás Nyí lás Nyí lás Nyí lás Nyí lás Nyí lás Nyí lás Nyí lás Nyí lás Nyí lás



III Gerenda

Jogorvoslat



(2)



(1)



A

(1)



B

(1)



B

(2)



B

(1)



(2)

1:1



3H

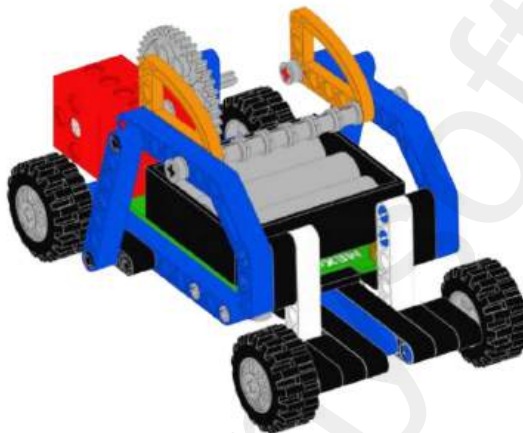
(2)

Értékelés

Megjegyzés: A "H" a tengely nevében gerendát jelent, magassága egyenlő pl. - 5H A tengely egyenlő a gerenda magasságával 5H.

Projekt: MEX mobil

Építsük!



Olyan dolgok, amelyekre szükségünk van



11H
sugár
x2



7H
gerenda
x3



9H
sugár
x2



5H sugár
x2



7H
L-gerenda
x2



3H
sugár
x10



2Cx10H
Kettős
hajlítás
gerenda
x2



3Cx4H
Vékony-D
x2



Spur fogaskerék
40T x 1



Spur fogaskerék
kerék-8T
x 1



3Hx4Pin
Csatlakozó
x2



Töltő
tengelyek-nagyok
x10



Összeszerelési tipp



A hosszú kék tű nek két különböző oldaluk van! Az egyik oldal egyszerre két gerendába mehet, míg az egyik oldal csak egybe.

Ügyeljen arra, hogy az egyes lépésekben melyik oldalt kell beilleszteni.

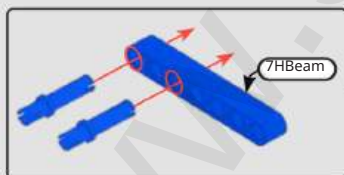


1

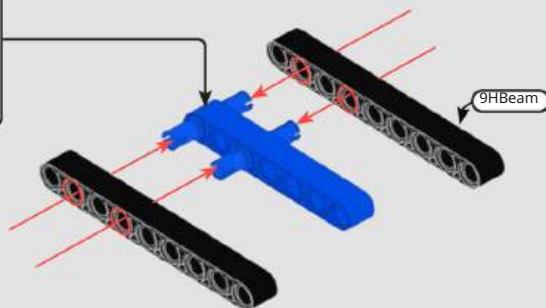
1:1



Hosszú tű -kék



7HBeam



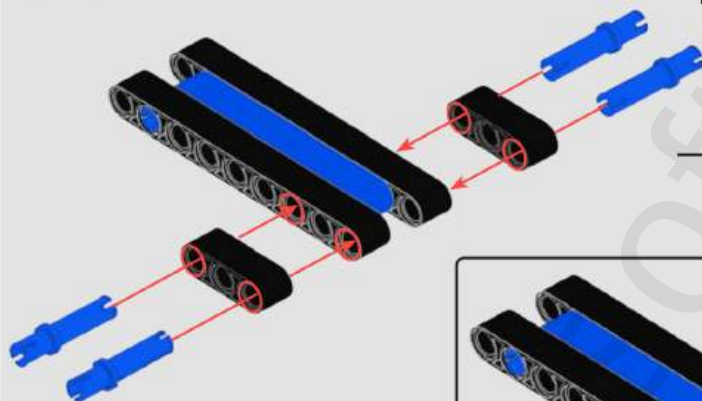
9HBeam

2

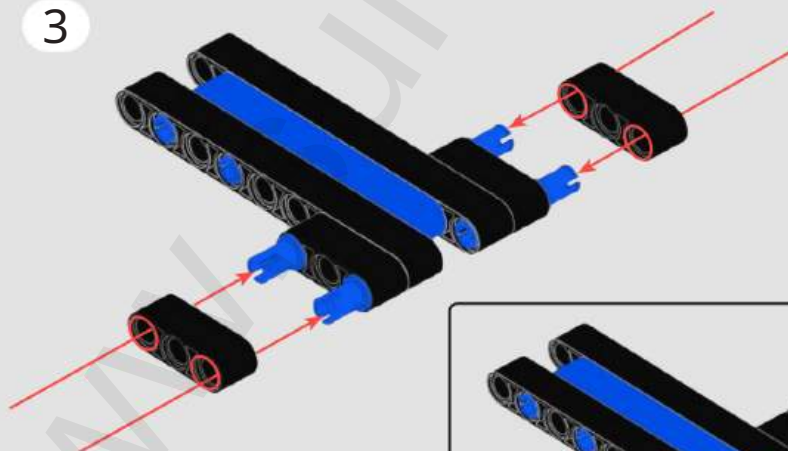
1:1



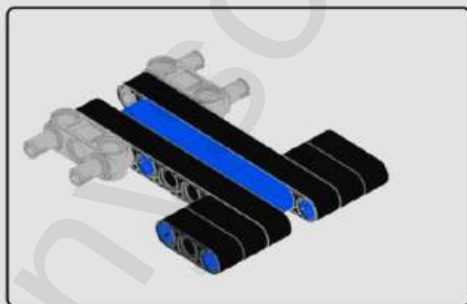
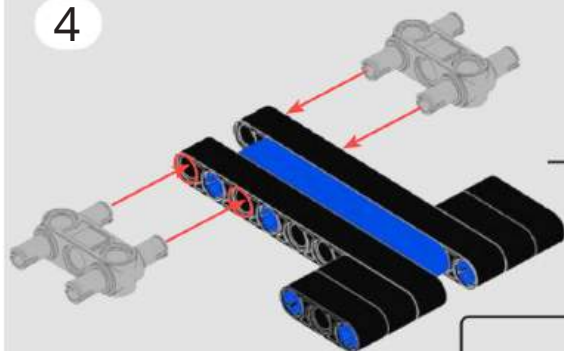
Hosszú tű kék



3



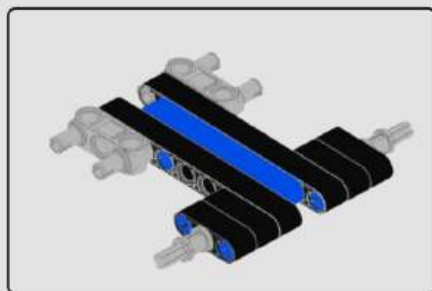
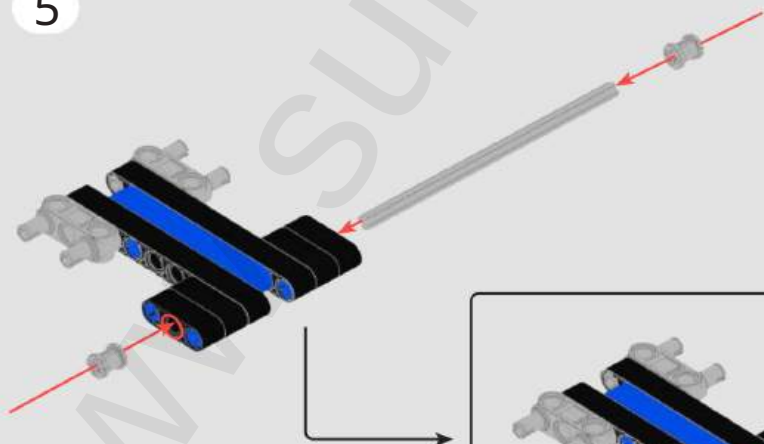
4



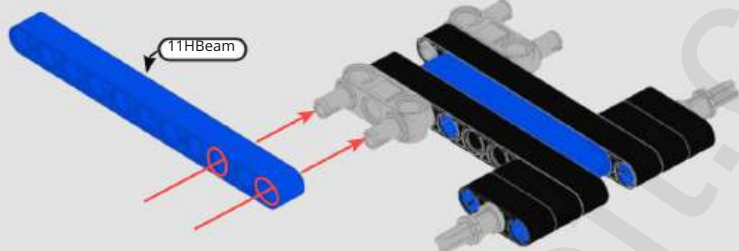
1:1

11H tengely

5



6



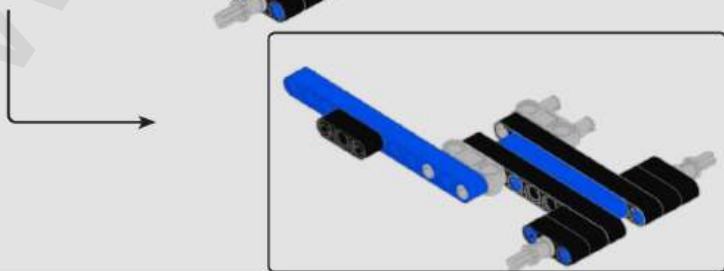
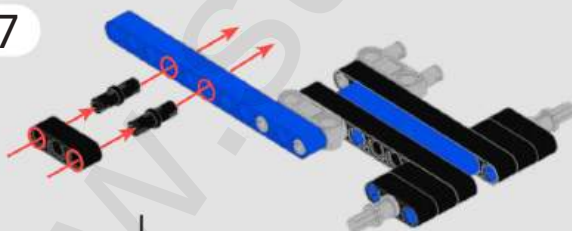
Összeszerelési tipp



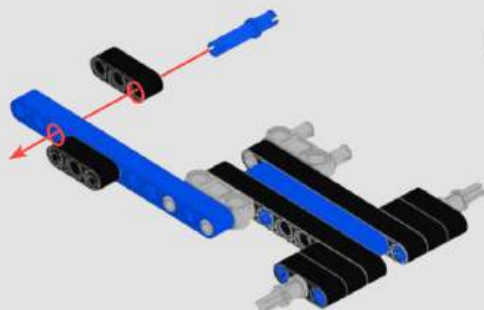
A fekete középső tűt kissé nehézkes lehet behelyezni!
De ne aggódj. Tolja át őt, és ellenőrizze, hogy a csatlakozás
szoros-e. Használjon egy kis erőt. :)



7



8



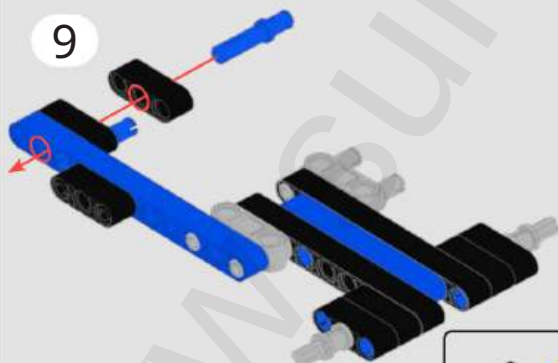
1:1



Hosszú tű -kék



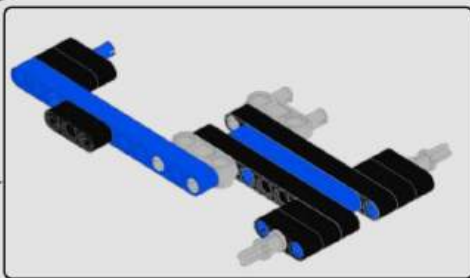
9



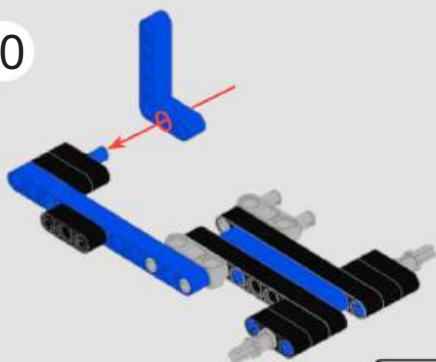
1:1



Hosszú tű -kék



10

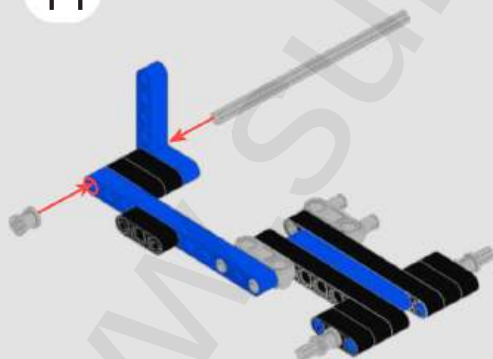


11

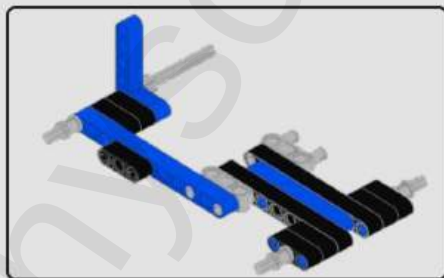
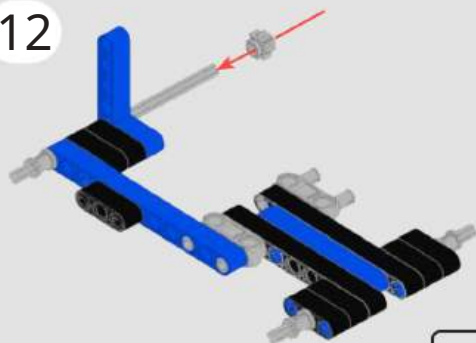
1:1



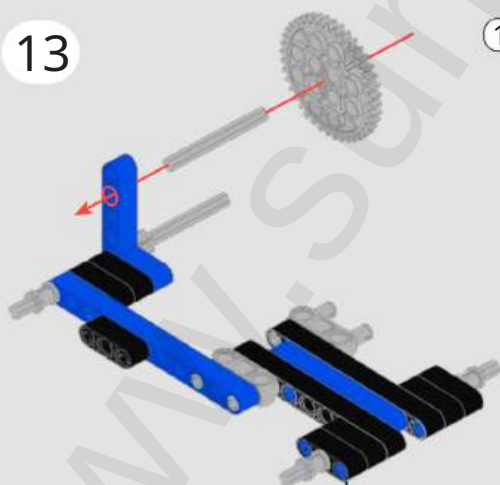
11H orvosság



12



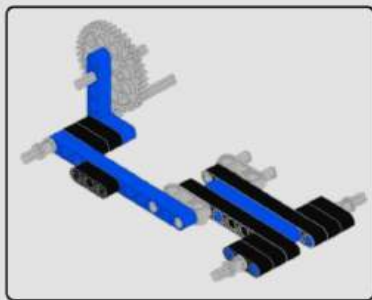
13



1:1

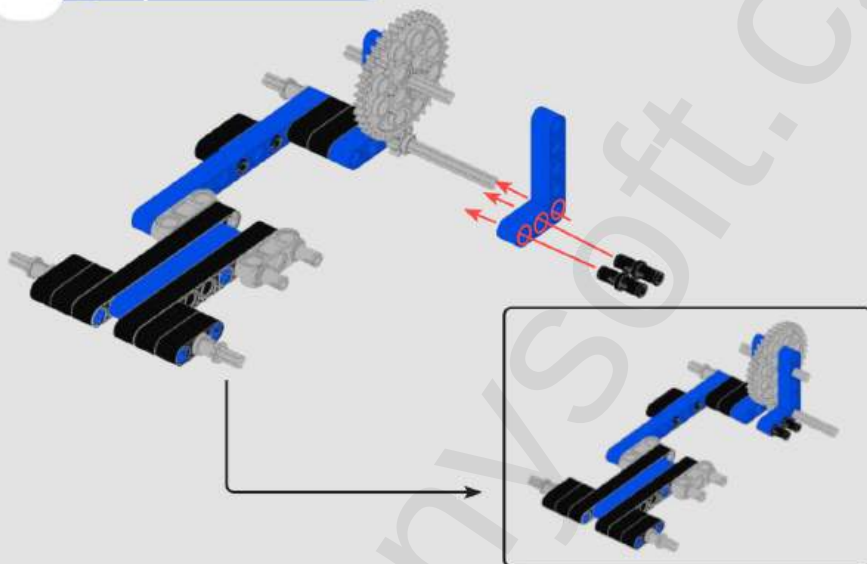


5H orvosság

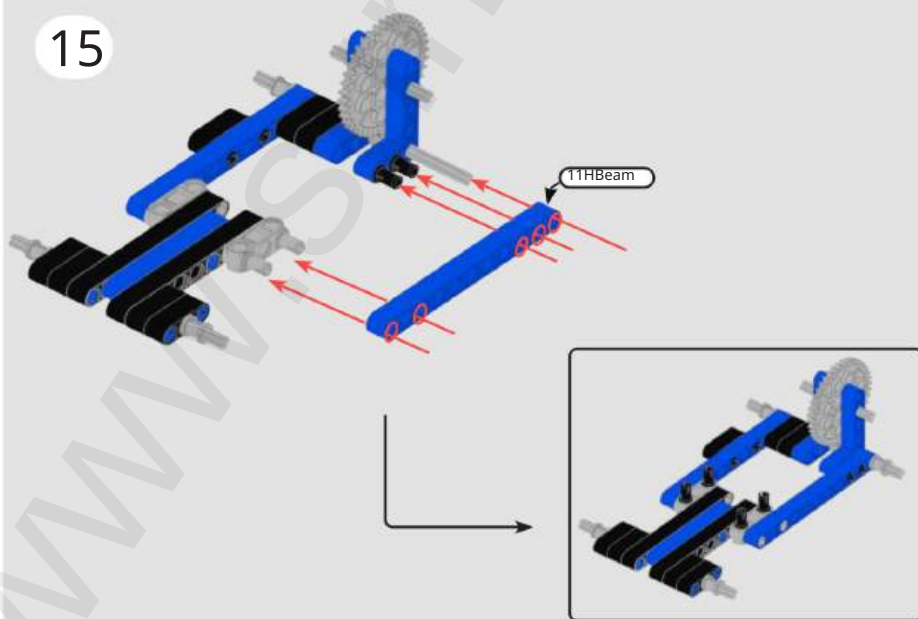


14

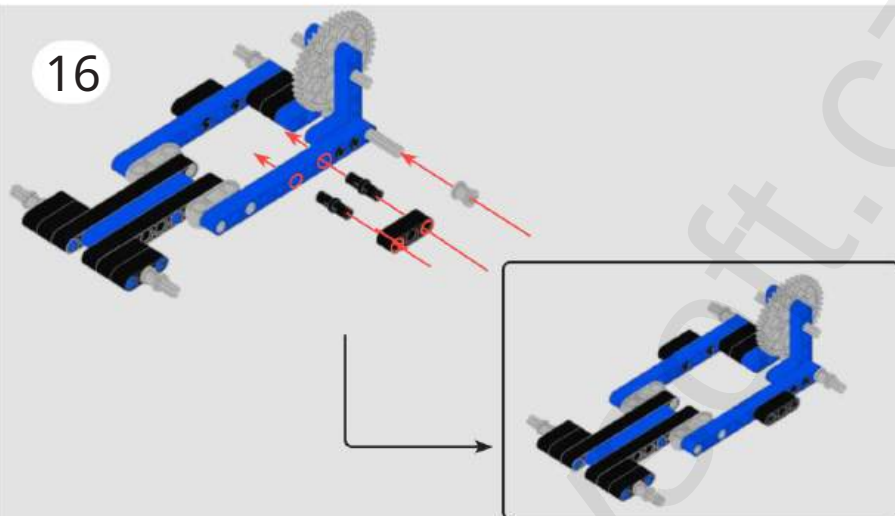
Képlet jobb felső sarokban



15



16



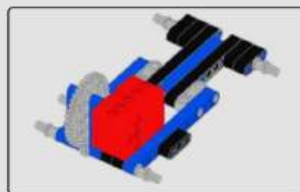
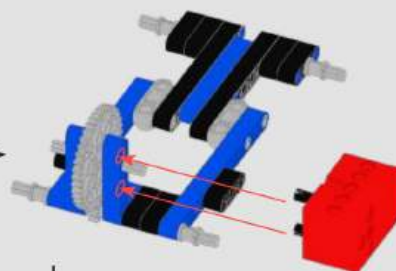
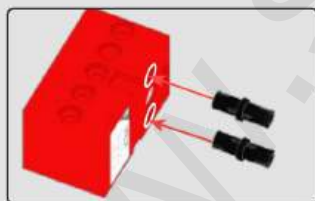
Írja be az összeállít táshoz



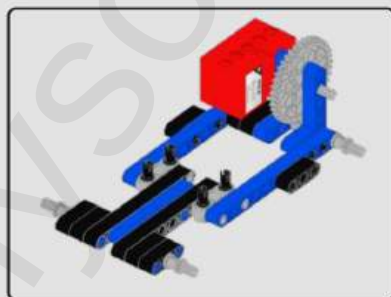
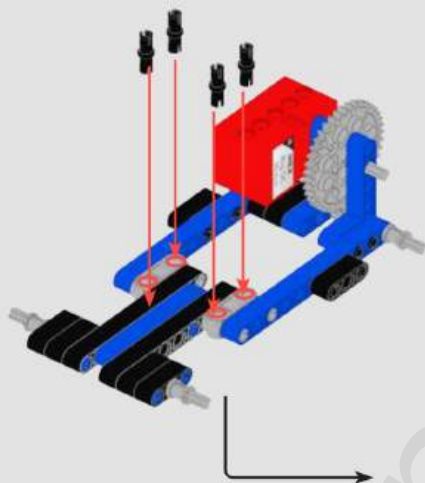
A fekete középső csapok csak a motor egyik oldalára helyezhető k be! A fekete csapokat csak a motor oldalára lehet behelyezni a fehér matricával. Másrészt jelölő vel - csak kis sárga tű k használható k .



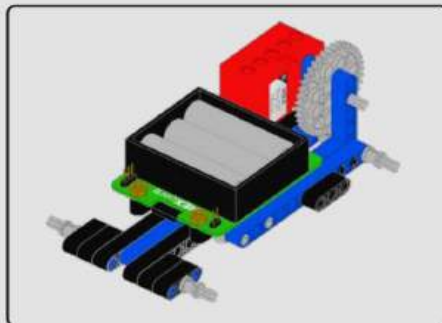
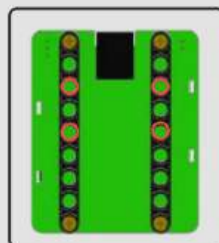
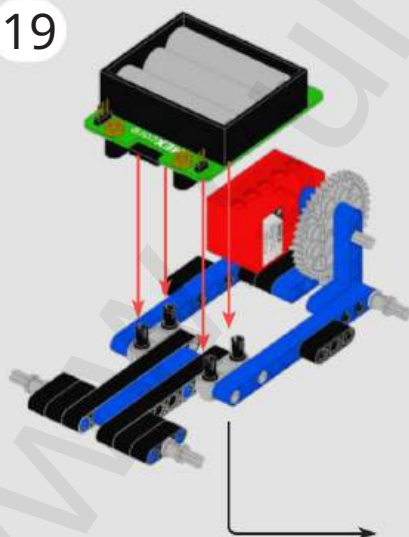
17 aloldali hátsó nézet



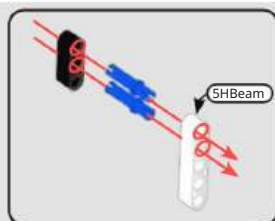
18  kézet jobb felső sarokban



19



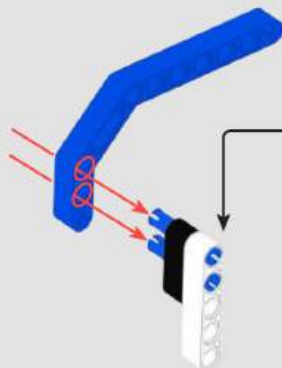
19



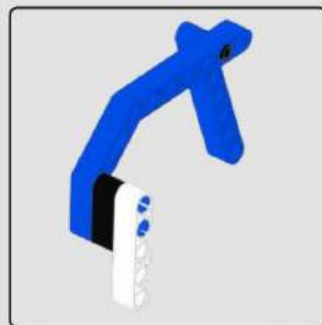
1:1



Hosszú tű kék



20

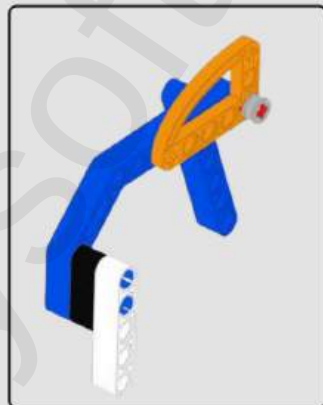
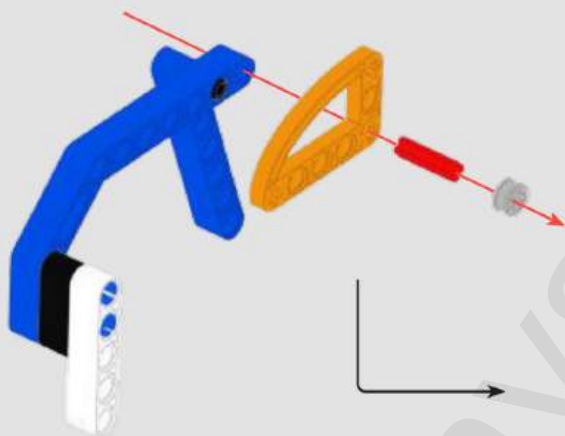


21

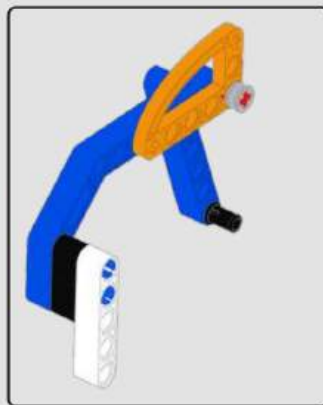
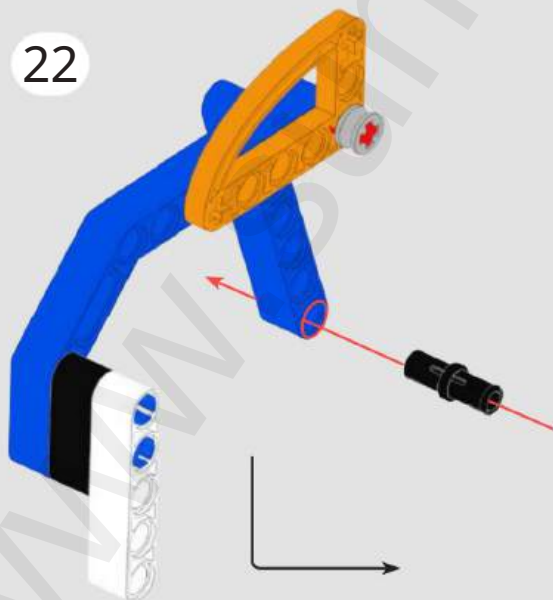
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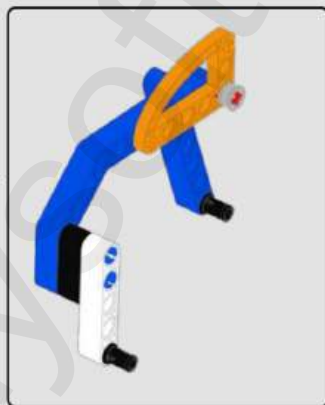
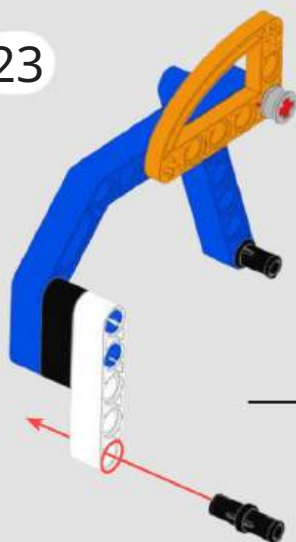
2H orosság



22



23



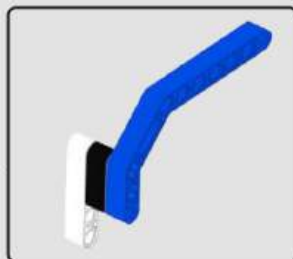
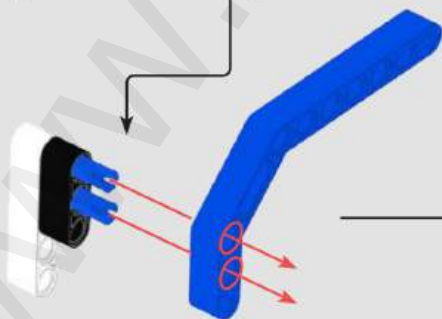
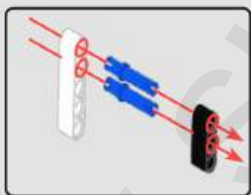
Csináljuk meg a tű kör oldalát.

24

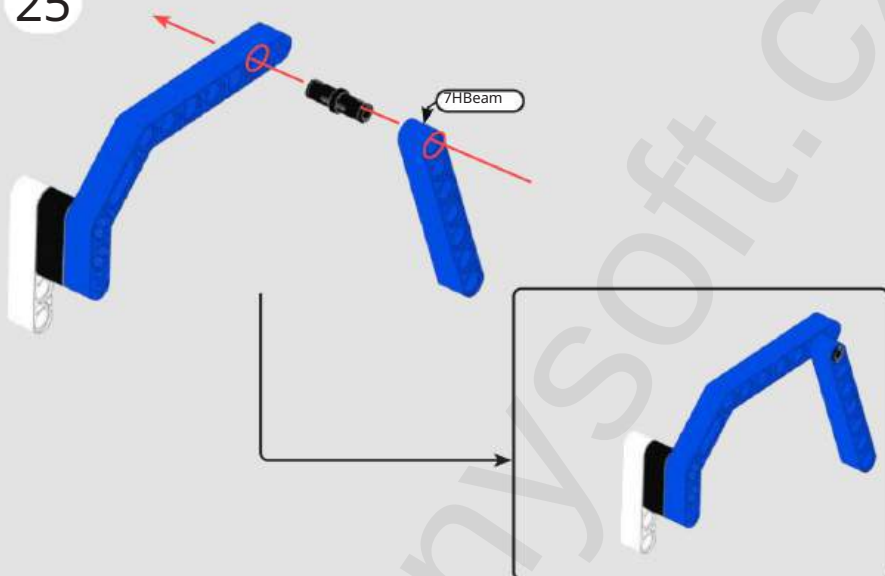
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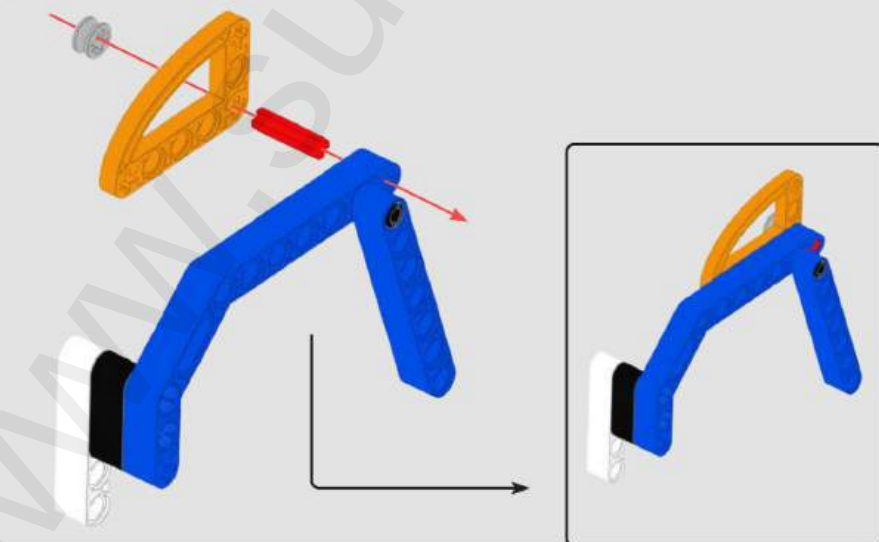
Hosszú tű kék



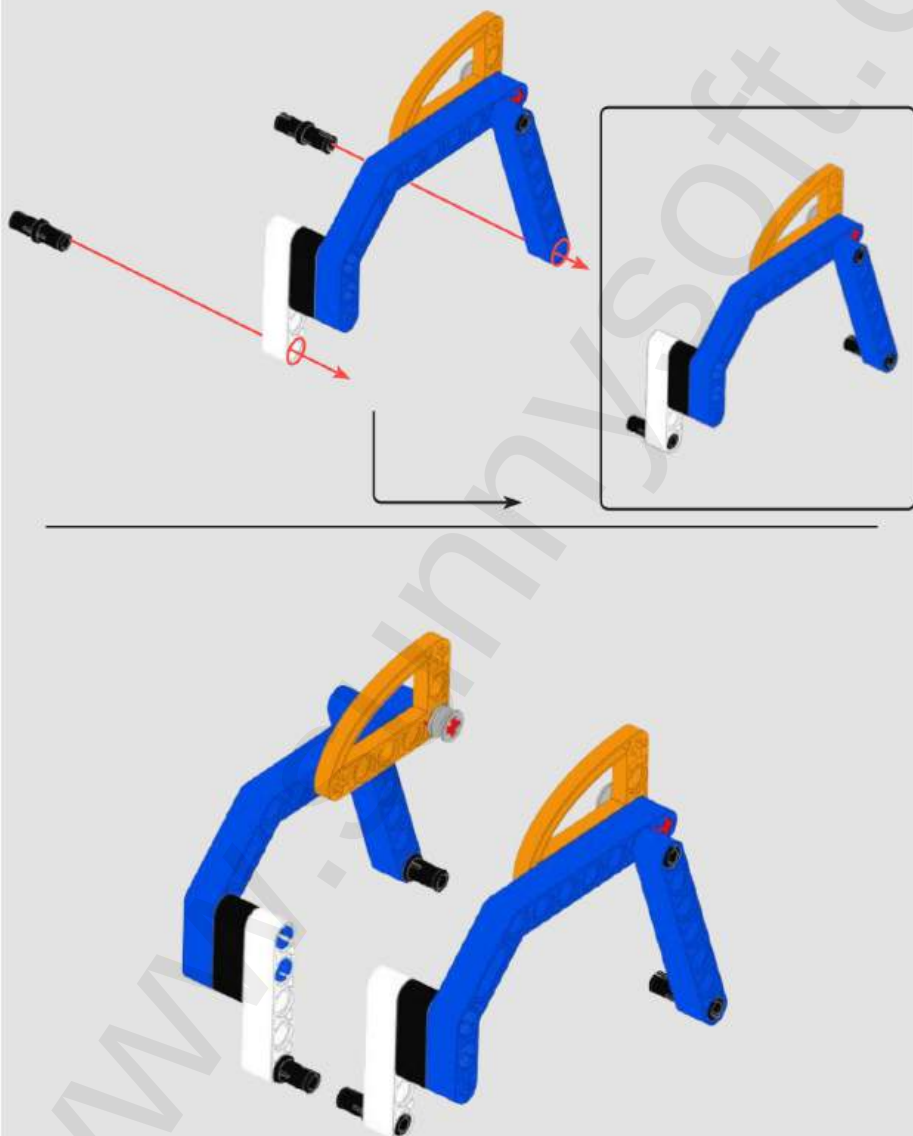
25



26



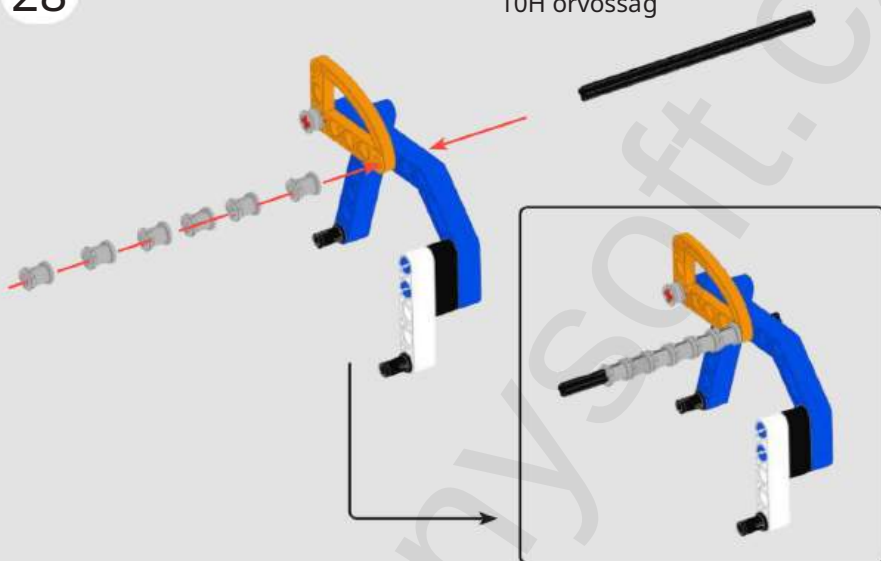
27



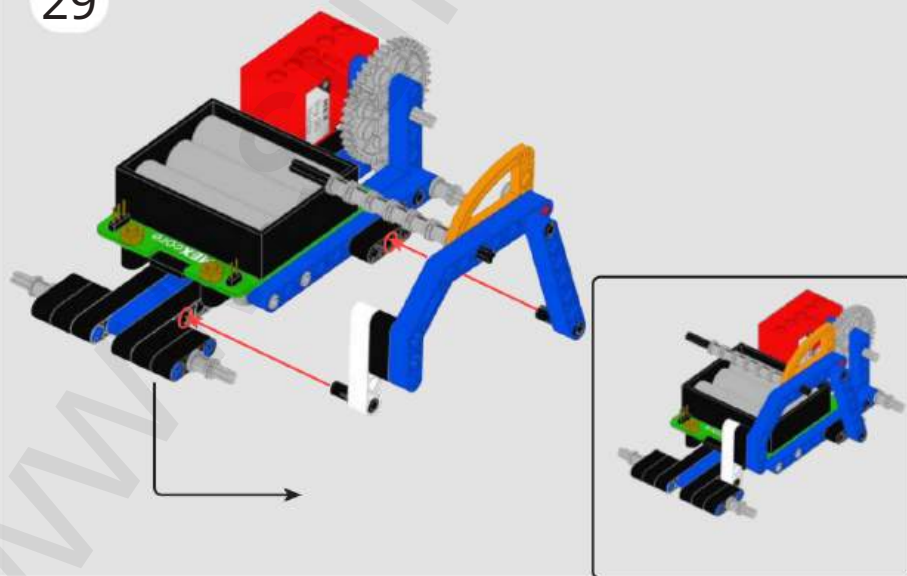
28

1:1

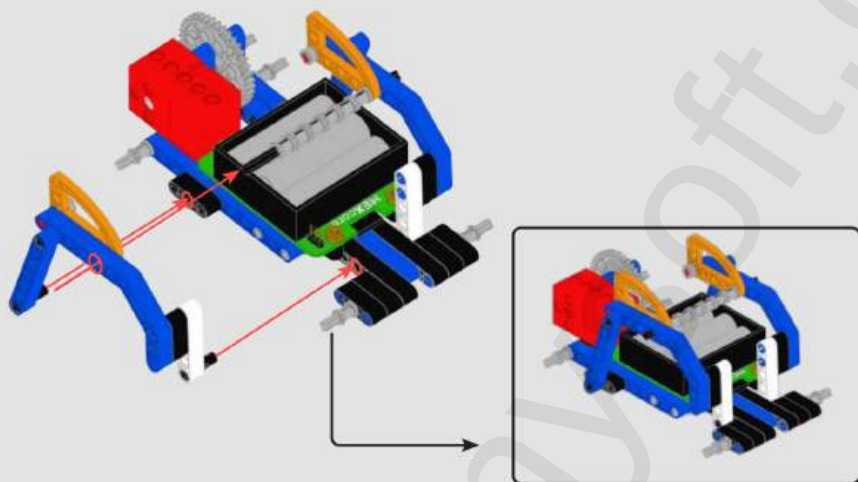
10H orvosság



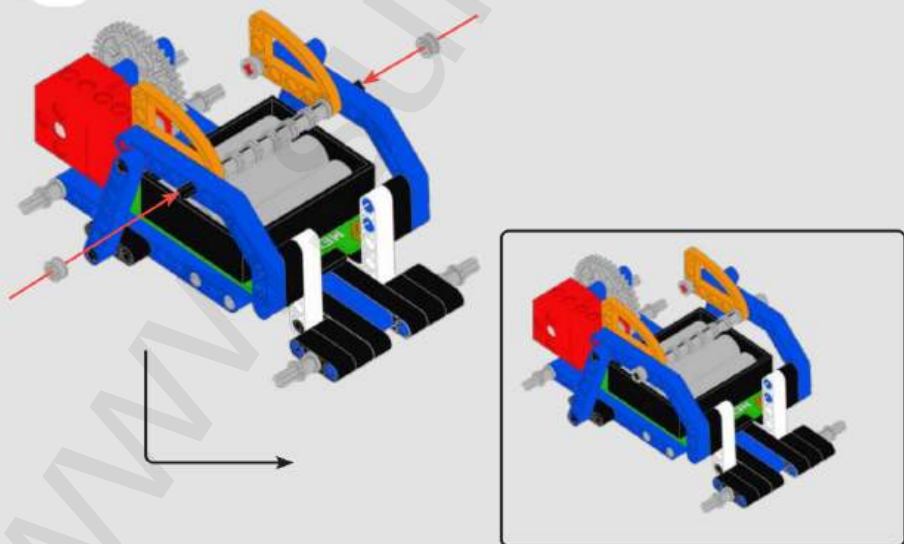
29



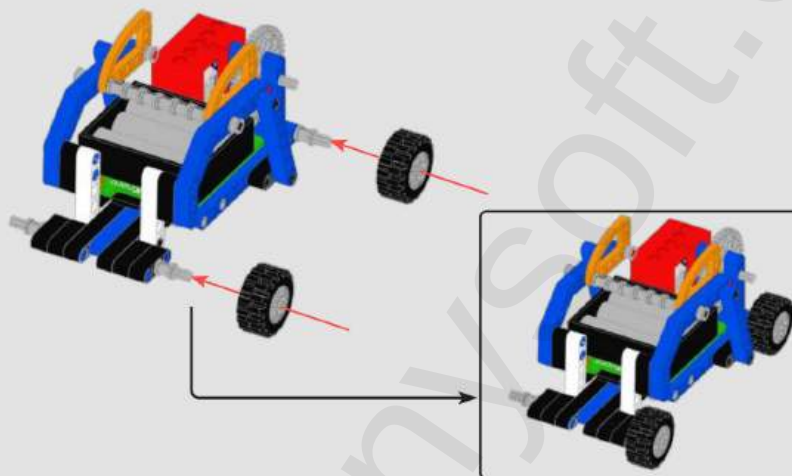
30



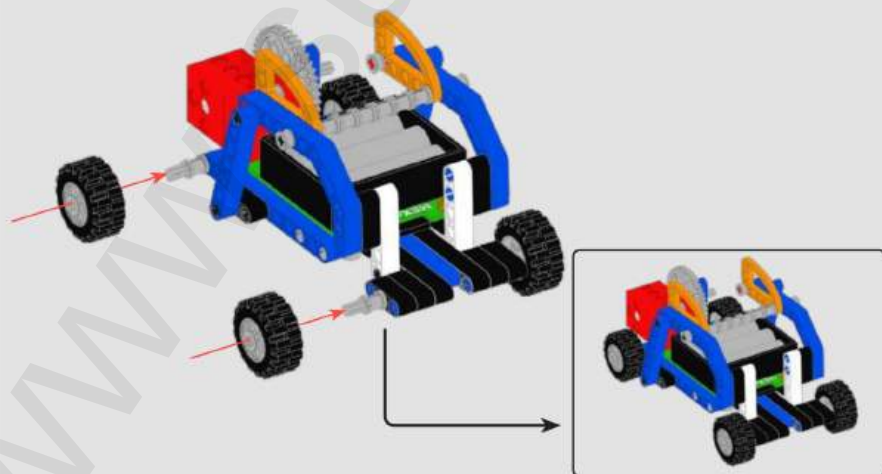
31



32



33



Gratulálunk a befejezéshez ebből a projektből !

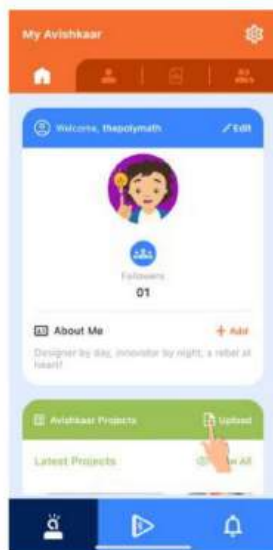
Élvezed a játékot a használatával
avishkaar mobilalkalmazás?
Az alkalmazás letöltésével és a robot
vezérlésével kapcsolatos részletes
utasi táskokért lépjen a 8. oldalra.



Oszd meg alkotásodat a világgal, és nyerd egy „Scratch the Surface” 1. szintű jelvényt

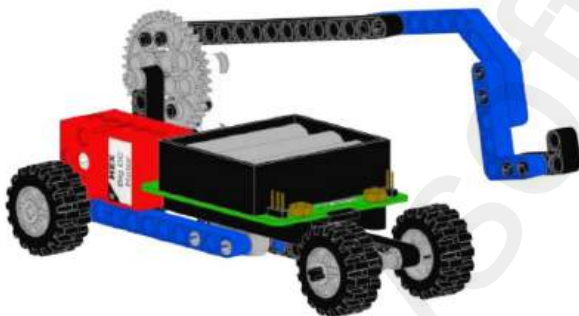
Töltsön fel fotókat vagy videókat a projektjéről az
Avishkaar alkalmazás projektrészével, és nyerjen egy
„Scratch the Surface” szintű jelvényt

1. Tekintse meg az összes gyűjteményét
kitűzőket a www.avishkaar.cc webhelyen lévő
profilod jutalmak részében. Fedezze fel az összes
többi kitűzőt, amelyet össze szeretne gyűjteni, és
nyerje meg őket !



2. projekt: Daru

Építészeti



Olyan dolgok, amelyekre szükségünk van



15H
Gerenda
x 1



11H
Gerenda
x2



9H
Gerenda
x2



5H sugár
x 1



3H
Gerenda
x6



5H
T-beam
x2



2Cx10H
Kettős
hajlítós
Gerenda
x 1



7H L-sugár
x 1



1Cx4H
L-gerenda
x 1



Előző
fogaskerék
40T x 1



Spur fogaskerék
csillagkerék-8T
x 1



3Hx4Pin
Csatlakozó
x2



Töltő
tengelyek-nagyok
x5



Töltő
tengelyek
- kicsik
x3



5H
Jogorvoslat
x 1

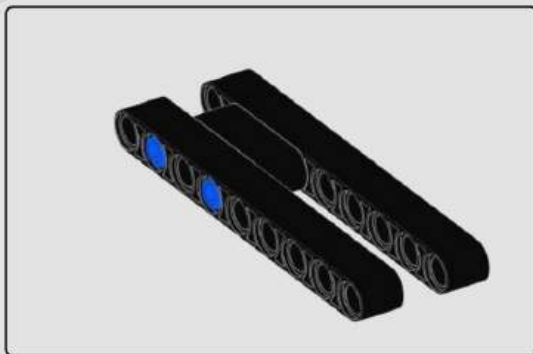
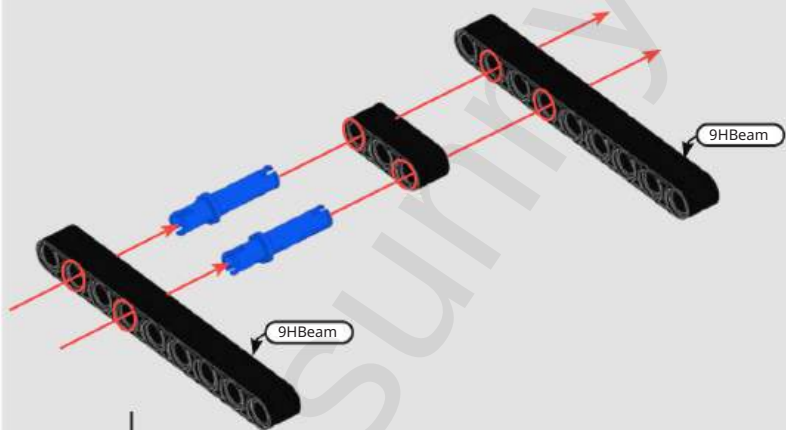


1

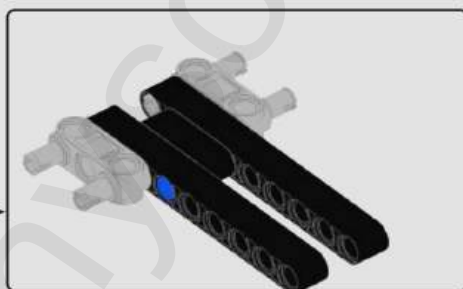
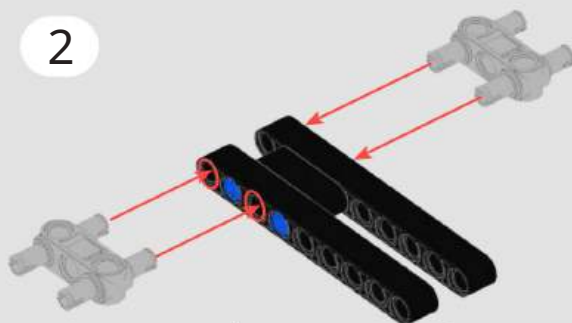
1:1



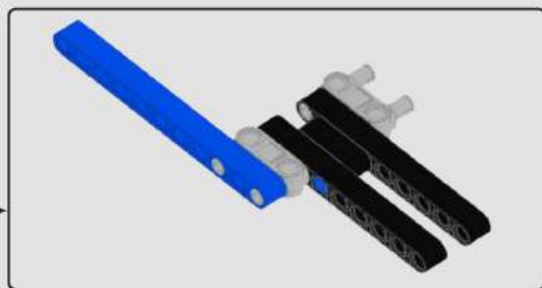
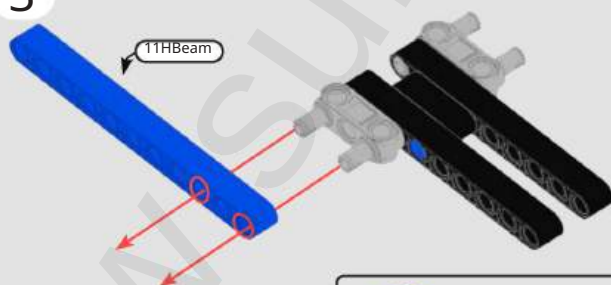
Hosszú tű -kék



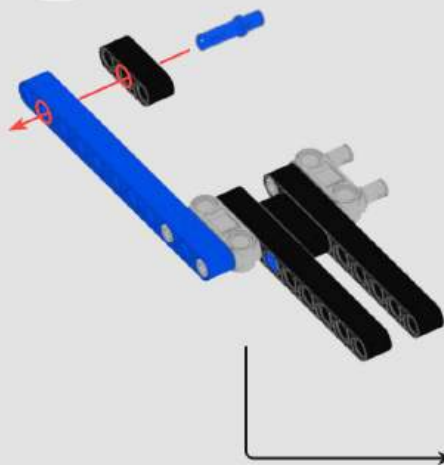
2



3



4



1:1



Hosszú tű -kék



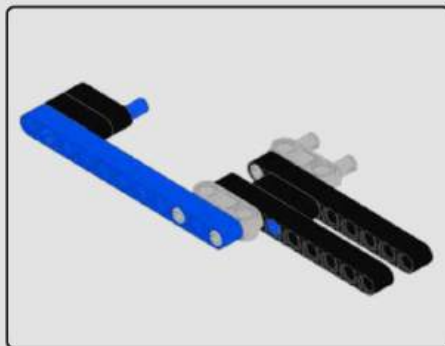
5



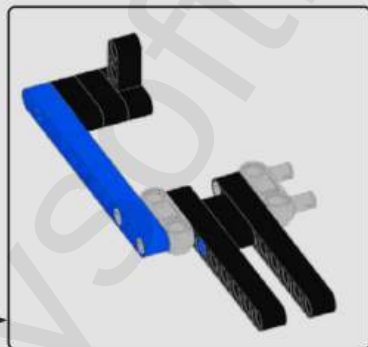
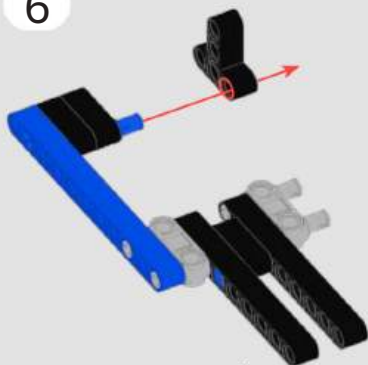
1:1



Hosszú tű -kék



6



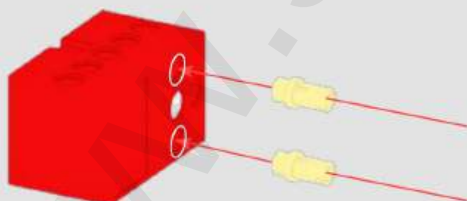
Összeszerelési tipp



A rövid sárga tűk kissé vékonyak lehetnek! Könnyen eltörnek. És azt is nehéz lehet őket eltávolítani – kérjen szűrőt vagy felnőttet a biztonságos eltávolításukhoz.



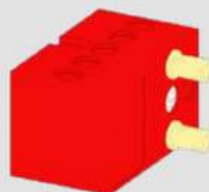
7



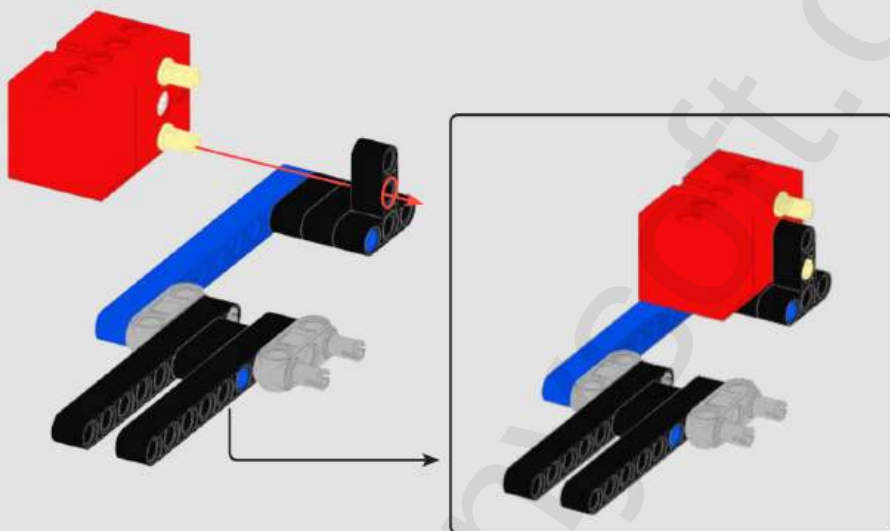
1:1



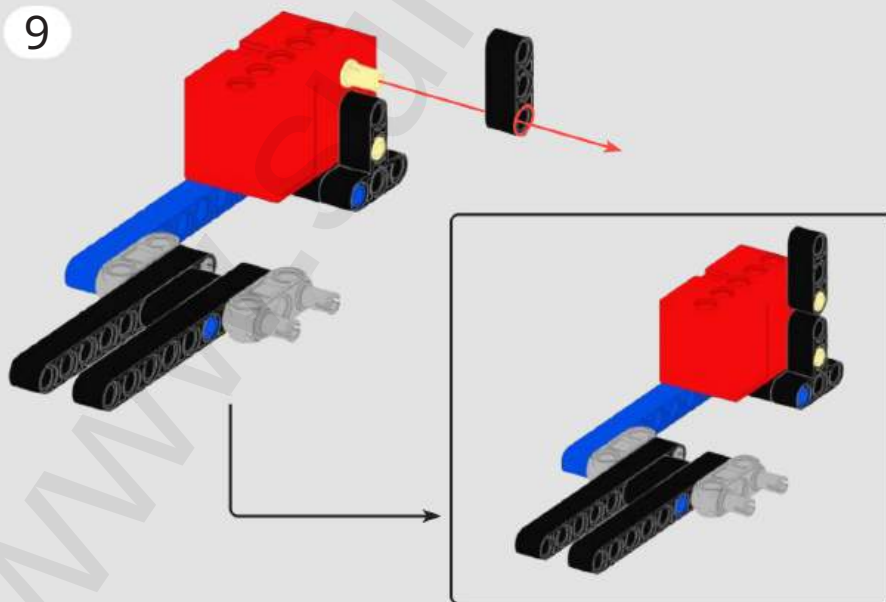
Rövid tű sárga



8



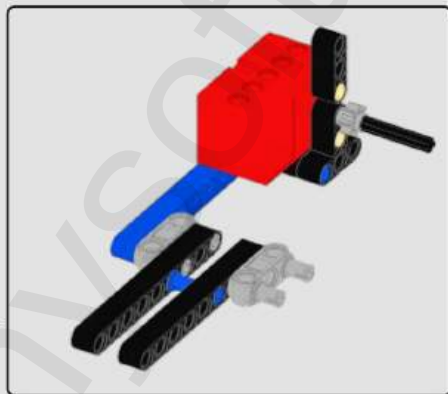
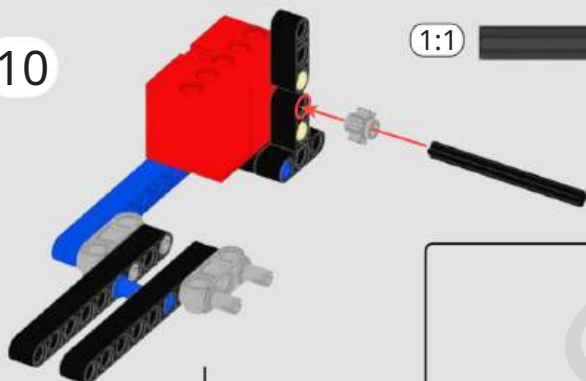
9



10

1:1

6H orvosság

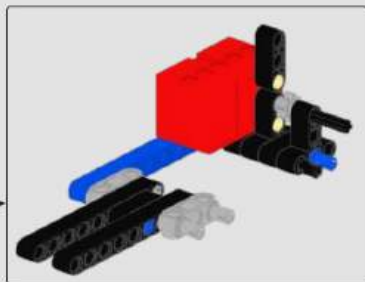
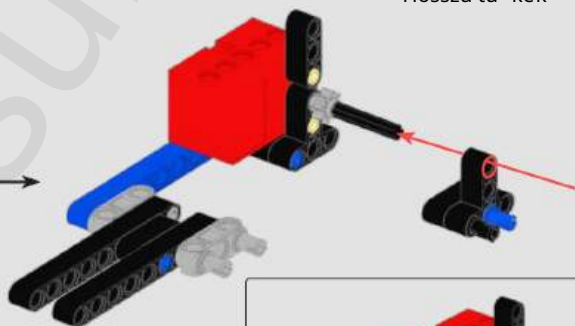
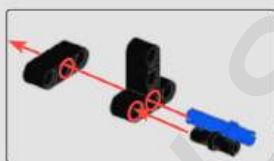


11

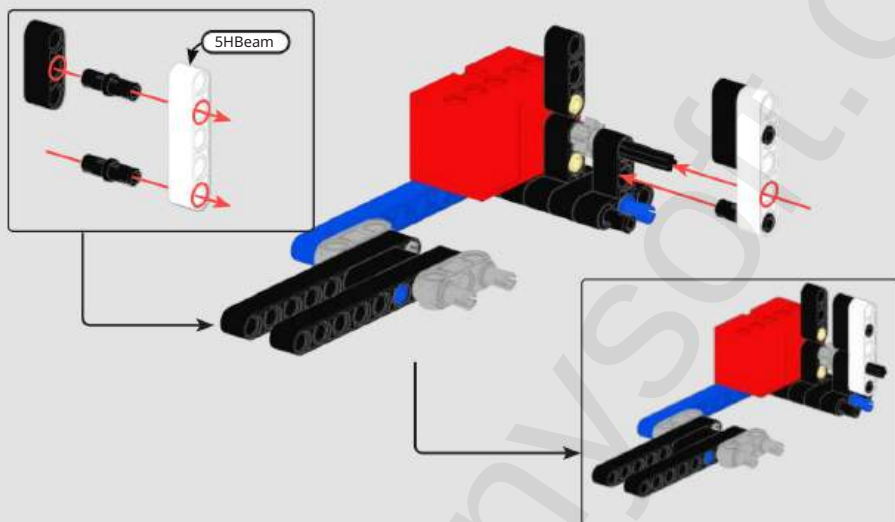
1:1



Hosszú tű -kék



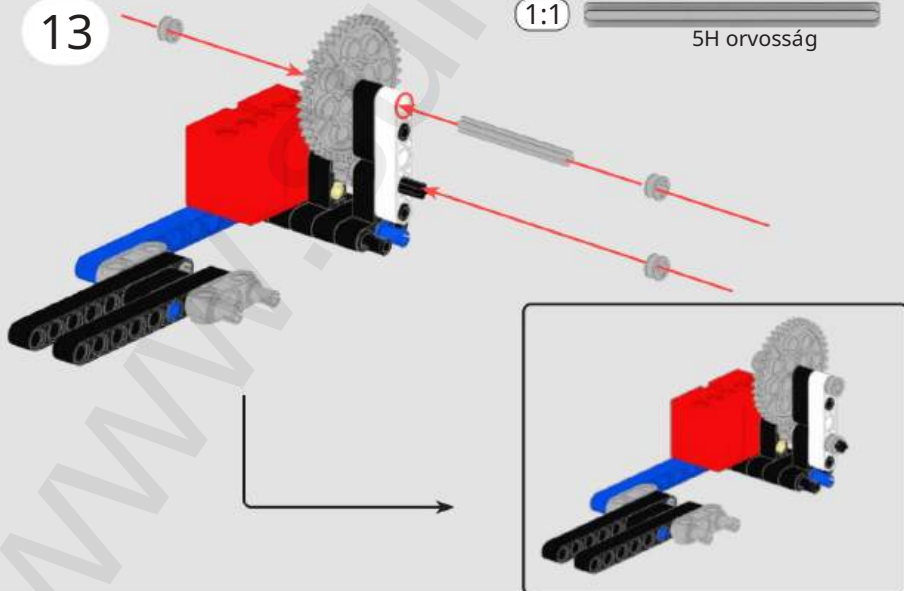
12



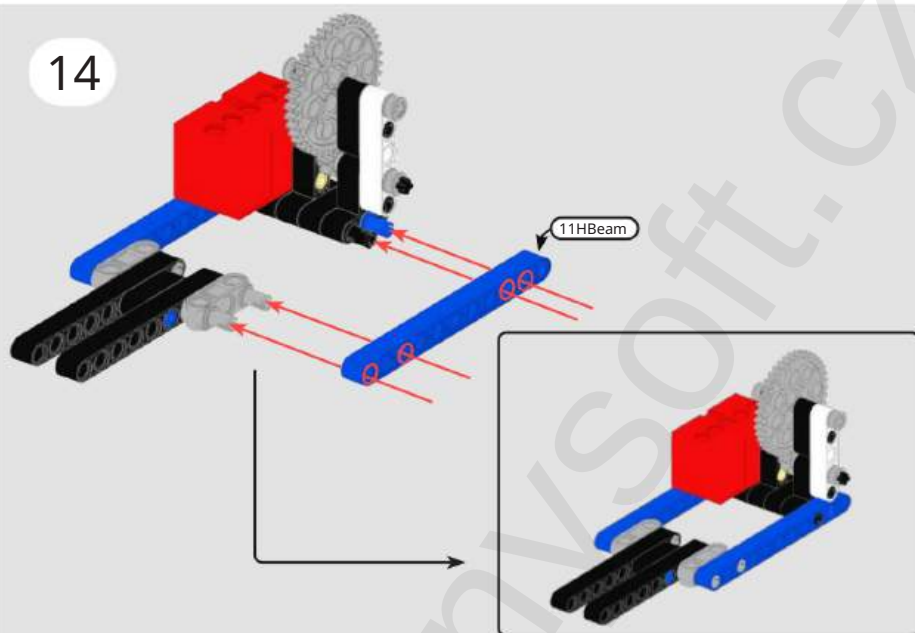
13

1:1

5H orvosság



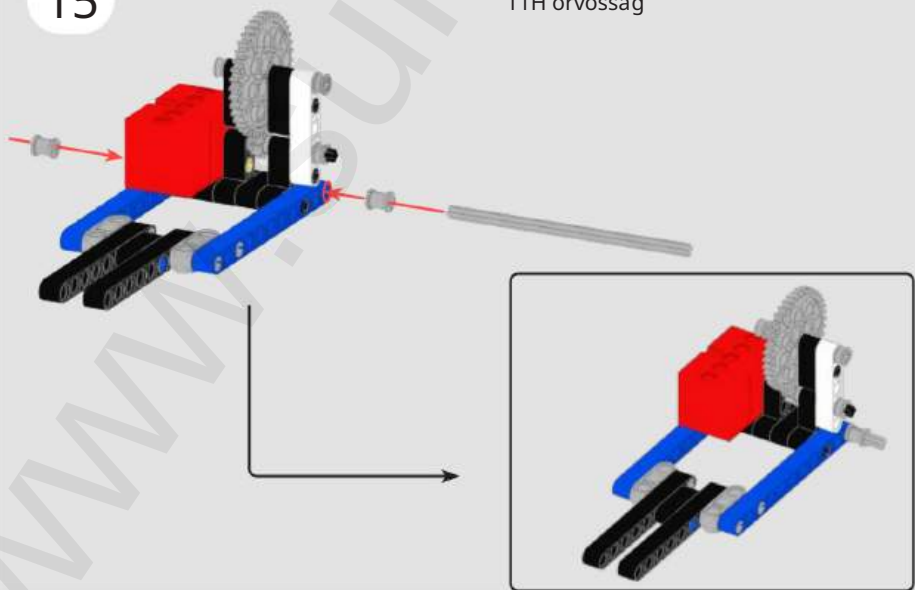
14



15

1:1

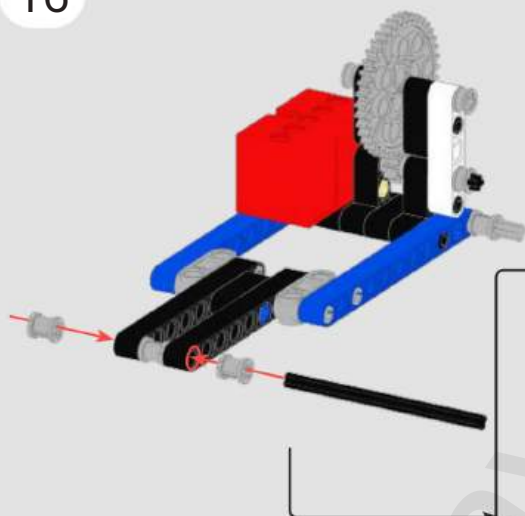
11H orvosság



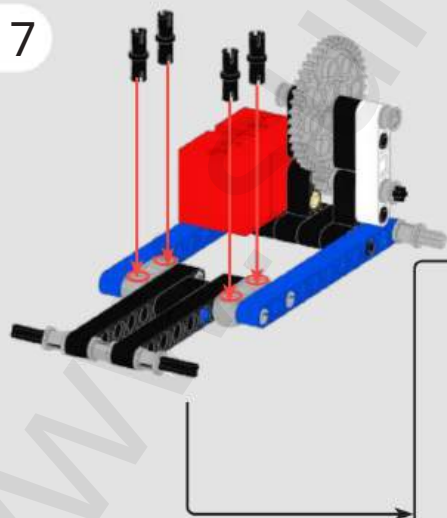
16

1:1

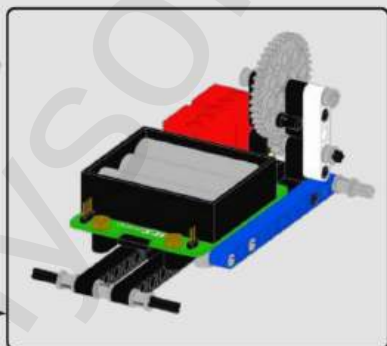
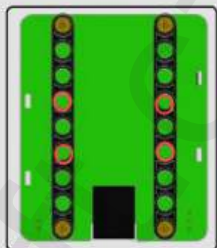
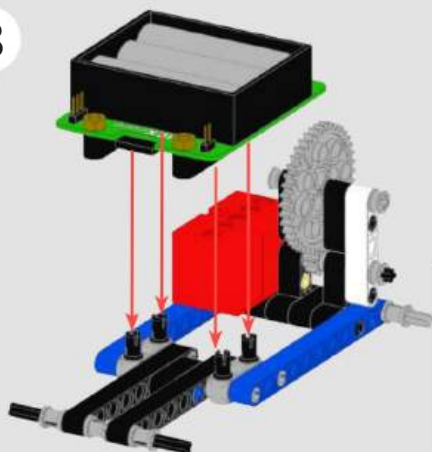
8H orvosság



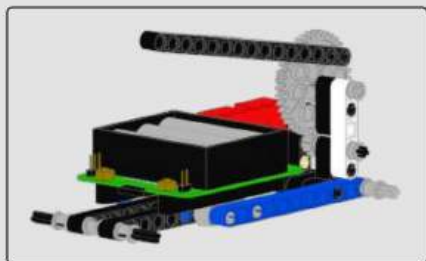
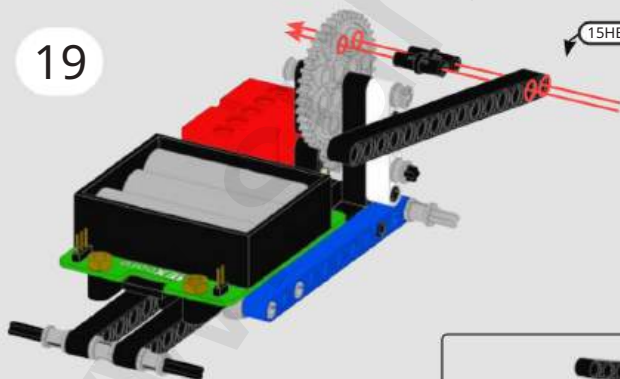
17



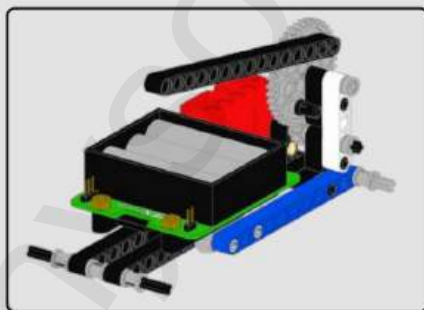
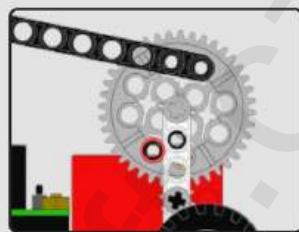
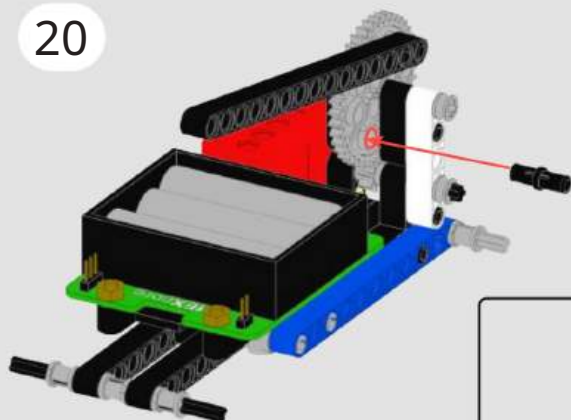
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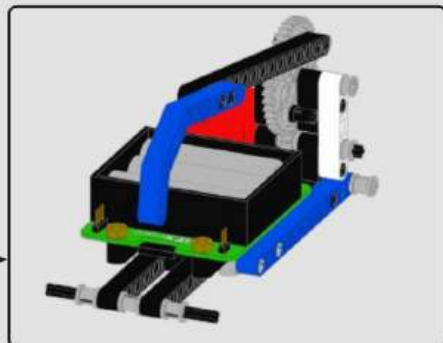
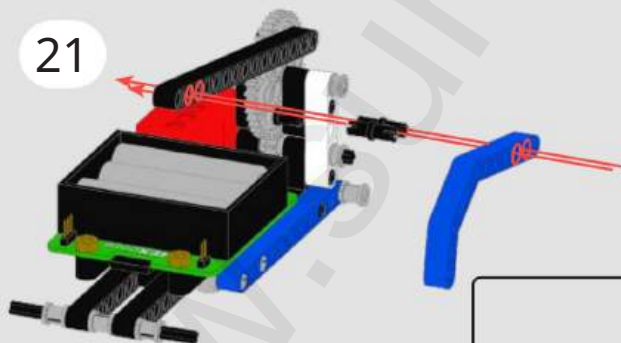
19



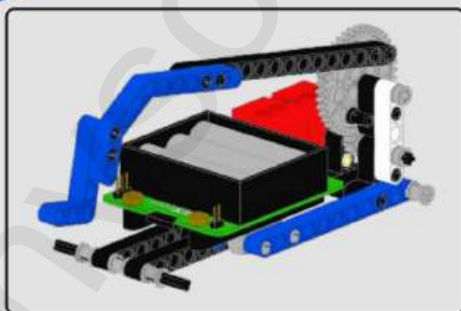
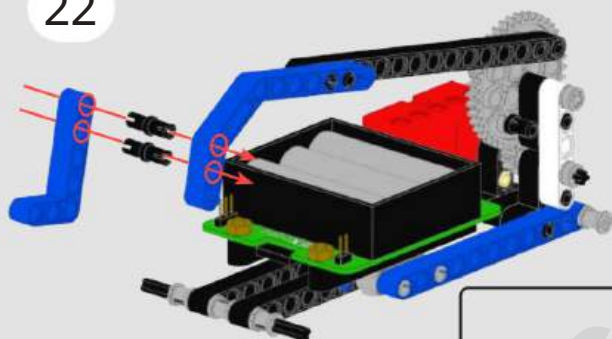
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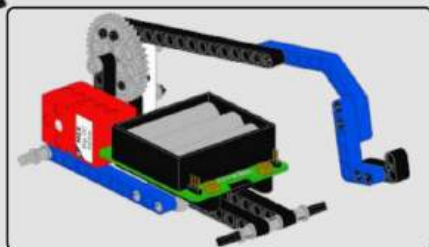
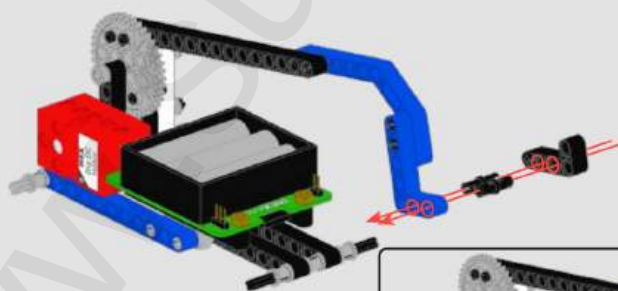
21



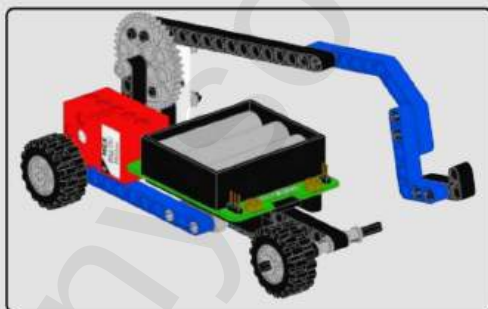
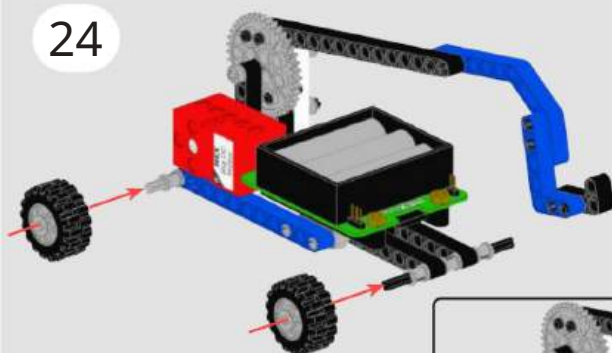
22



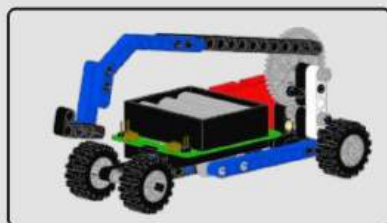
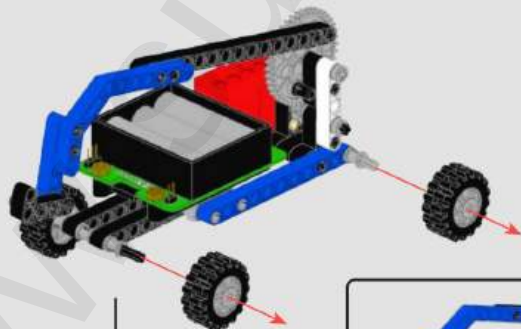
23



24



25



Gratulálunk a befejezéshez ebből a projektből!

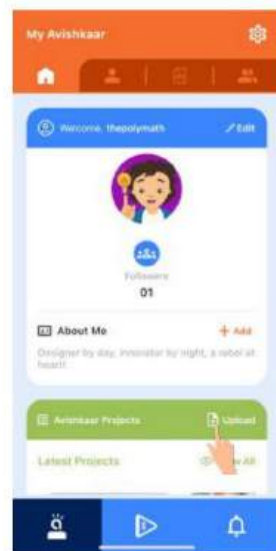
Élvezed a játékot a használatával
avishkaar mobilalkalmazás?
Az alkalmazás letöltésével és a robot
vezérlésével kapcsolatos részletes
utastájsokért lépjen a 8. oldalra.



Oszd meg alkotásodat a világgal, és nyerj egy 2. szintű „Scratch the Surface” jelvényt

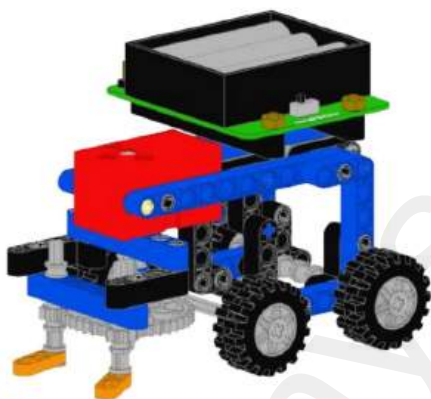
Töltsön fel fotókat vagy videókat a
projektről az Avishkaar alkalmazás projektrészével,
hogy megszerezze a „Scratch the Surface” 2.
szintű jelvényt.

Tekintse meg az összes gyűjteményét
kötőket a www.avishkaar.cc webhelyen lévő
profilod jutalmak részében. Fedezze fel az összes
többi kötőt, amelyet össze szeretne
gyűjteni, és nyerje meg őket!



3. projekt: Hó eke

Építsük nek!



Olyan dolgok, amelyekre szükségünk van



11H
Gerenda
x2



7H
Gerenda
x4



3H
Gerenda
x2



7H L-sugár
x2



5HT
Gerenda
x4



1Cx4H
L-gerenda
x4



2Cx1H
Vékony gerenda
x2



Előlső
fogaskerék
40T x 1



Spur fogaskerék
kerék-8T x 2



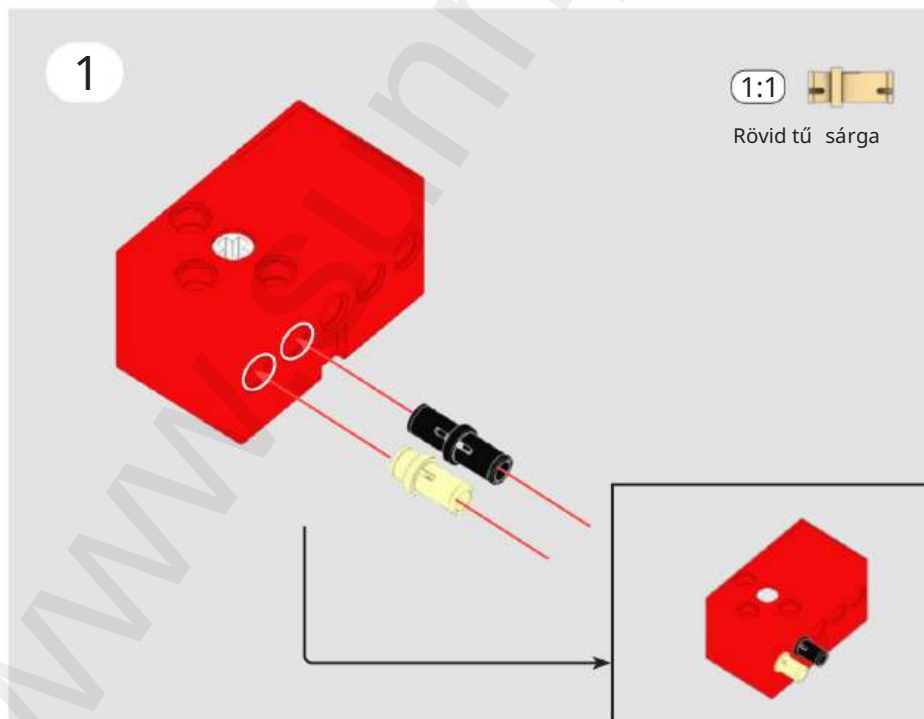
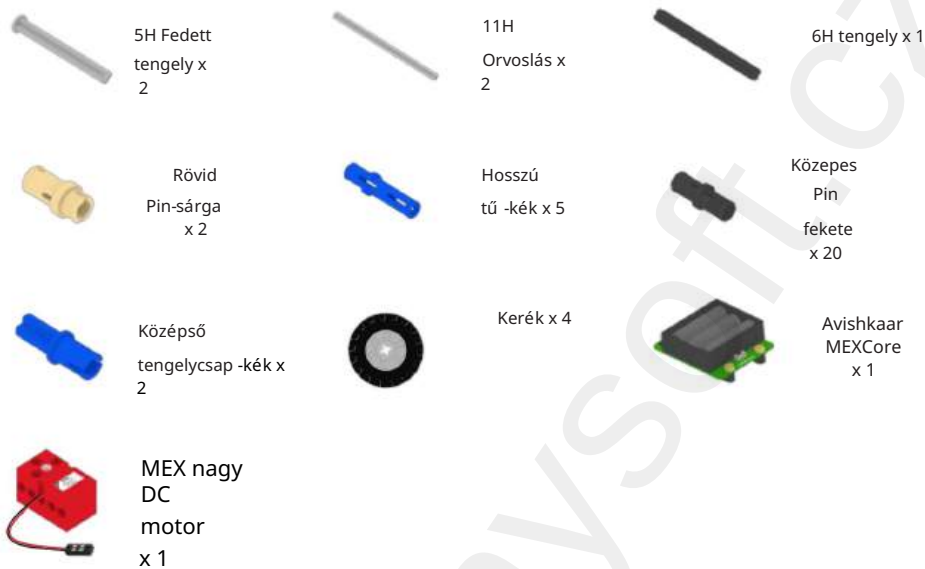
3Hx4 tű
Csatlakozó
x2



Töltő
tengelyek-nagyok
x11



Töltő
tengelyek
- kicsik
x3

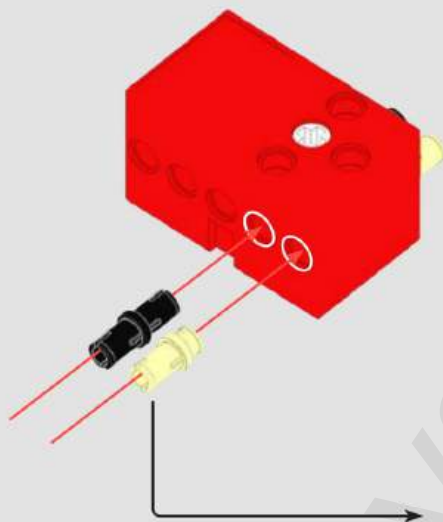


2

1:1

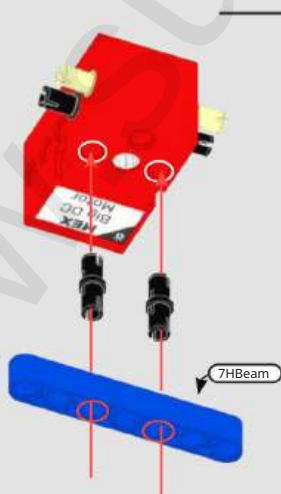


Rövid tű sárga



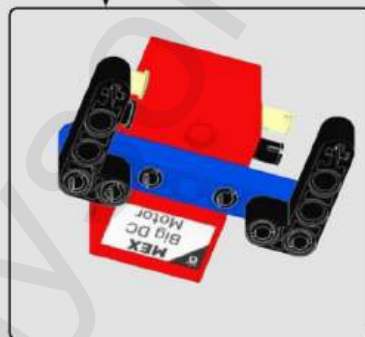
3

Előlnézet jobb alsó

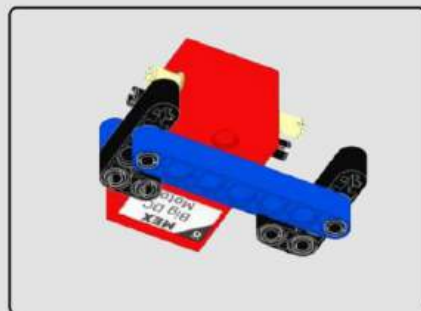
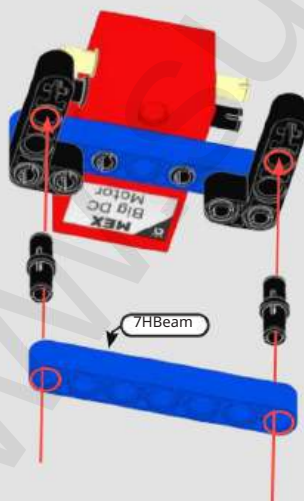


7HBeam

4



5

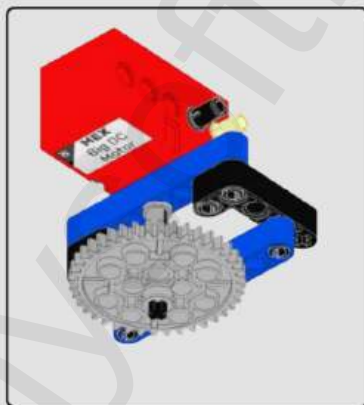


6

Hátulnézet balra lent

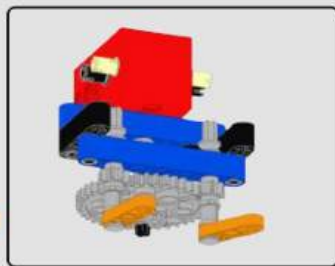
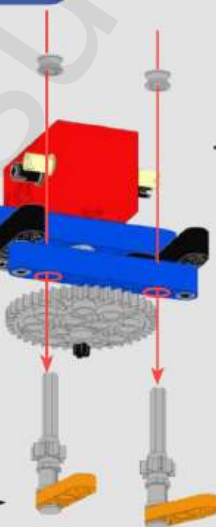
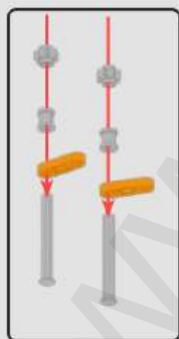
1:1

6H orvosság



7

Előlnézet bal alsó

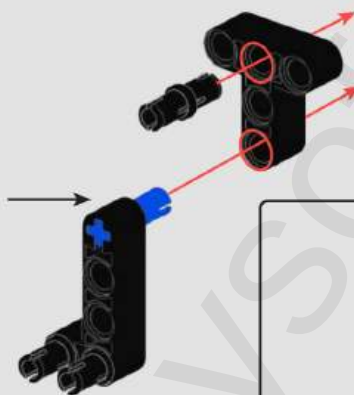
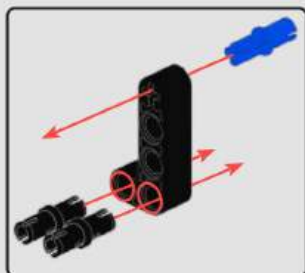


8

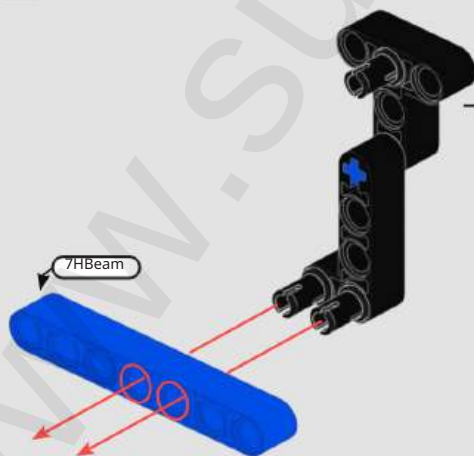
1:1



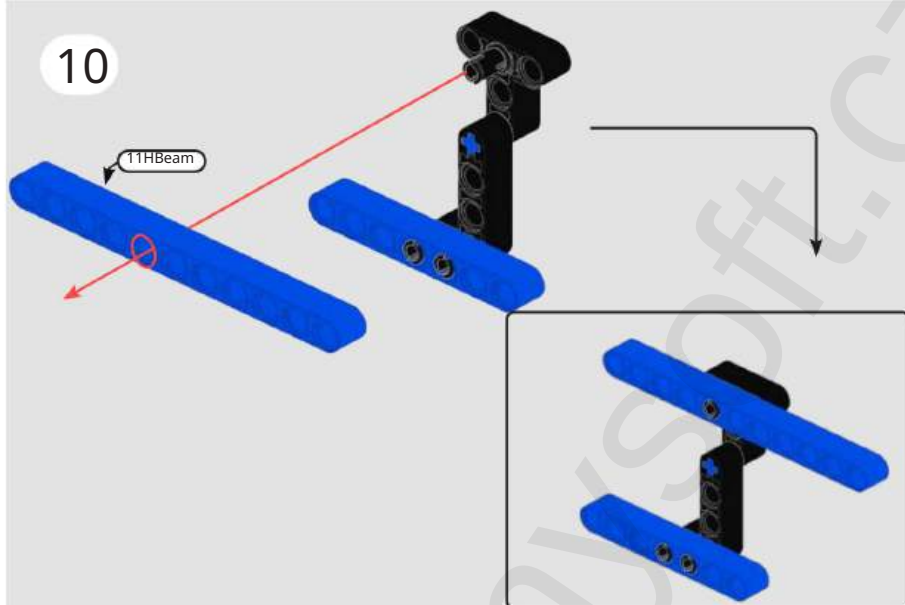
Középső tengelycsap kék



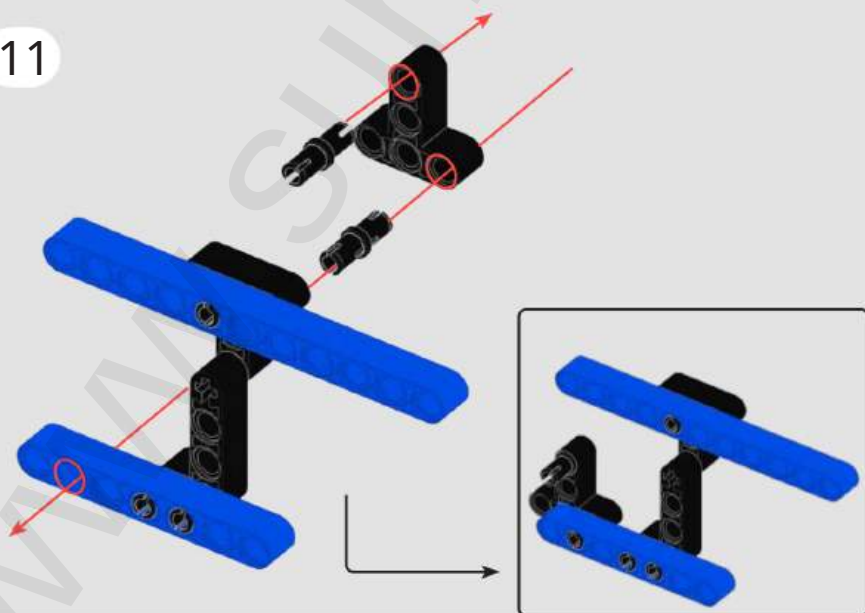
9

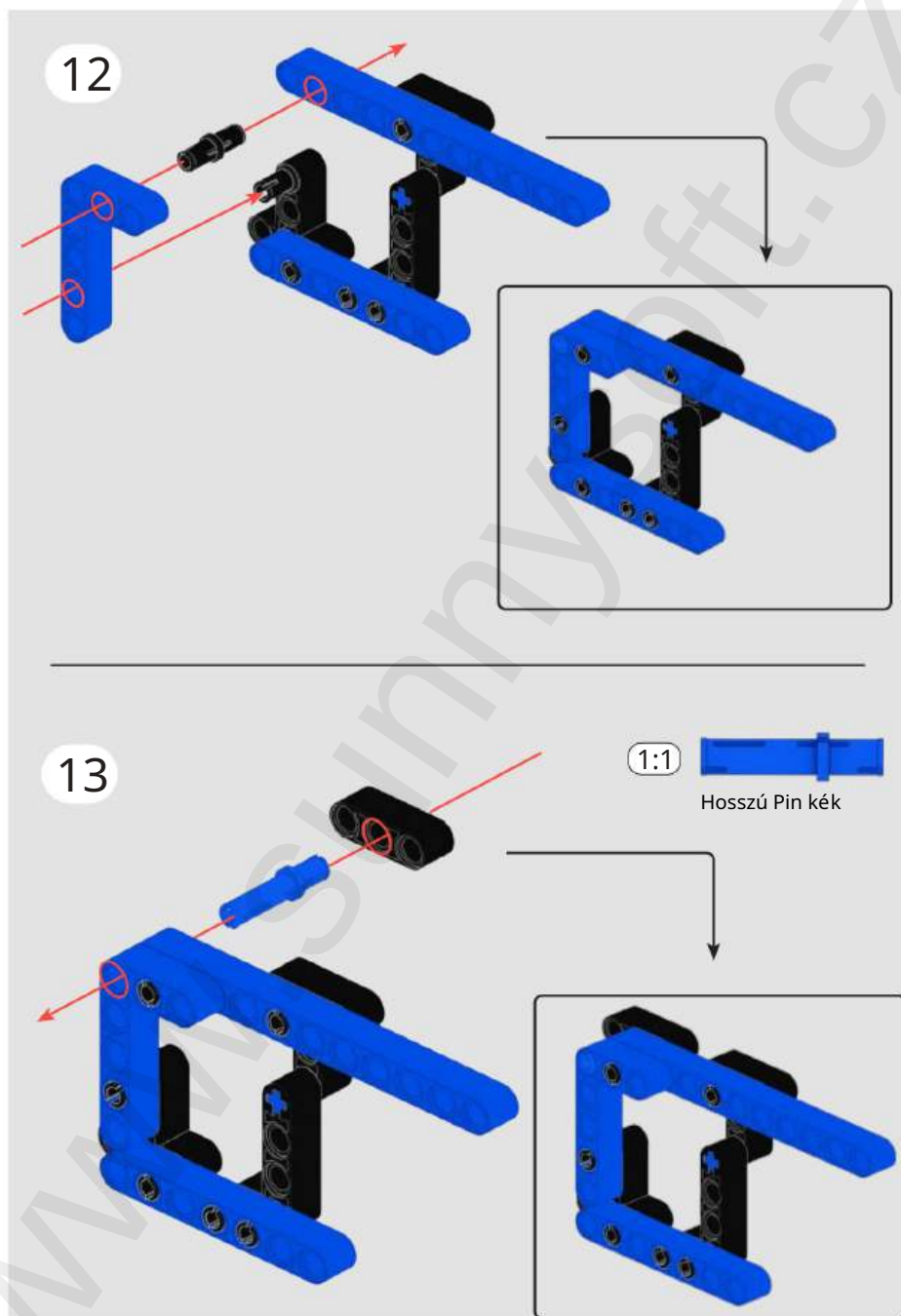


10



11





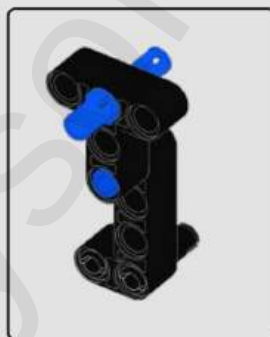
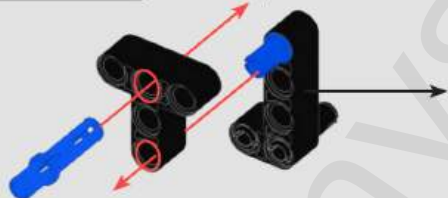
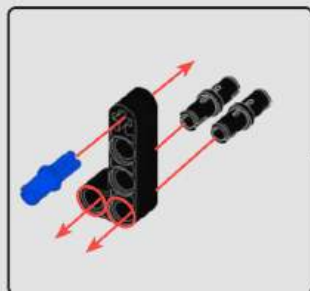
14

Csináljuk a másik oldalt.

1:1

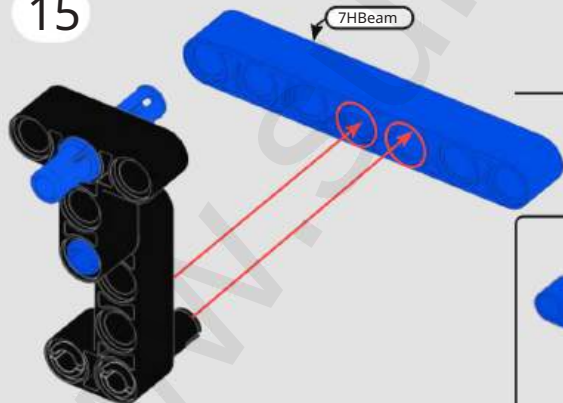


Középső tengelycsap kék

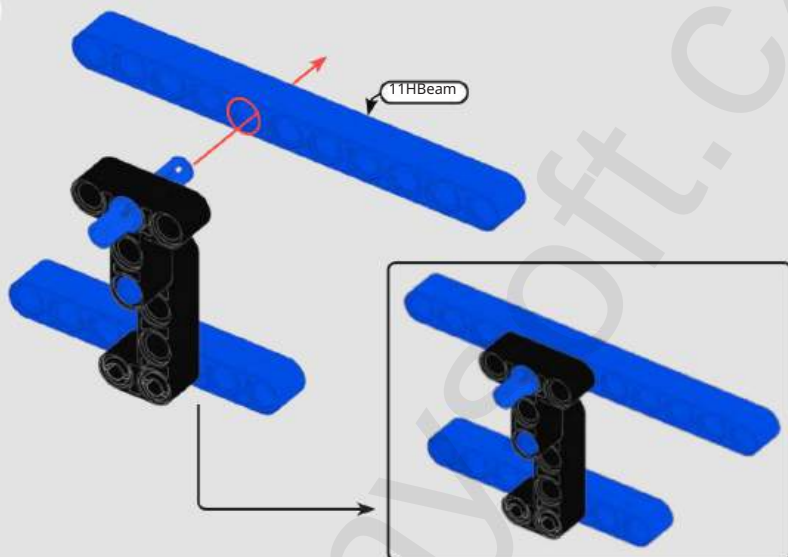


15

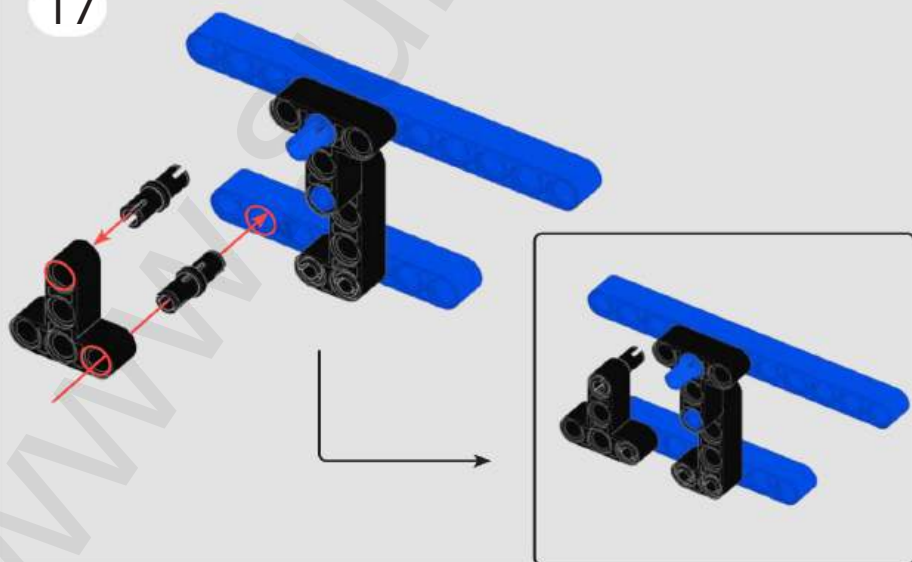
7HBeam



16



17

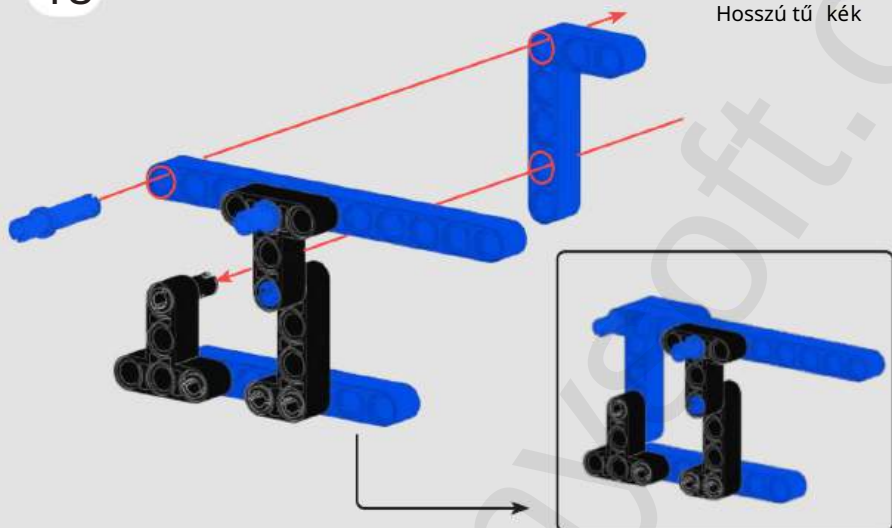


18

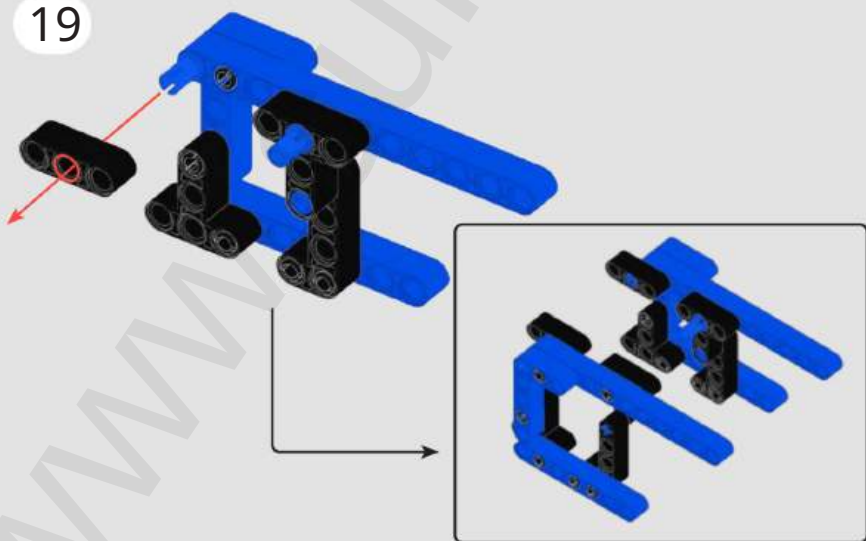
1:1



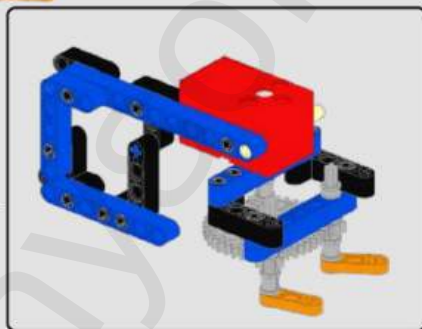
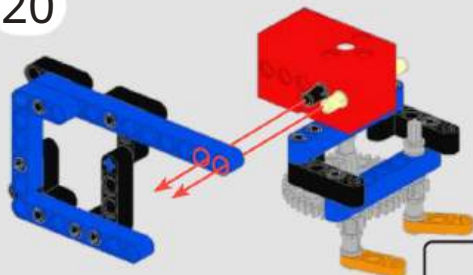
Hosszú tű kék



19

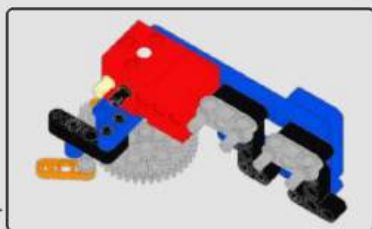
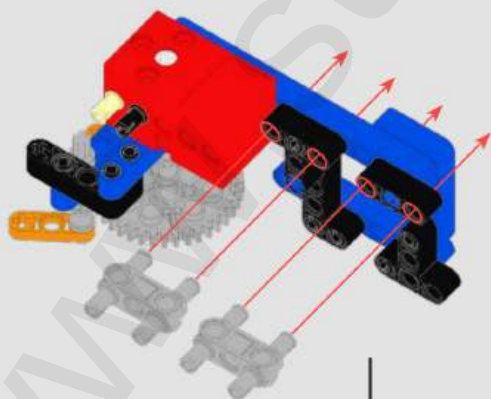


20



21

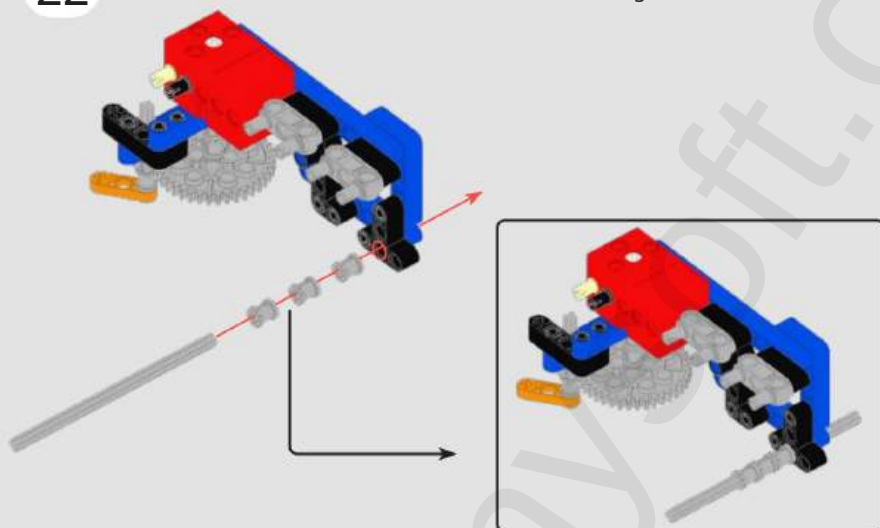
Felülnézet jobb hátulról



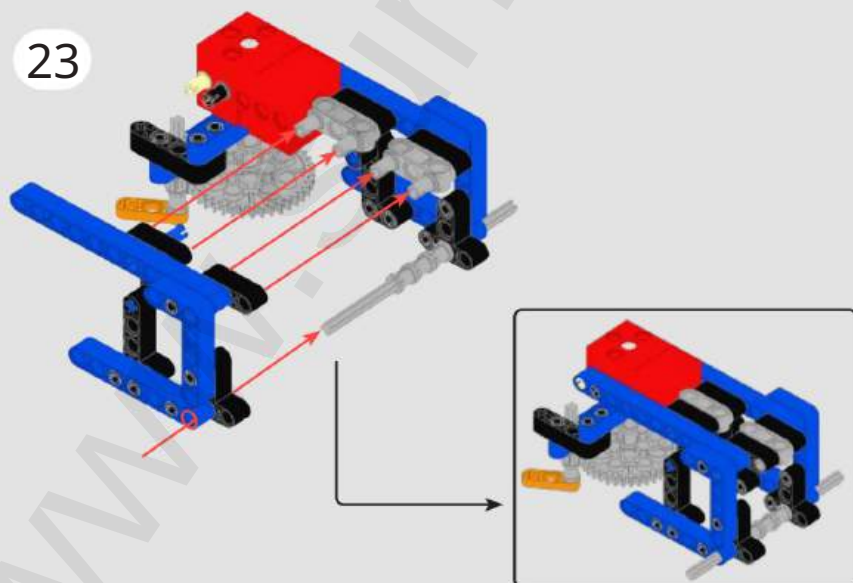
22

1:1

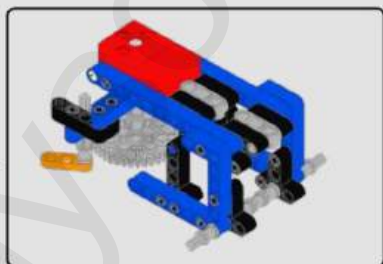
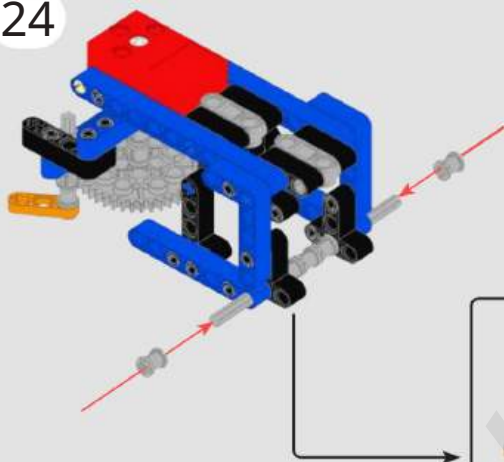
11H orvosság



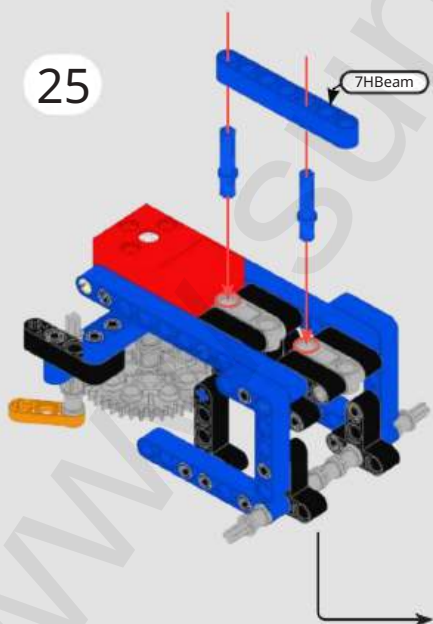
23



24



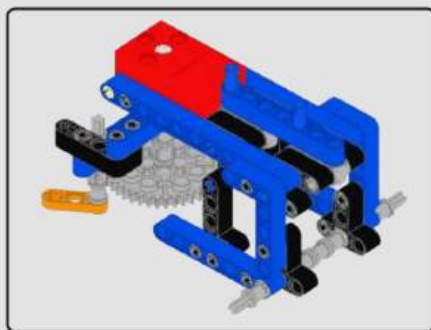
25



1:1



Hosszú Pin kék

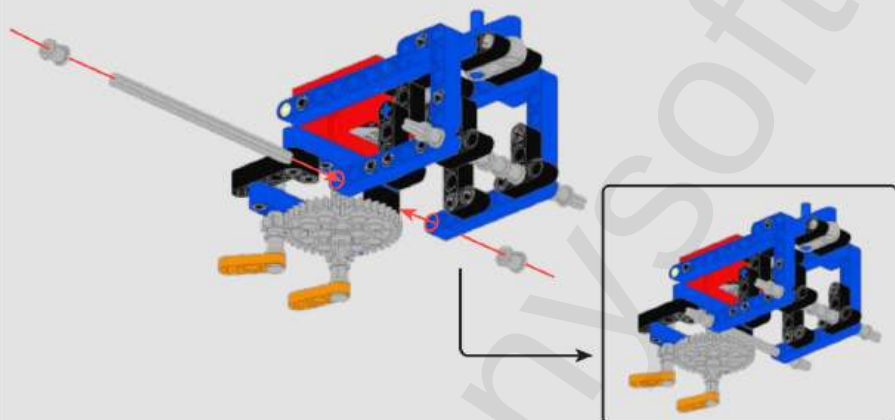


26

Hátulnézet jobbra lent

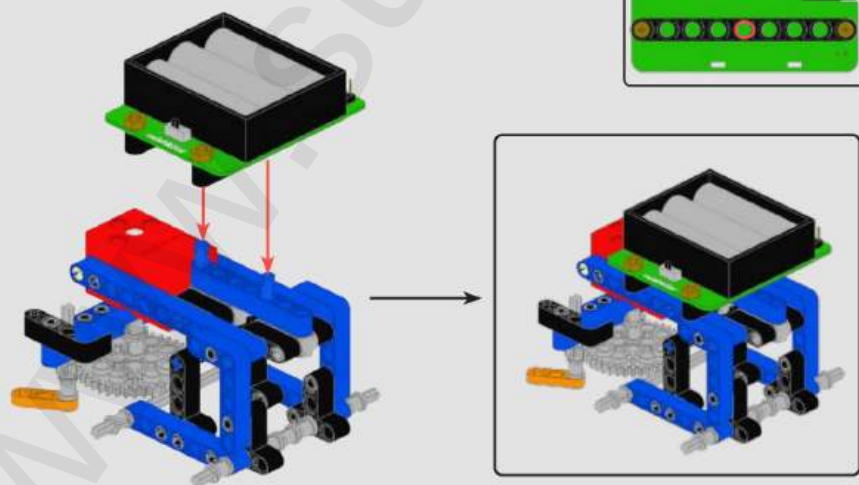
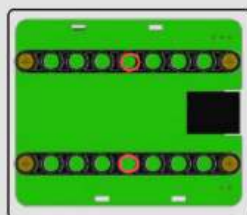
1:1

11H orvosság

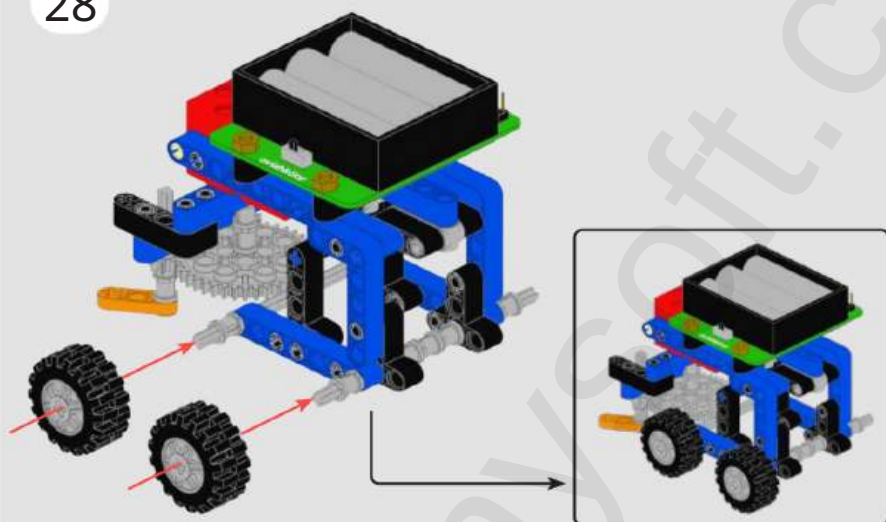


27

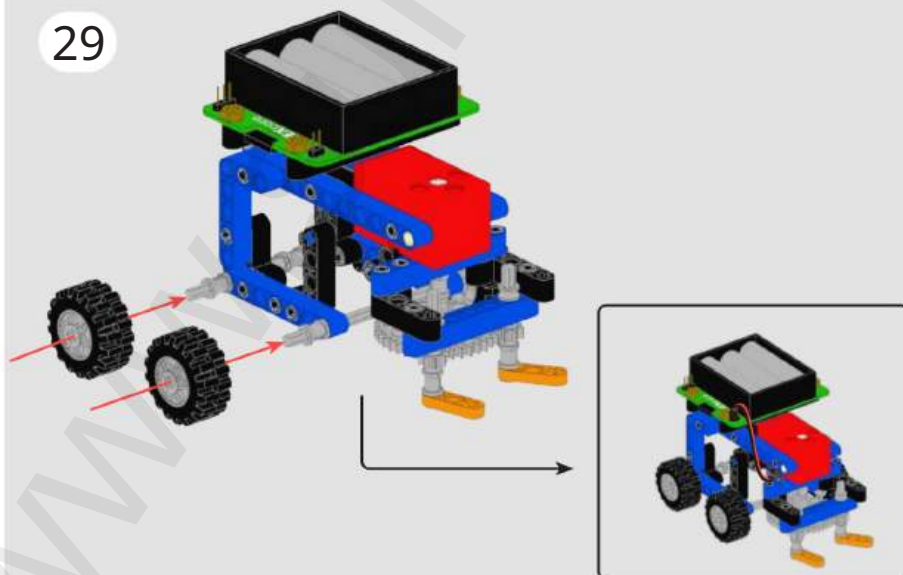
Felülnézet jobb hátulról



28



29



Gratulálunk a befejezéshez ebből a projektből!

Élvezed a játékot a használatával
avishkaar mobilalkalmazás?

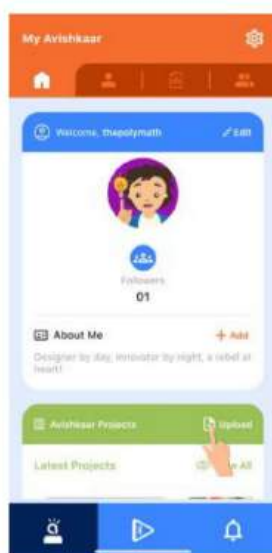
Az alkalmazás letöltésével és a robot
vezérlésével kapcsolatos részletes
utasításokért lépjen a 8. oldalra.



Oszd meg alkotásodat a világgal, és nyerj egy 2. szintű „Scratch the Surface” jelvényt

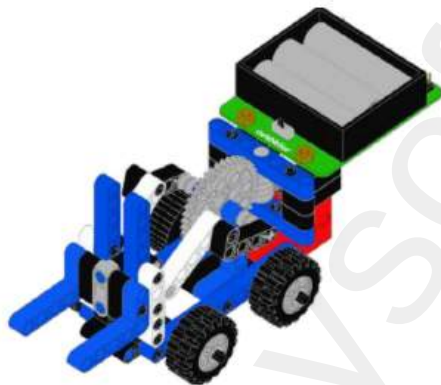
Töltsön fel fotókat vagy videókat a
projektjéről az Avishkaar alkalmazás
projekt részével, és nyerjen egy 2. szintű „Scratch
the Surface” jelvényt.

Tekintse meg az összes gyűjteményét
kitalálókat a www.avishkaar.cc webhelyen lévő
profilod jutalmak részében. Fedezze fel az összes
többi kitalálót, amelyet össze szeretne
gyűjteni, és nyerje meg őket!



4. projekt: Targonca

Építsük!



Olyan dolgok, amelyekre szükségünk van



11H
Gerenda
x2



7H
Gerenda
x4



5H
Gerenda
x4



3H
Gerenda
x7



7H
L-gerenda
x4



1Cx4H
L-gerenda
x6



5HT
Gerenda
x2



Előlső
fogaskerék
40T x 1



Csiga
sebességváltó
- nagy x 1



3Hx4Pin
Konektor
x2



Töltő
tengelyek-nagyok
x4



Töltő
tengelyek
- kicsik
x4



5H lefedett
jávítás
x 1



7H
Jogorvoslat
x 1



10H
Jogorvoslat
x2



Rövid
tű sárga x
2



Közepes
tű -fekete x
22



Közepes
Pin
szürke
x 2



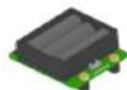
Hosszú
pin-kék x 11



Középső
tengelycsap -kék x 2



Kerék
x 4



Avishkaar
MEXCore
x 1



MEX nagy
DC
motor
x 1

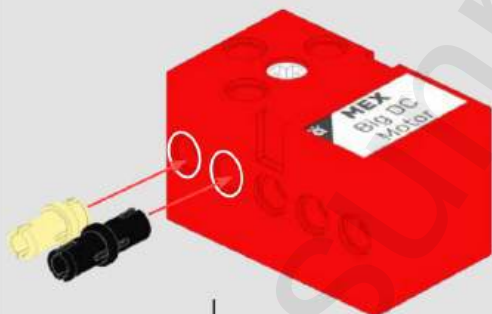
Lépés

1

1:1



Rövid Pin sárga

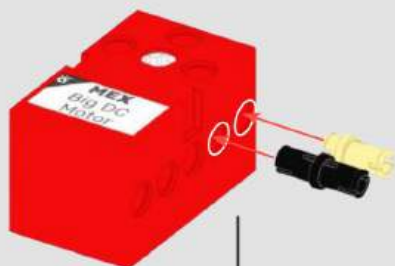


2

1:1

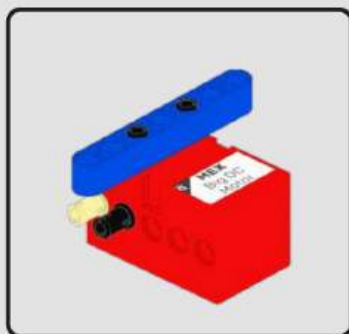


Rövid Pin sárga

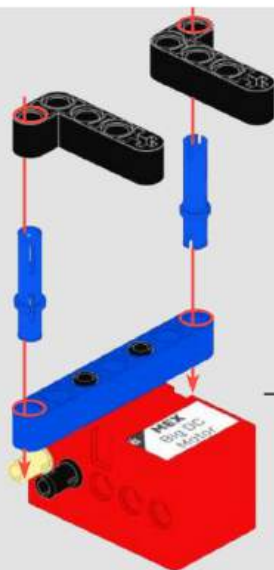


3

7HBeam



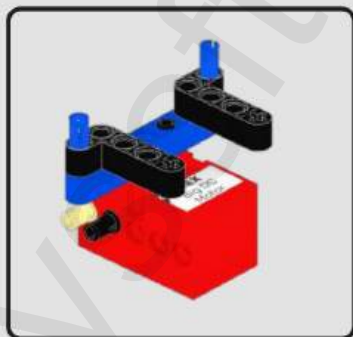
4



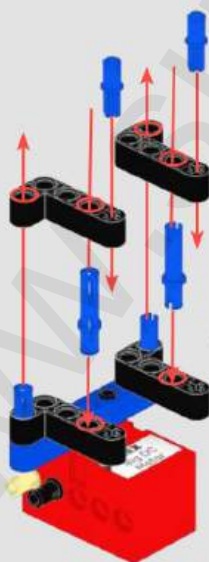
1:1



Hosszú tű kék



5

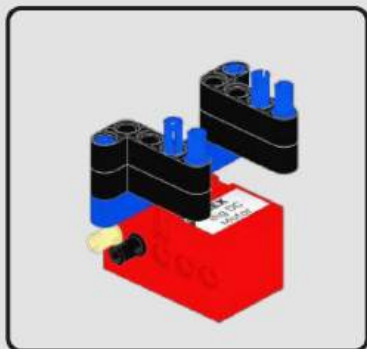


1:1

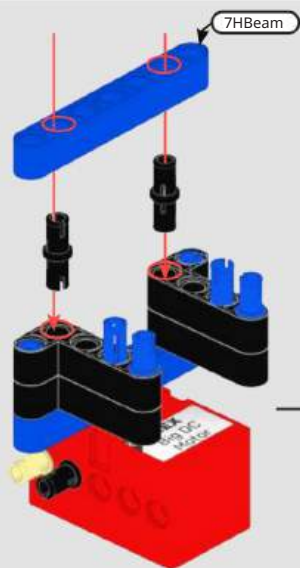


Hosszú tű kék

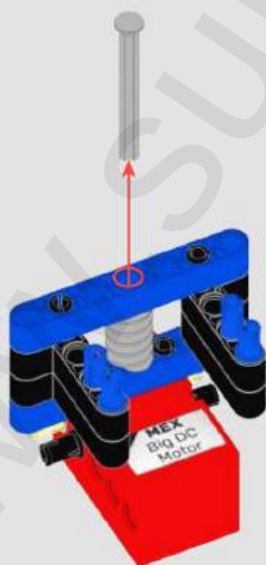
1:1

Középső tengelycsap
Kék

6



7

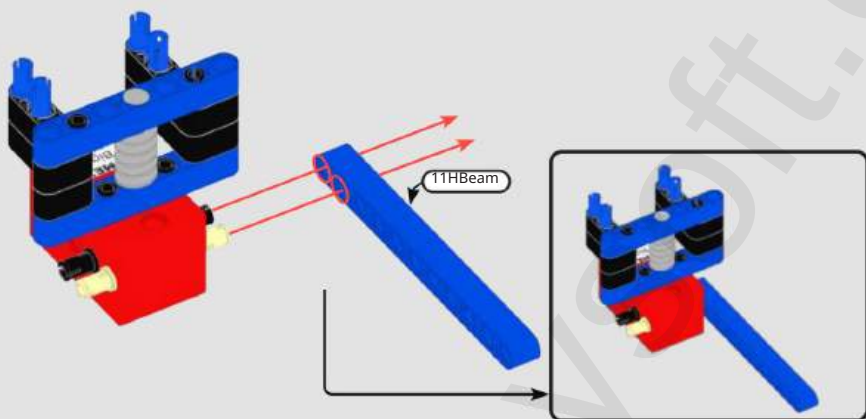


1:1



5H fedett tengely

8

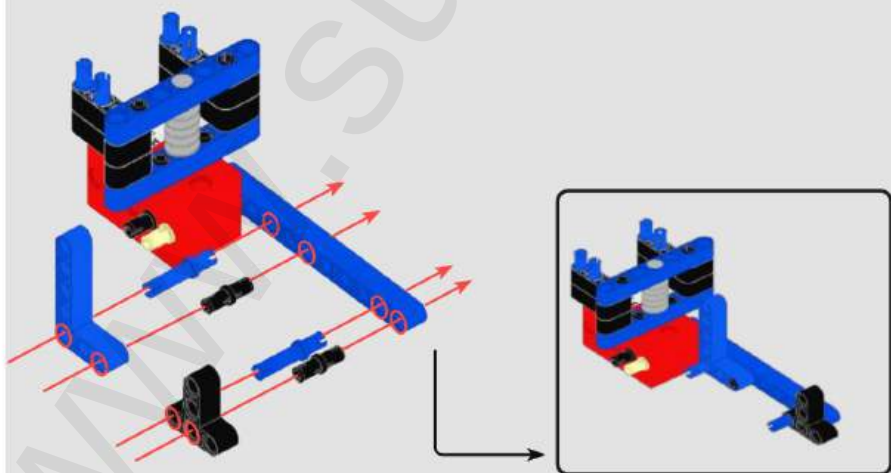


9

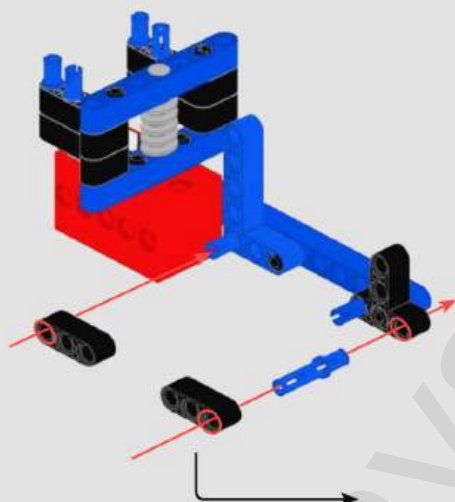
1:1



Hosszú tű kék



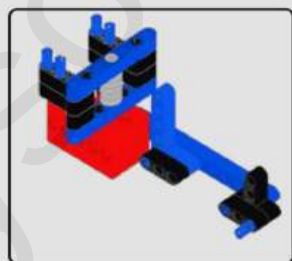
10



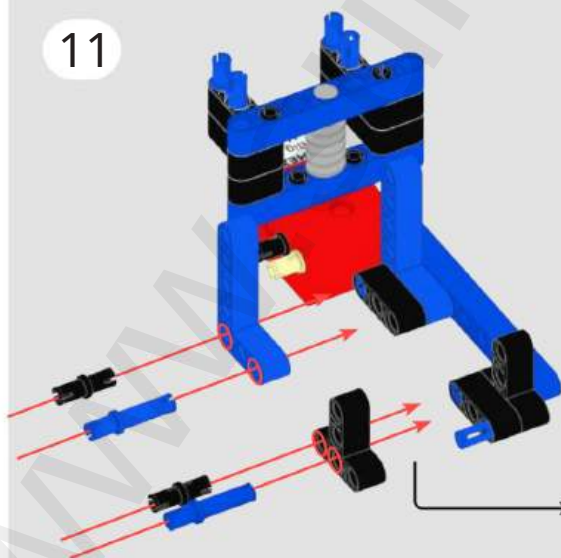
1:1



Hosszú tű kék



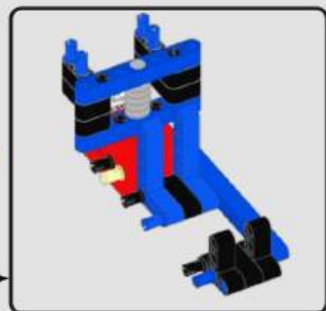
11



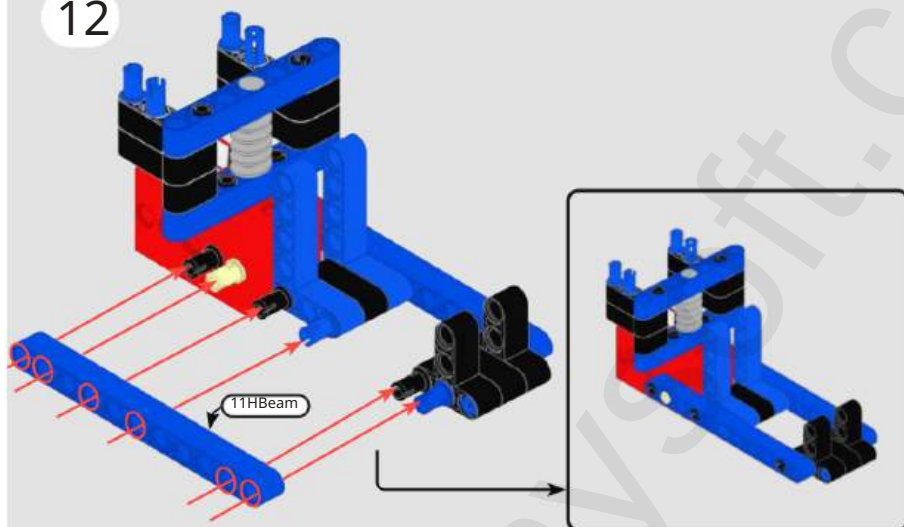
1:1



Hosszú tű kék



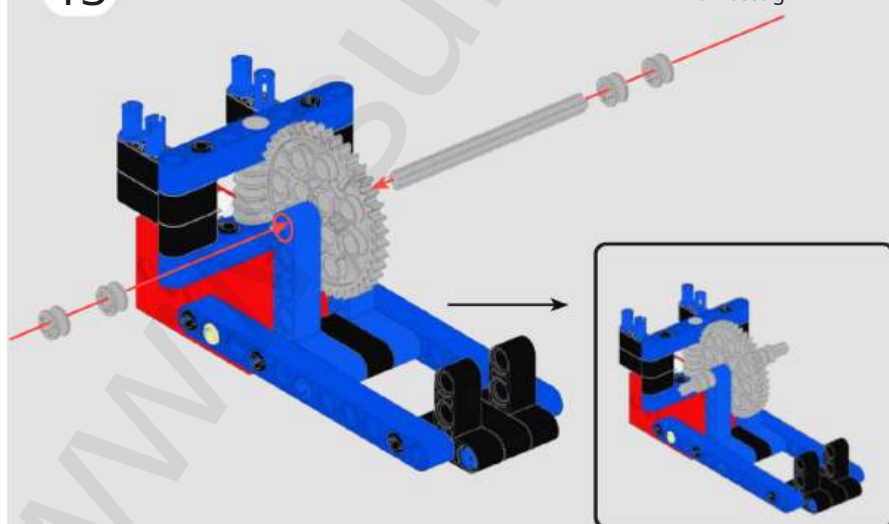
12



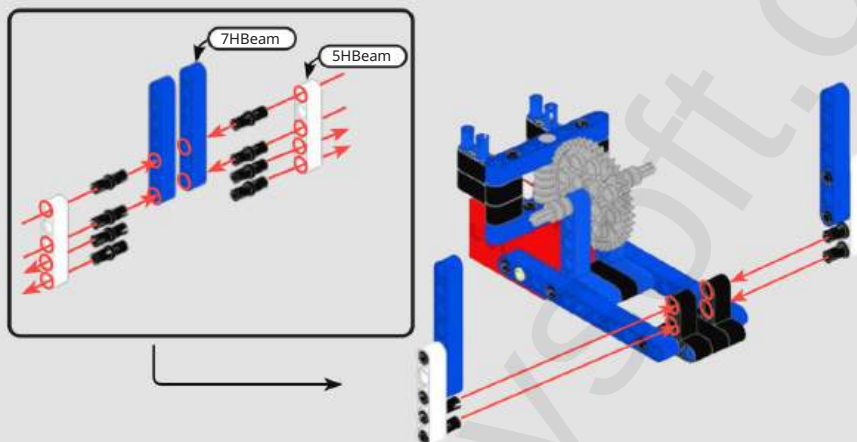
13

1:1

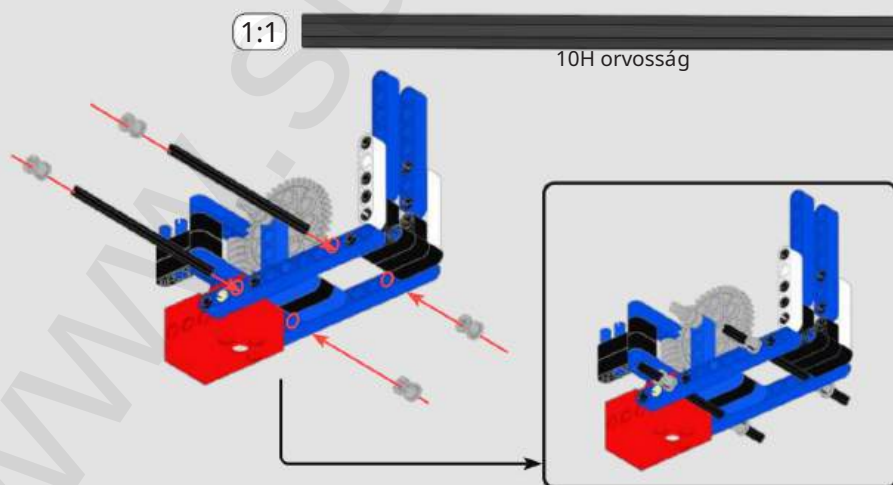
7H orvosság



14



15 Előlnézet bal alsó

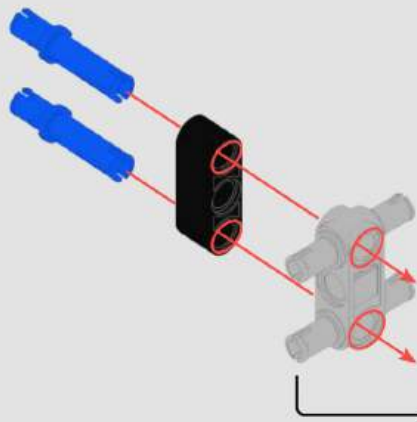


16

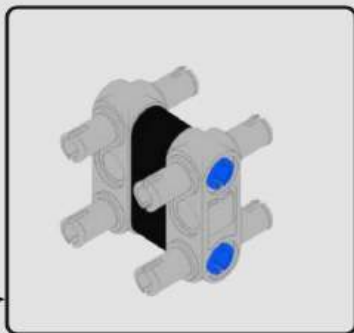
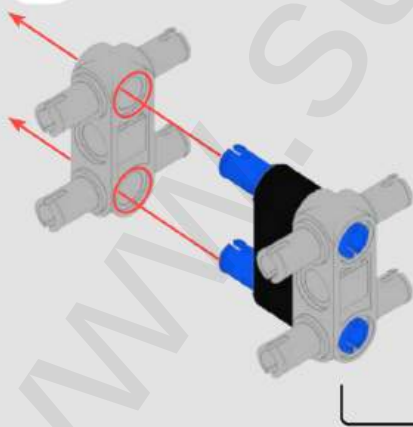
1:1



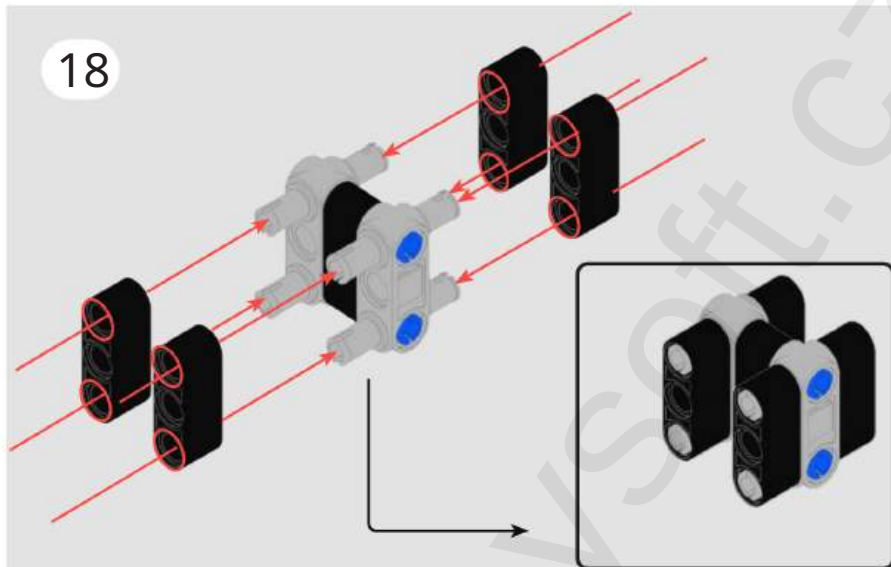
Hosszú tű kék



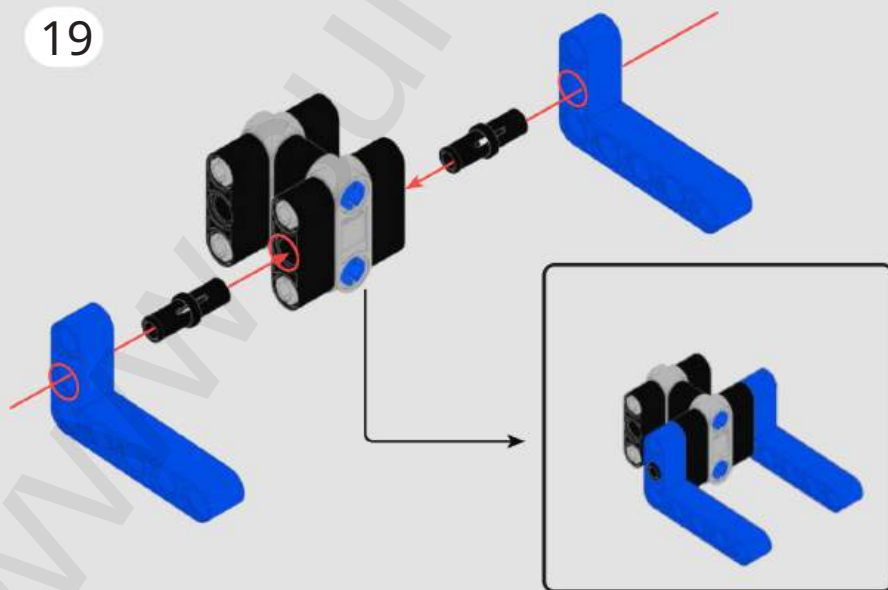
17



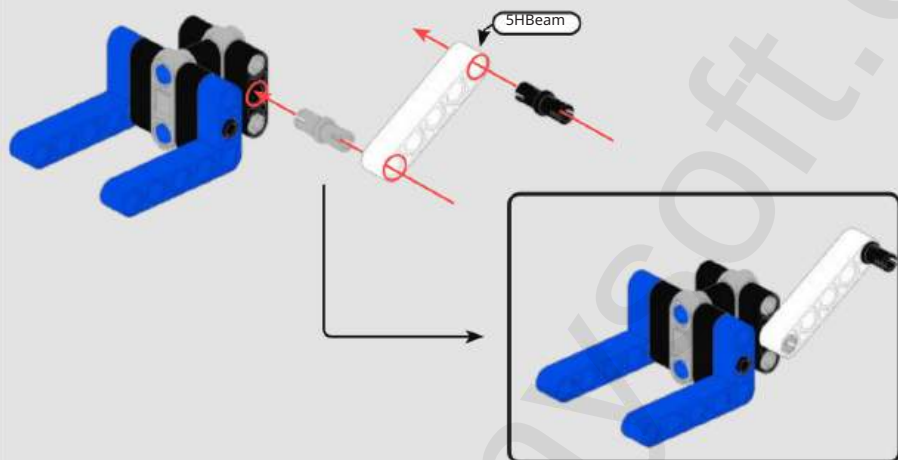
18



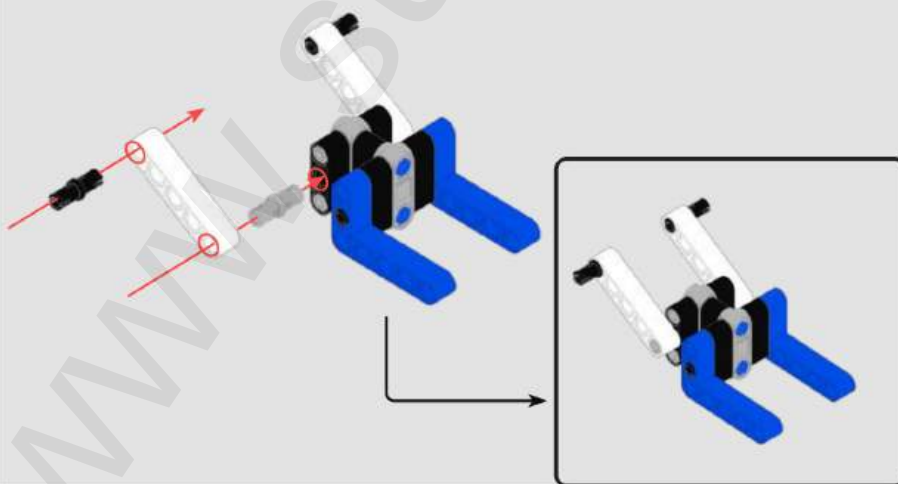
19



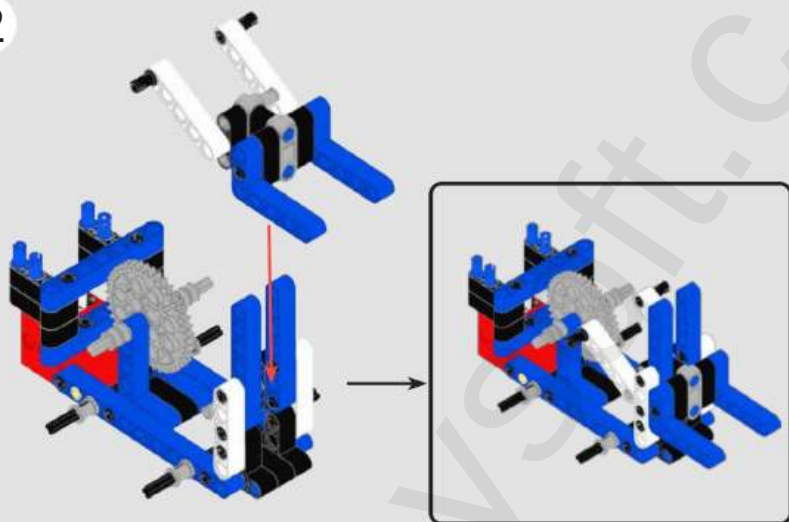
20



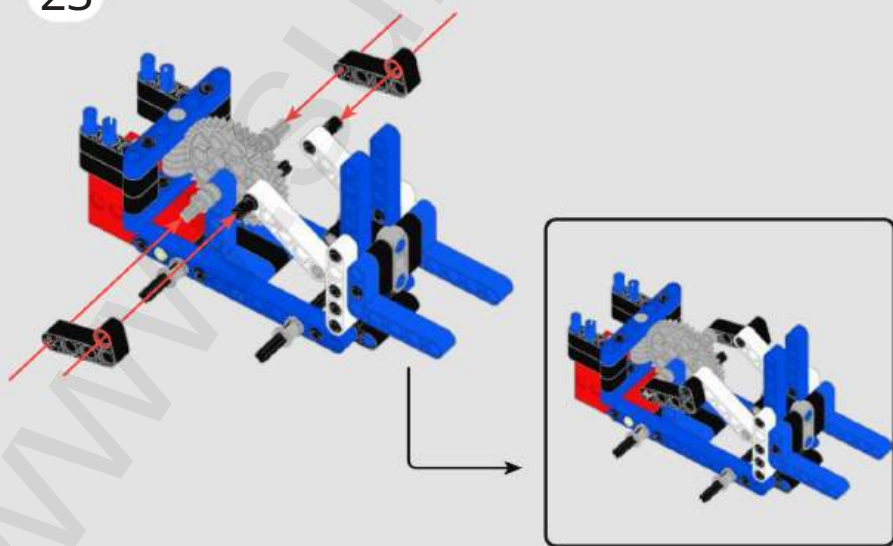
21



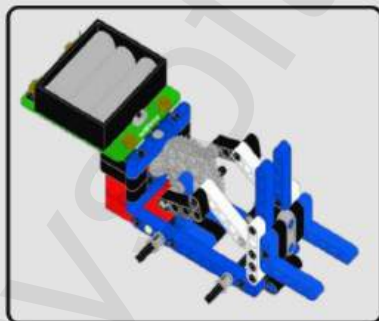
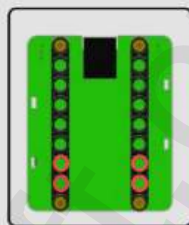
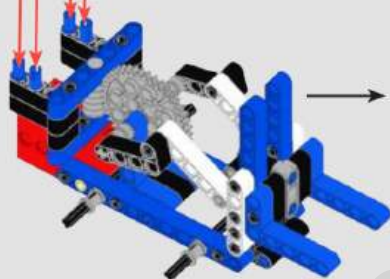
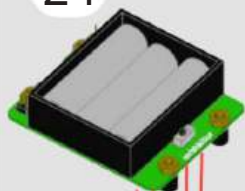
22



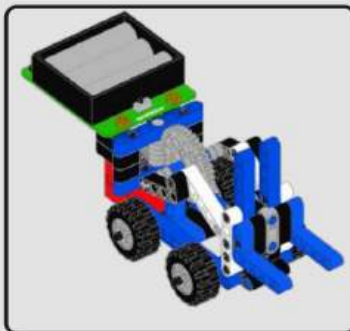
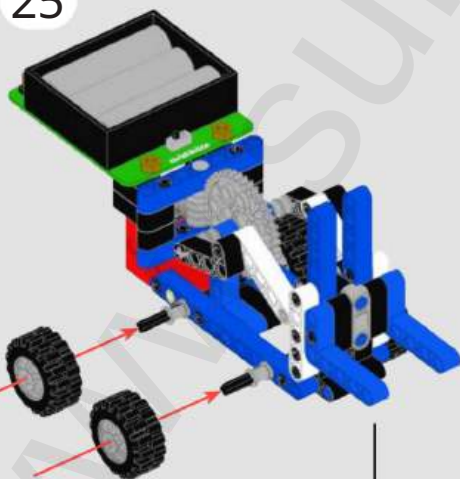
23



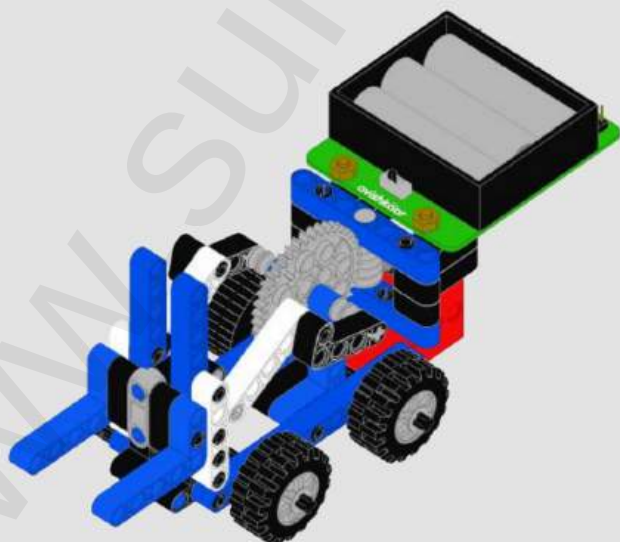
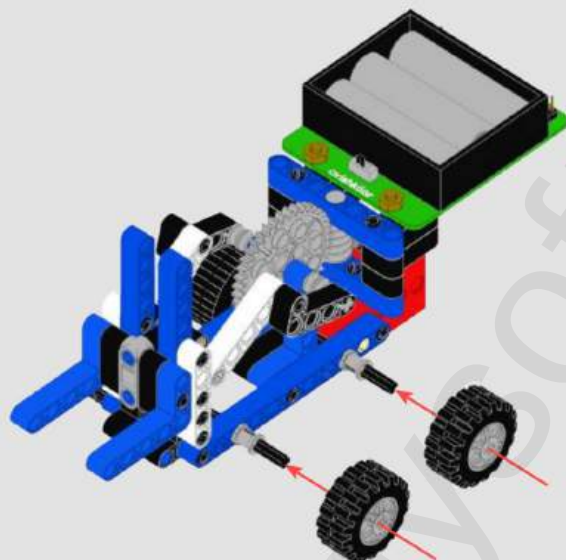
24



25



26



Gratulálunk a befejezéshez ebből a projektből!

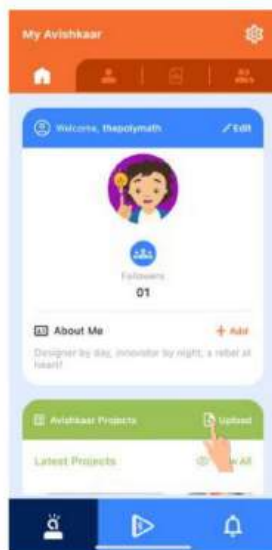
Élvezed a játékot a használatával
avishkaar mobilalkalmazás?
Az alkalmazás letöltésével és a robot
vezérlésével kapcsolatos részletes
utasításokért lépjen a 8. oldalra.



Oszd meg alkotásodat a világgal, és nyerd egy 3. szintű „Scratch the Surface” jelvényt

Töltsön fel fotókat vagy videókat a
projektjéről az Avishkaar alkalmazás
projektrészével, hogy megszerezze a „Scratch
the Surface” 3. szintű jelvényt

Tekintse meg az összes gyűjteményét
kítűzőket a www.avishkaar.cc profilod jutalmak
részében. Fedezze fel az összes többi kítűzőt,
amelyet össze szeretne gyűjteni, és nyerd
meg őket!



5. projekt: Dobby Robot

Építsük!



Olyan dolgok, amelyekre szükségünk van



9H sugár x 6



5H Nyaláb x
4



3H
Gerenda
x4



7H
L-gerenda
x 4



1Cx4H
L-gerenda
x 4



5HT
Gerenda
x2



1Cx1H
Gerenda
x 2



2Cx1
Vékony gerenda x
1



3Hx4Pin
Csatlakozó
x2



Tengelytöltő
- kicsi
x 2



3H tengely x 2



Rövid
Pin-sárga
x 1



Hosszú
tű -kék x 10



Közepes tű
fekete
x 18

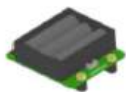


Középső
tengelycsap -kék x 4

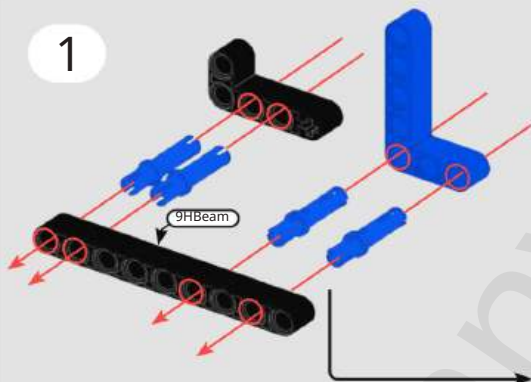


Közepes

tű szűrő x 4

Avishkaar
MEXCore x 1MEX nagy
DC
motor x 1Hosszú
tű sárga x
23Cx2H
Vékony -D
x 2

1

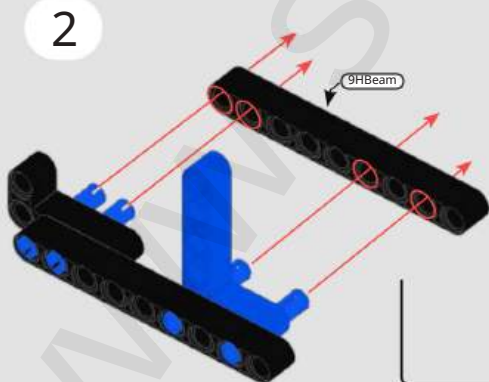


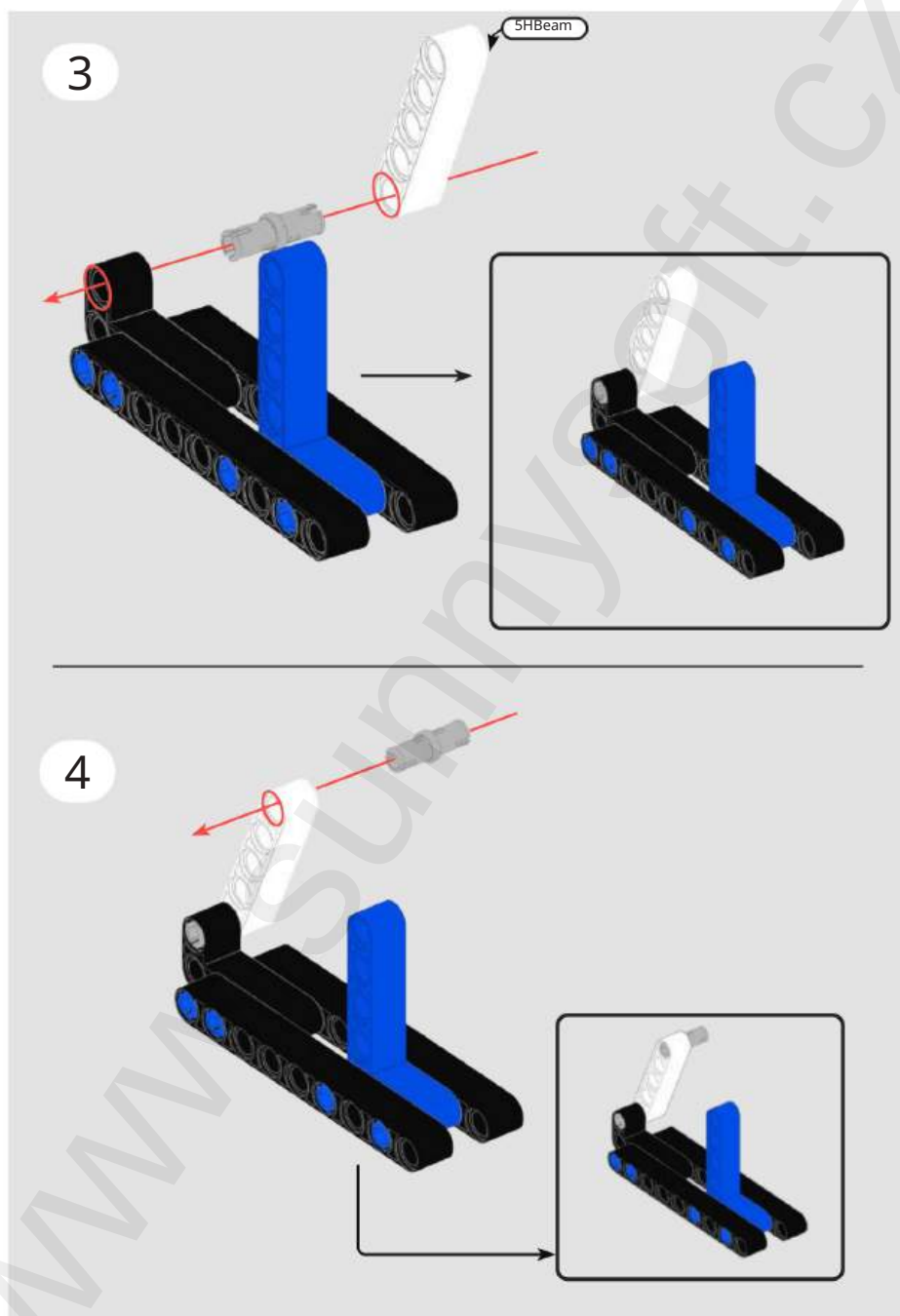
1:1



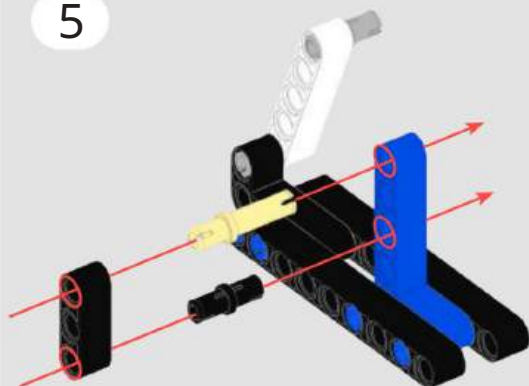
Hosszútű -kék

2





5



1:1

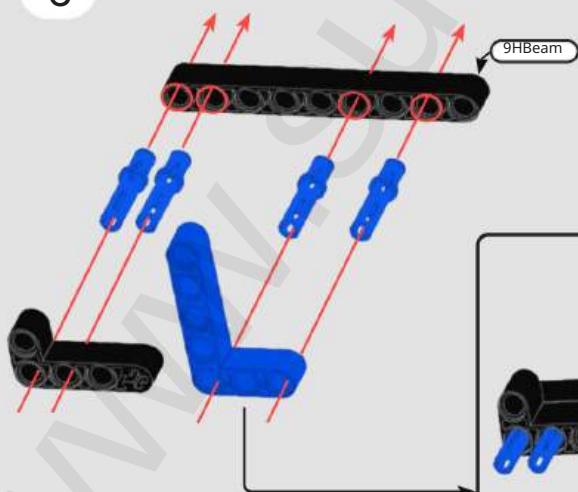


Hosszú tű sárga



6

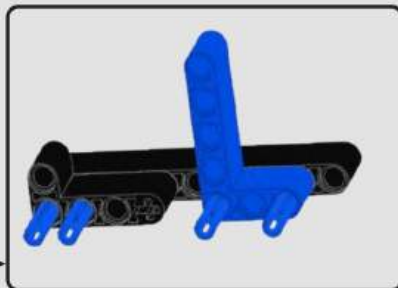
Csináljuk meg a tű kör oldalát.



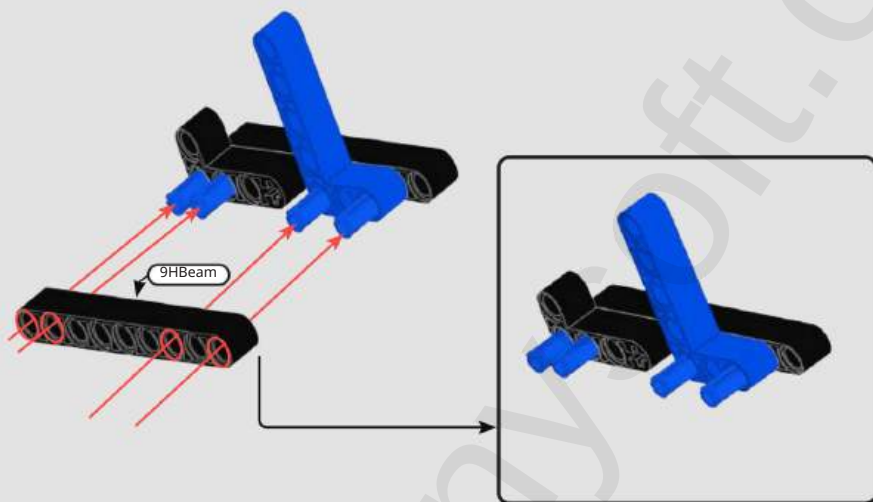
1:1



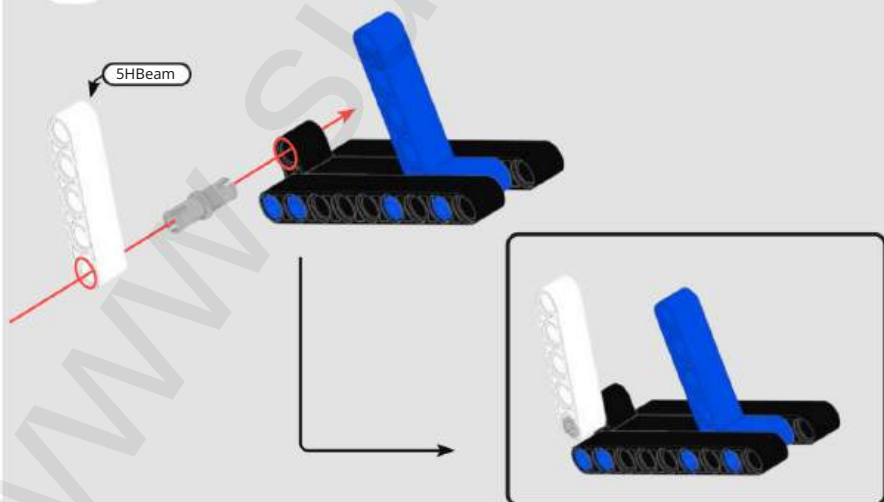
Hosszú tű -kék



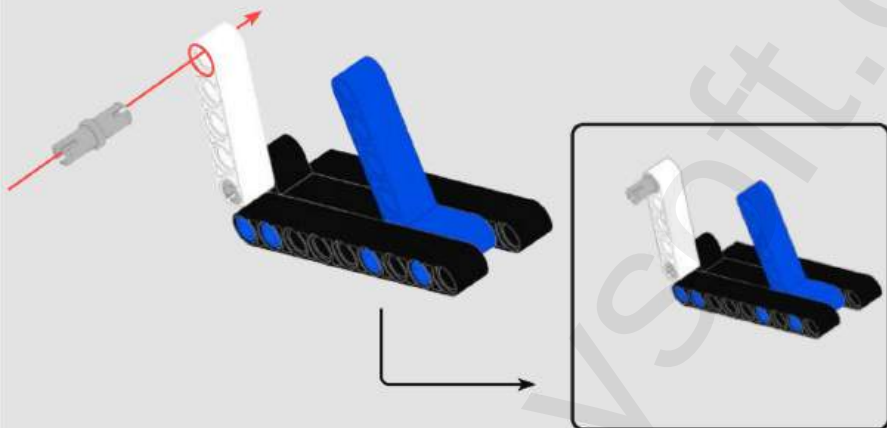
7



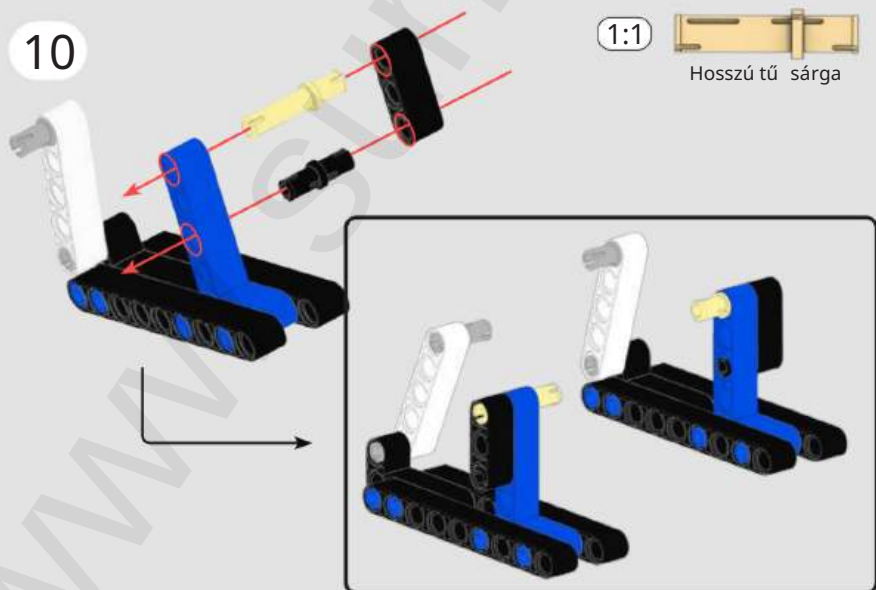
8



9



10

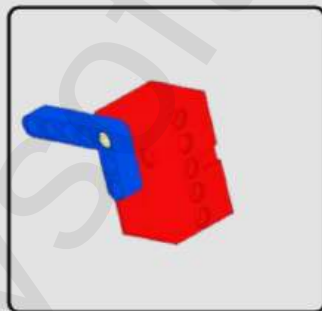
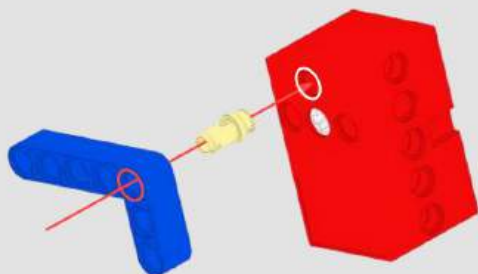


11

1:1



Rövid tű sárga

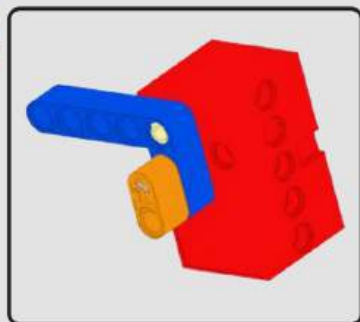
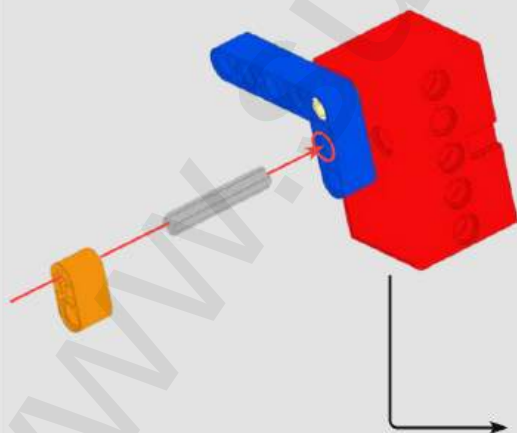


12

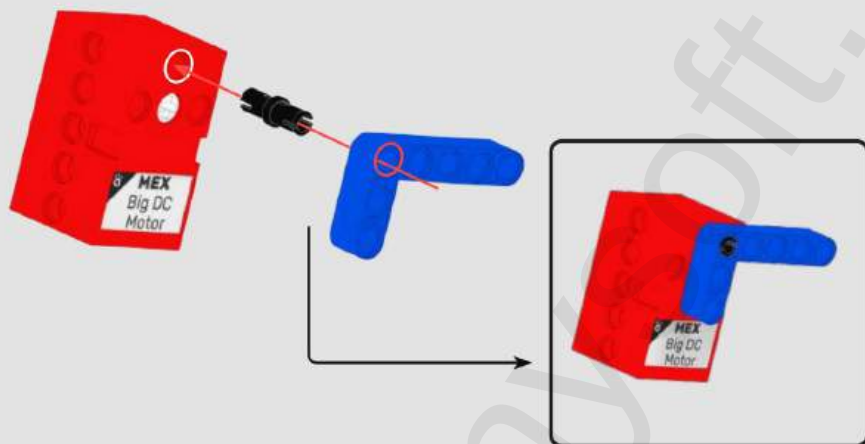
1:1



3H orvosság



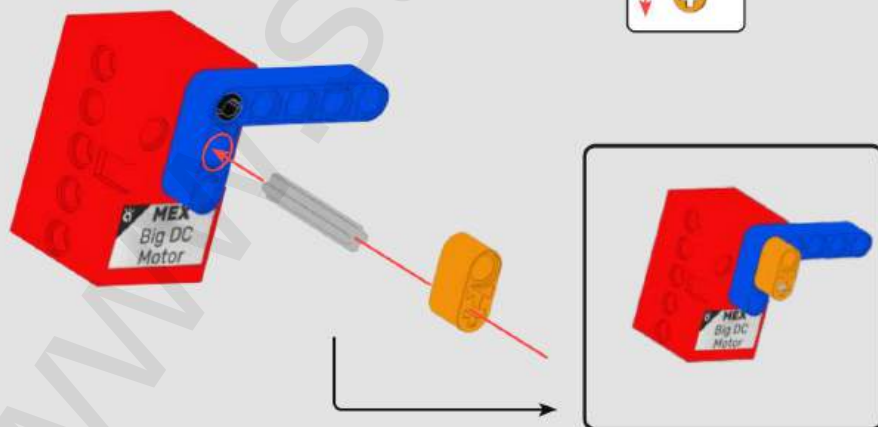
13



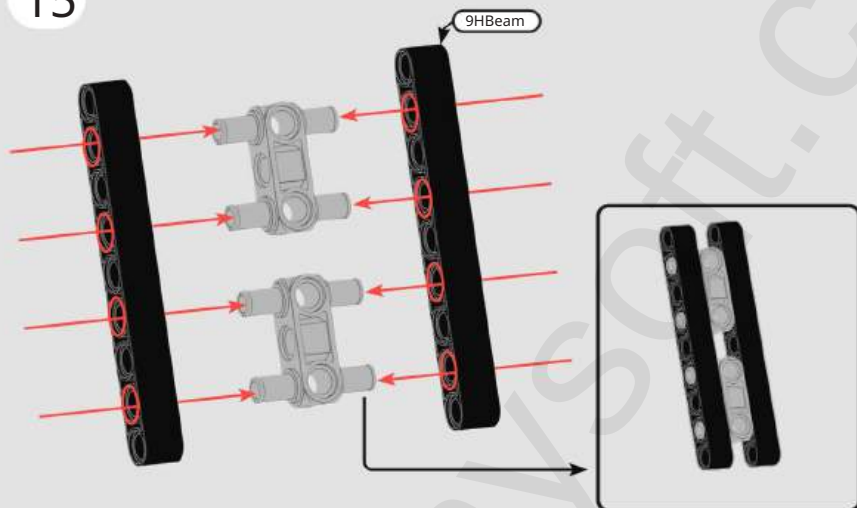
14

1:1

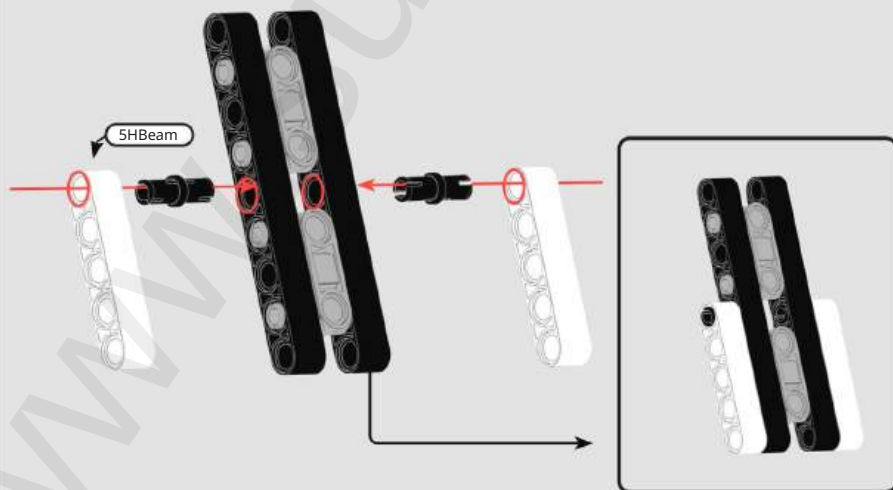
3H orvosság



15



16

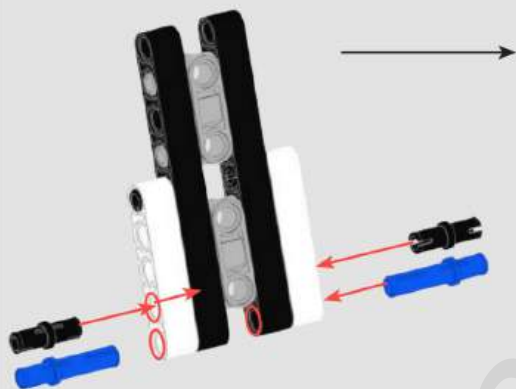


17

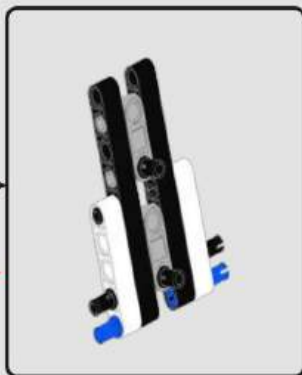
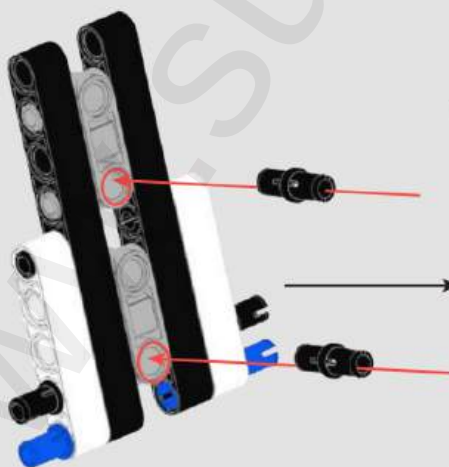
1:1



Hosszú tű kék

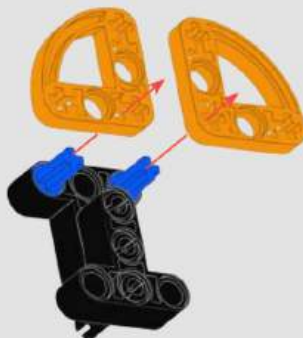
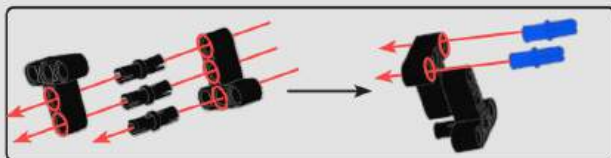


18

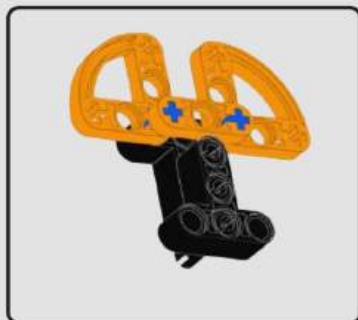
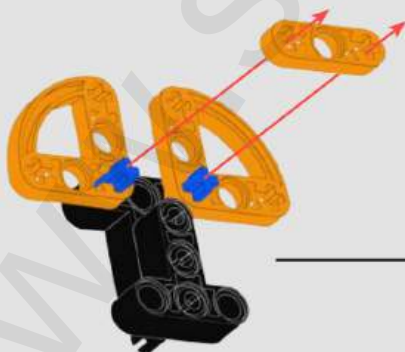


19

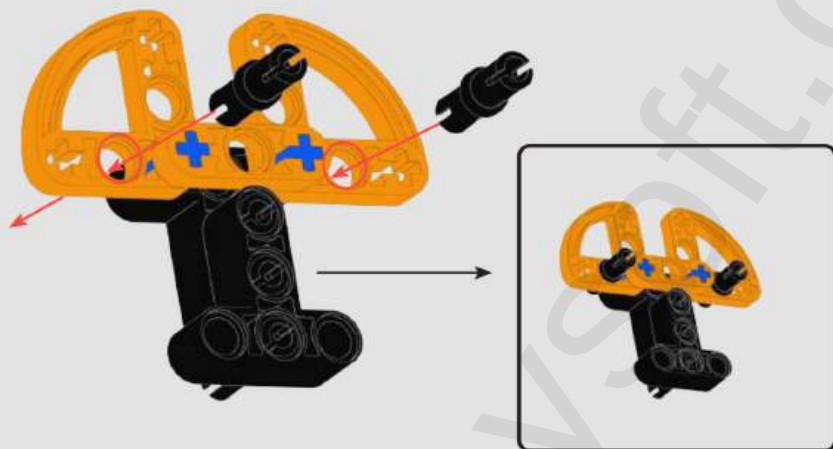
1:1

Középső tengelycsap
kék

20



22

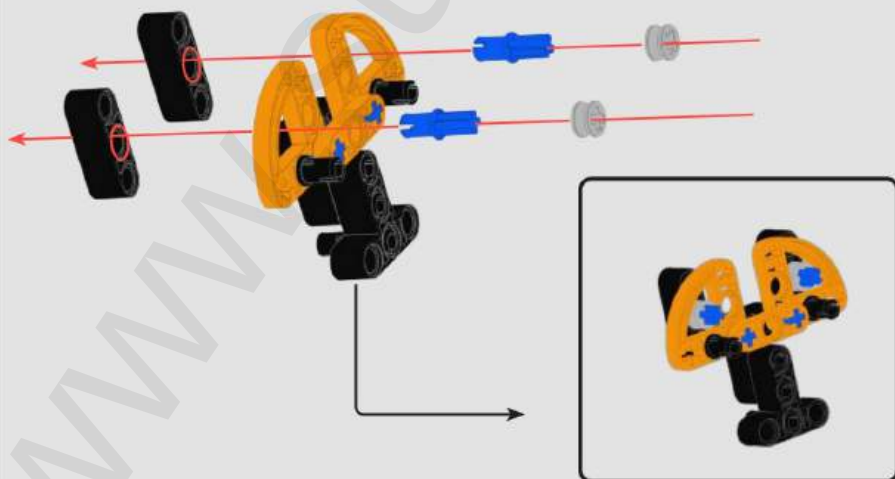


23

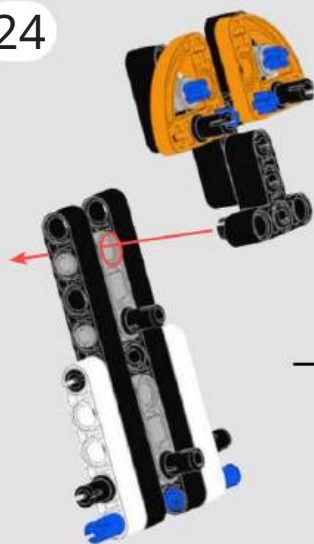
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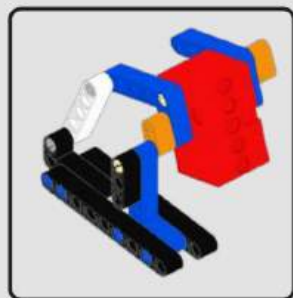
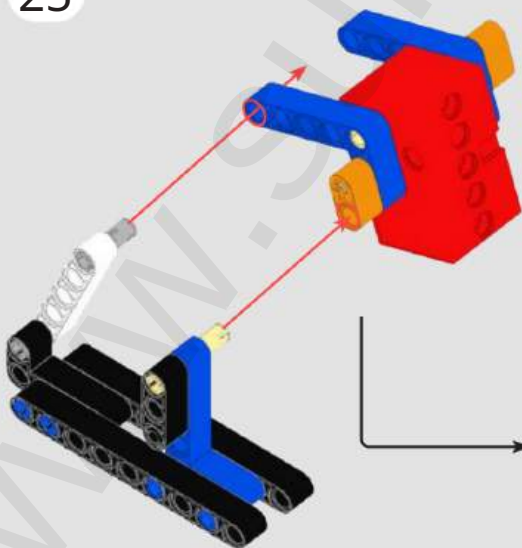
Középső tengelycsap kék



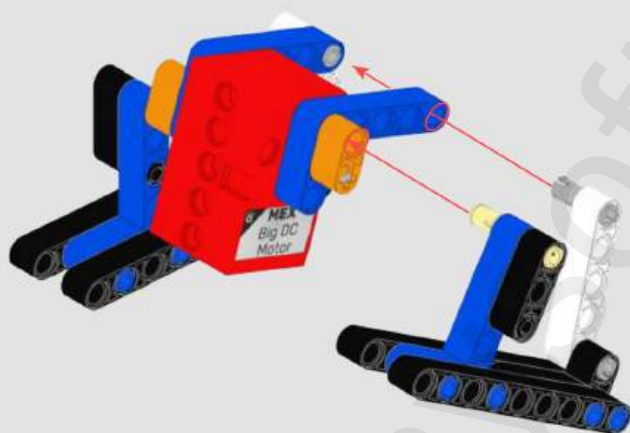
24



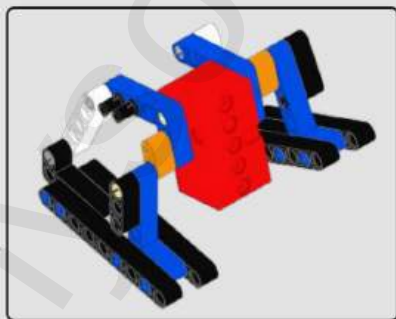
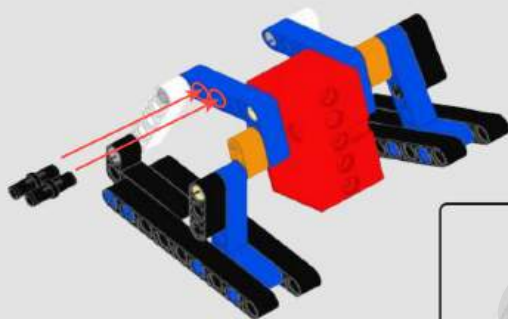
25



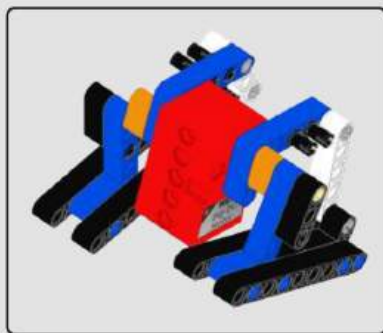
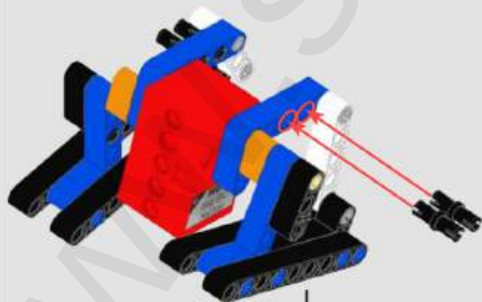
26



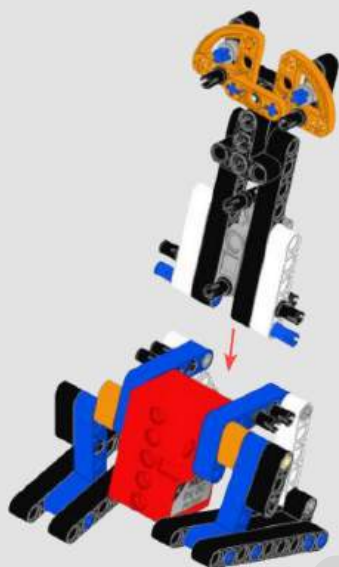
27



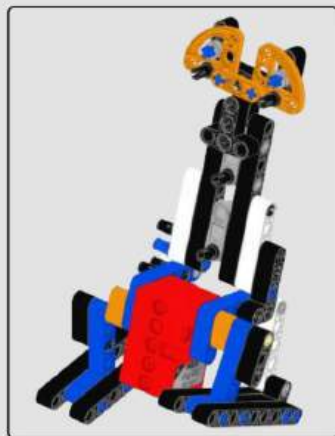
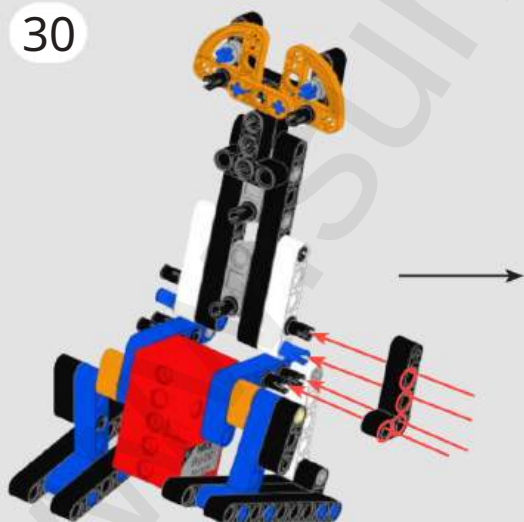
28



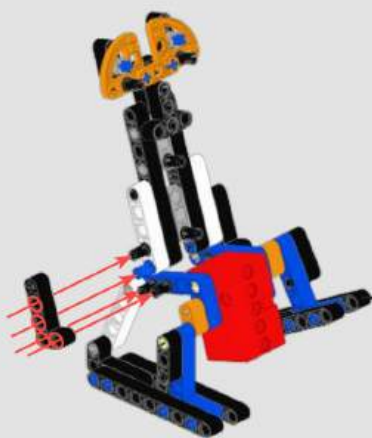
29



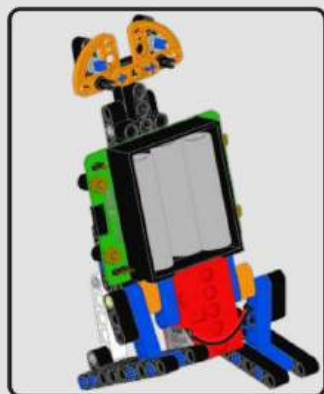
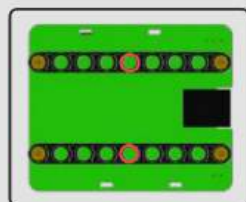
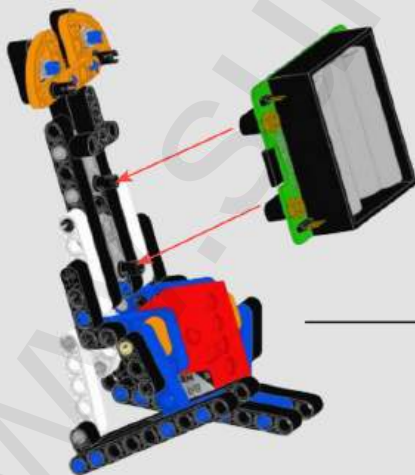
30



31



32



Gratulálunk a befejezéshez ebből a projektből !

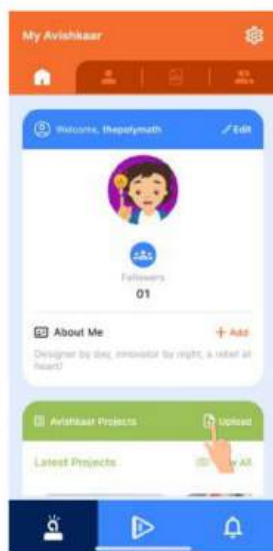
Élvezed a játékot a használatával
avishkaar mobilalkalmazás?
Az alkalmazás letöltésével és a robot
vezérlésével kapcsolatos részletes
utastájékoztatóért lépjen a 8. oldalra.



Oszd meg alkotásodat a világgal, és nyerd „Scratch the Surface” 3. szint

Töltsön fel fotókat vagy videókat a projektjéről az
Avishkaar alkalmazás projektrészével, és nyerd meg
„Scratch the Surface” szintű jelvényt.

Tekintse meg az összes gyűjteményét
kötőket a www.avishkaar.cc profilod jutalmak
részében. Fedezze fel az összes többi kötőket,
amelyeket össze szeretne gyűjteni, és nyerd meg őket !



Problémával állsz szemben?

Technikai támogatásunk ezekben az időpontokban áll rendelkezésére – hétfő től szombatiig : 9:00-20 : 00 vasárnap és 3. szombat: 9:00-18:00



Szoftver
problémák



Használhatósági problémák



Hardver
problémák

Lépjén kapcsolatba az ügyfélszolgálattal a QR-kód beolvasásával.



support@avishkaar

+91-8506931515

Szállító /forgalmazó

Sunnysoft sro
Kovanecka 2390/1a
190 00 Prága 9

Csehország
www.sunnysoft.cz

avishkaar

+91 - 8506931515 support@avishkaar.cc www.avishkaar.cc



@AvishkaarEdu

MEX

Начален комплект за
роботика

Ръководство за потребителя





„Не мечтаю за успех,
работя за него!“

Съдържание

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| Клетвата на иноватора | 06 |
| Разгледайте своя комплект | 07 |
| Проверка на бронята | 13 |
| Всичко за осите | 16 |
| Проект 1: MEX mobile | 17 |
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| Отстраняване на неизправности и помощ | 104 |

Възползвайте се максимално от вашия комплект

Иновирайте



Положете клетвата на иноватора

Положете Клетвата за новатор, спомената на страница 6, и разберете какво означава тя да бъде новатор.



Научете се да

използвате

ръководството/видеоклиповете

Следвайте подробните инструкции в ръководството и се научете да създавате вълнуващи роботи с помощта на вашия комплект.



Изградете,

кодирайте и

контролирайте

Създавайте иновативно проекти с помощта на вашия комплект и контролирайте използваните роботи Avishkaar Remote и код с помощта на Avishkaar Maker Studio.

Споделете

Печелете



Присъединете се към Нека Авишкар

Присъединете се към
нашата FB общност -
свържете се с новатори
и получите най-новите
актуализации за уебинари.



Качване на проекти Качване на проекти в

www.avishkaar.cc и ги споделяйте
с иноватори по целия свят.



Международен Състезания

Участвайте в седмични,
месечни и годишни
състезания и печелете
по целия свят.



Клетвата на иноватора

Положете клетва за новатор по-долу, за да се ангажирате с доживотен ангажимент за иновации и решаване на проблеми. Споделете снимката във FB общността Let's Avishkaar.

I (write your name)

*solemnly swear that, since I am
now on the path of innovation,*

*I will not give up until my
innovation, my project is ready.*

*I will hone my skills and tools
and use them well. Innovation
and I will be inseparable.*

*I will always share my
innovations with other
innovators and learn with them.*

Your Signature



За проучване на
вашия комплект

Добре дошли в Aviskaar

Изтеглете приложението Aviskaar

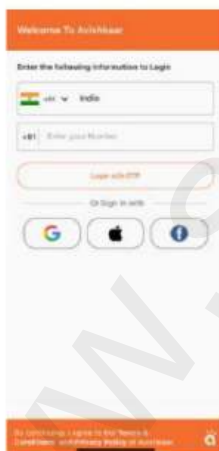
Изтеглете приложението Avishkaar, като сканирате QR кодовете по-долу:



1

Създайте акаунт

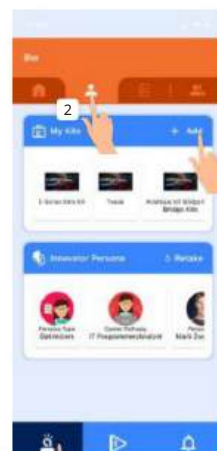
Отворете приложението и следвайте инструкциите на екрана, за да създадете акаунт.



2

Регистрирайте своя комплект

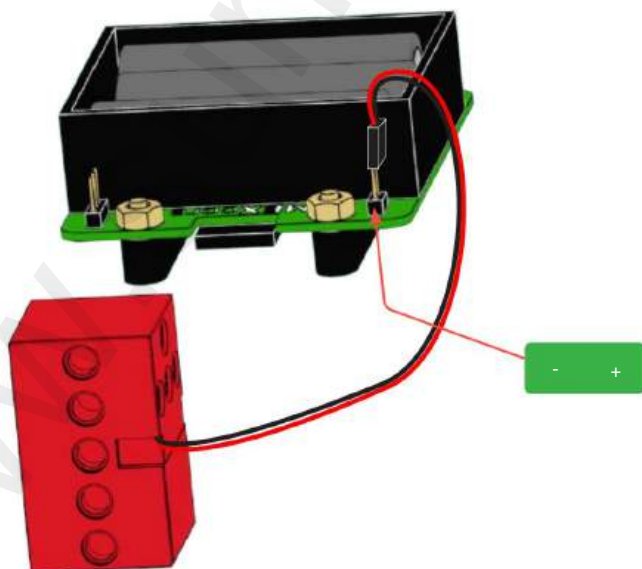
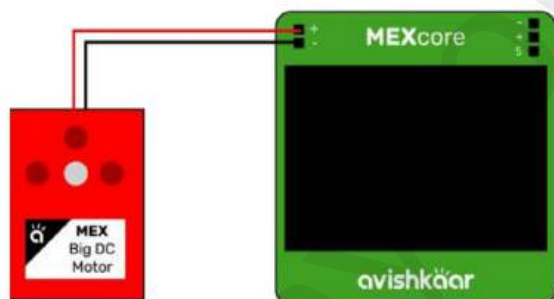
Отидете в секцията „Профил“ в приложението и щракнете върху „+ Добавяне на друг“ в секцията „Моите комплекти“, за да регистрирате своя комплект. Тази стъпка е важна за по-късно управление на работата.



3

Product Registration
Sticker

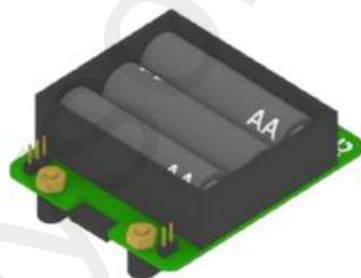
Как да свържете мотор към MEXcore



Контрол на приложението

- 1 Поставете батериите в MEXcore и го включете. Ще забележите , че MEXcoreLED мига зелено.

Забележка - Използвайте само AA алкални батерии. (Всеки друг тип може да повреди MEX ядрото.)



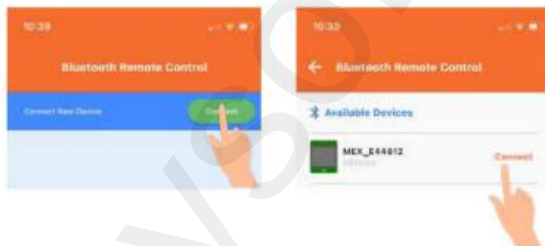
- 2 Включете Bluetooth на телефона си.



- 3 Отворете приложението Avishkaar и щракнете върху бутона „Пускане“ в секцията „Начало“.



- 4 Щракнете върху „Свързване“. Вашето приложение трябва да може да намери вашия MEXcore, ако е включено. След като приложението разпознае вашия MEXcore, щракнете върху "Свързване".



- 5 Кликнете върху „Да играем“ и изберете „MEX Robotics Starter kit“ от менюто за избор на комплект.



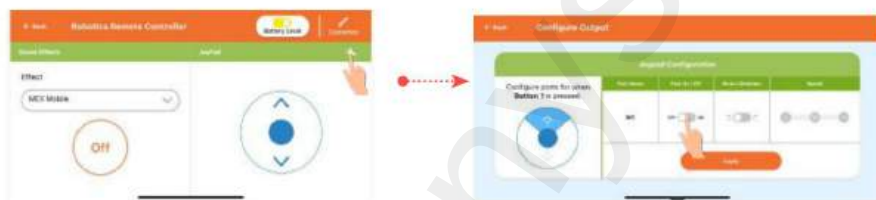
- 6 Екранът за дистанционно управление ще се отвори, позволявайки ви да контролирате LED двигателя и звука на вашия Tusker. Забавлявайте се!



Конфигуриране Звукови ефекти

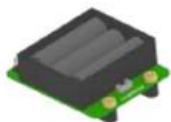


Джойстик



Проверка на бронята

Кутия 1 (Електроника)



Авишкар
MEXCore
x 1



MEX голям DC
мотор
x 1

Кутия 2 (строителни части)

ЛЪЧ



15Н лъч
x 1



11Н лъч
x2



9Н лъч x 6



3Н лъч x 10

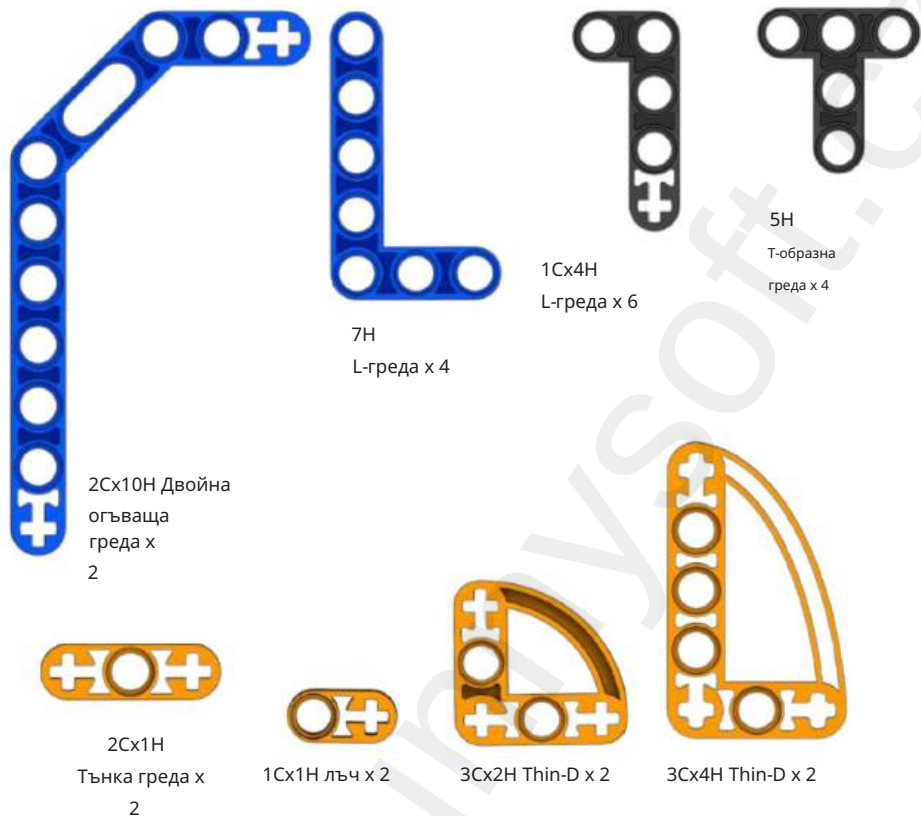


7Н лъч
x5



5Н лъч x 4

Забележка: „Н“
означава дупки. напр.
Beam 15Н означава
гредата с 15 отвора.



ПИН-ове



Дълга
игла-синя х 12



Дълга игла-жълта
х2



Среден pin-черен х 26



Средна игла-черна х 4



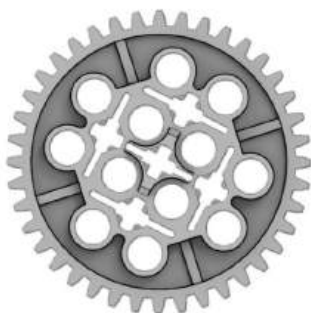
Щифт на
централната ос -
син х 4



Къса игла-жълта х
2 бр

Забележка: С означава
„кръст“. напр. „1СХ4НL-гредка има
един кръст и четири отвора.

ТРАНСФЕР



Зъбно колело-40Т
x 1 бр



Зъбно
колело-8Т
x 2



Червячна
скоростна кутия-голяма
x 1

КОНЕКТОР



3Nx4 Пин
Конектор x
2

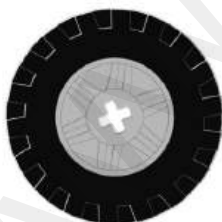


Пълнител на оси -
голям x
14



Пълнител на оси -
малък
x 6 бр

КОЛЕЛА



велосипед x 4

11. 10. 9. 8. 7. 6. 5. 4. 3. 2. 1.
Отваряне Отваряне Отваряне Отваряне Отваряне Отваряне Отваряне Отваряне Отваряне Отваряне Отваряне



лЪЧ

средство за защита



1:1



3H

(2)

(1)

(1)

(1)

(2)

(1)

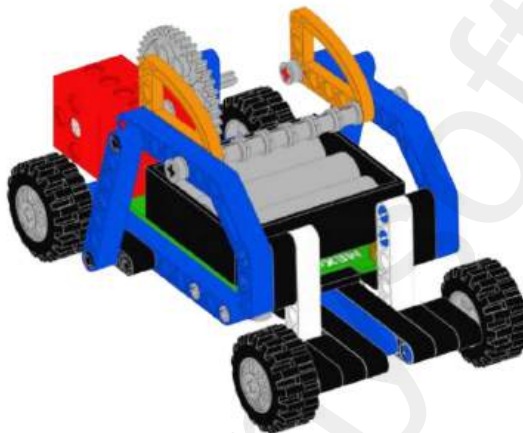
(2)

(2)

Забележка: "H" в името на оста
означава греда, нейната височина
е равна на например - 5H Оста е равна
на височината на греда 5H.

Проект: MEX mobile

Да строим!



Нещата, от които се нуждаем



11H
лъч
x2



7H
лъч
x3



9H
лъч
x2



5H лъч
x2



7H
L-лъч
x2



3H
лъч
x10



2Cx10H
Двойна
огъване
лъч
x2



3Cx4H
Тънко-D
x2



Цилиндрично зъбно колело
40T x 1



Цилиндрично зъбно колело
колело-8T
x 1



3Hx4Pin
Конектор
x2



Пълнеж
оси-големи
x10



Съвет за сглобяване



Дългите сини карфици имат две различни страни!
Едната страна може да влезе в два лъча едновременно,
докато едната страна може да влезе само в един.
Обърнете внимание коя страна трябва да бъде поставена във
всяка стъпка .

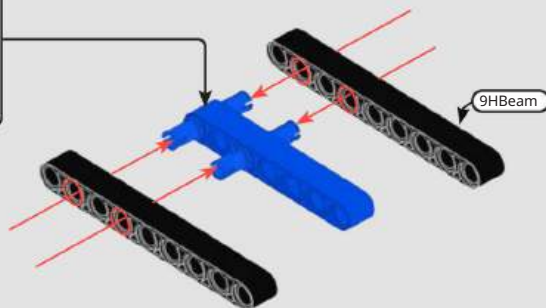
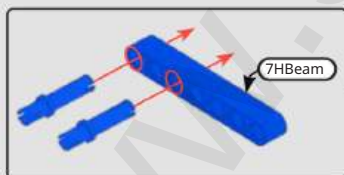


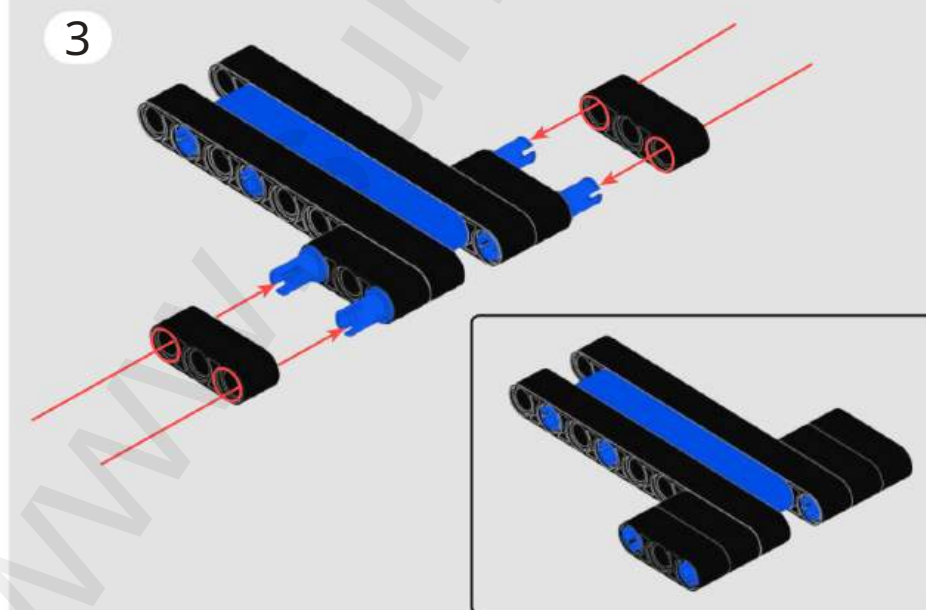
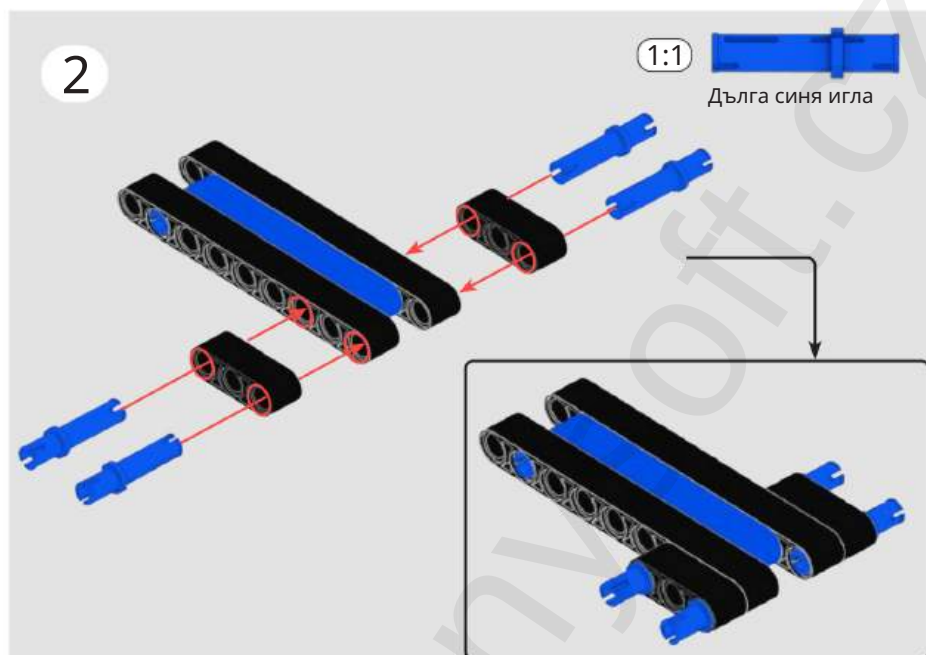
1

1:1

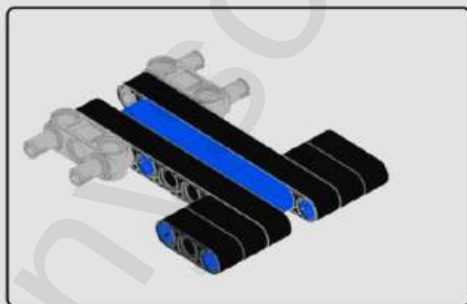
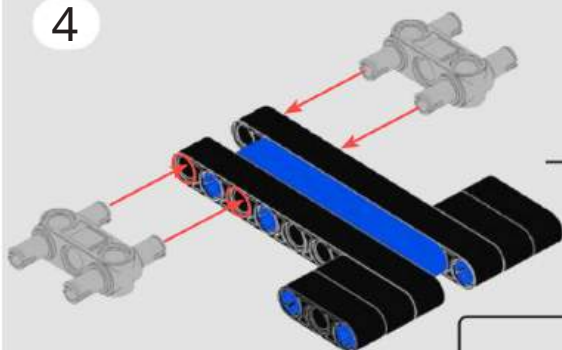


Дълга игла-синя





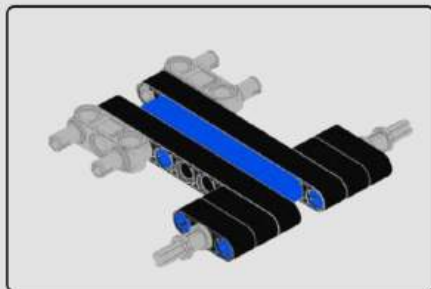
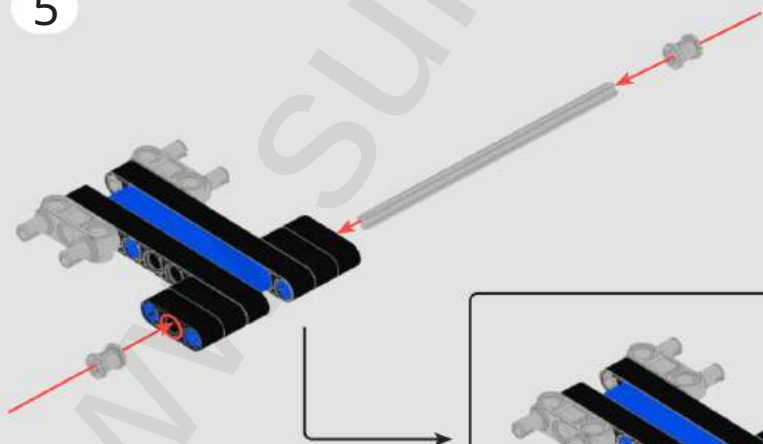
4



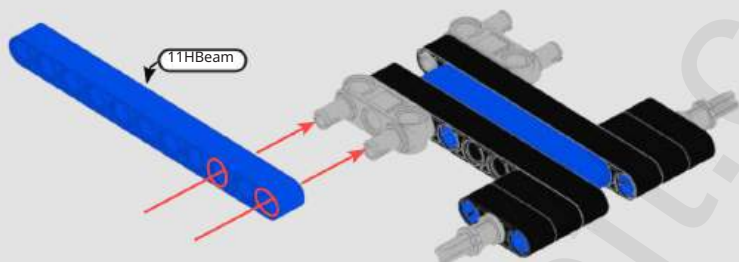
1:1

11H oc

5



6



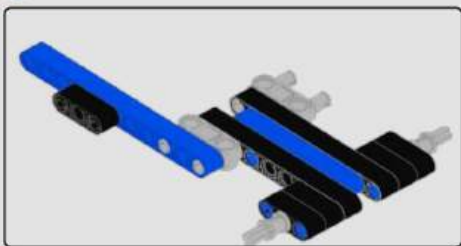
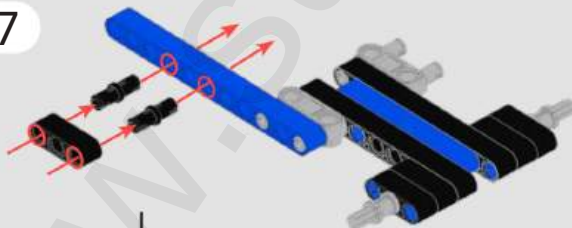
Съвет за сглобяване



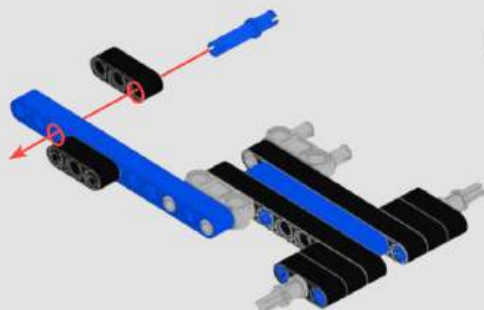
Черните средни щифтове могат да бъдат малко трудни за поставяне!
Но не се безпокойте. Натиснете ги и се уверете, че връзката е
стегната. Използвайте малко сила. :)



7



8



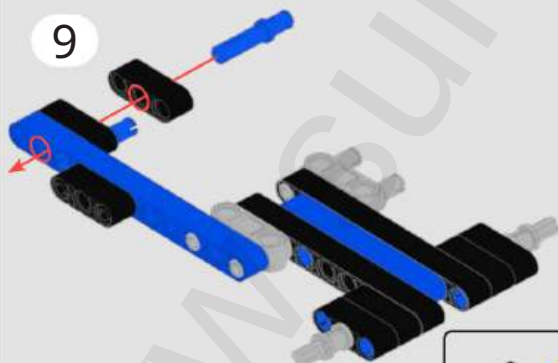
1:1



Дълга игла-синя



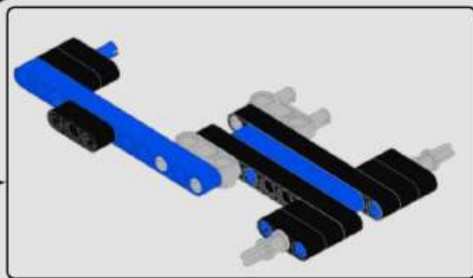
9



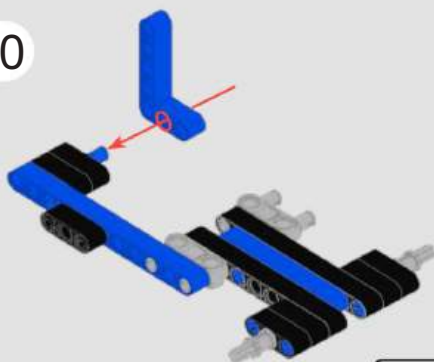
1:1



Дълга игла-синя



10

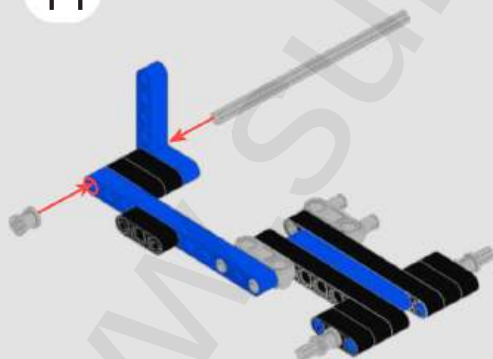


11

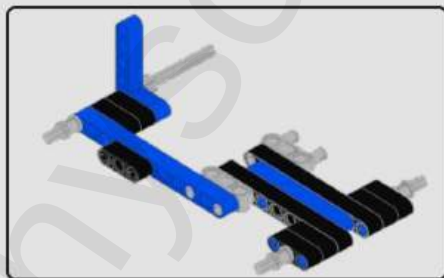
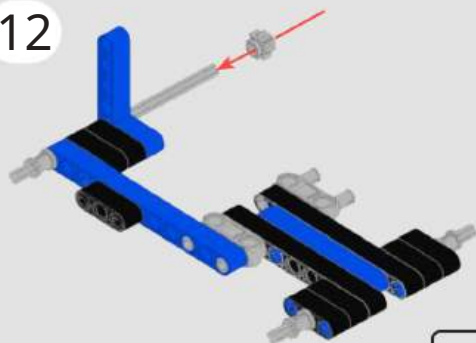
1:1



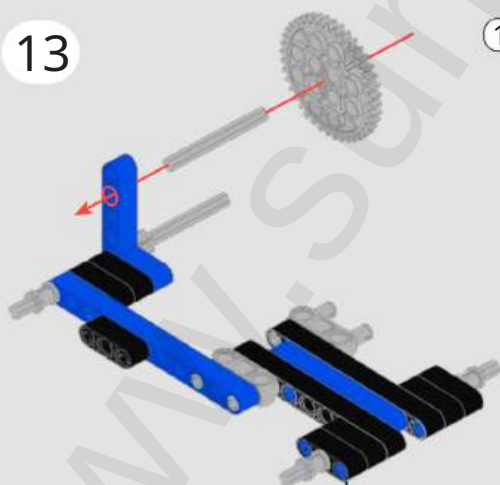
11Н Лекарство



12



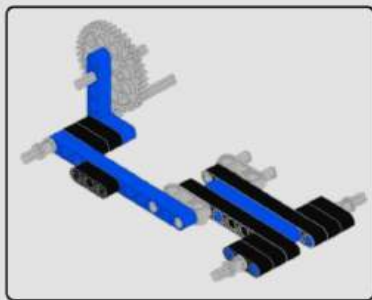
13



1:1

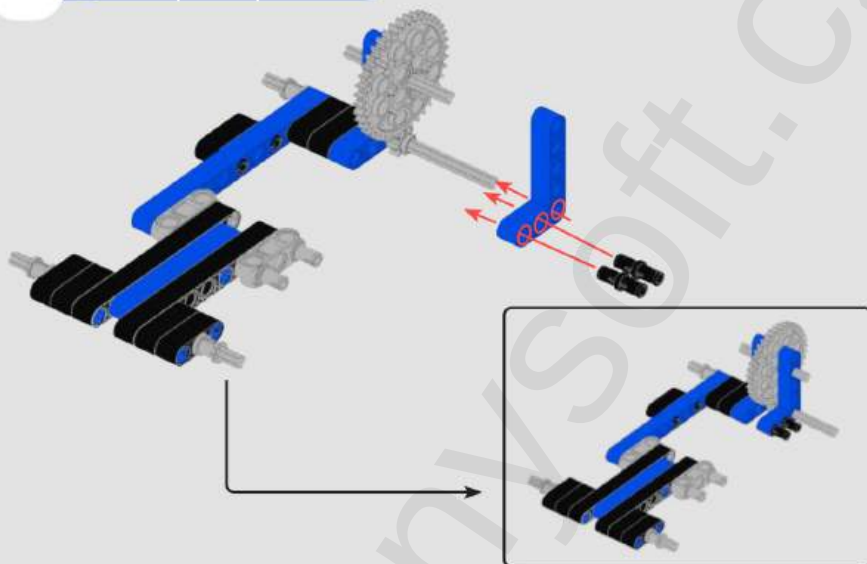


5Н Лекарство

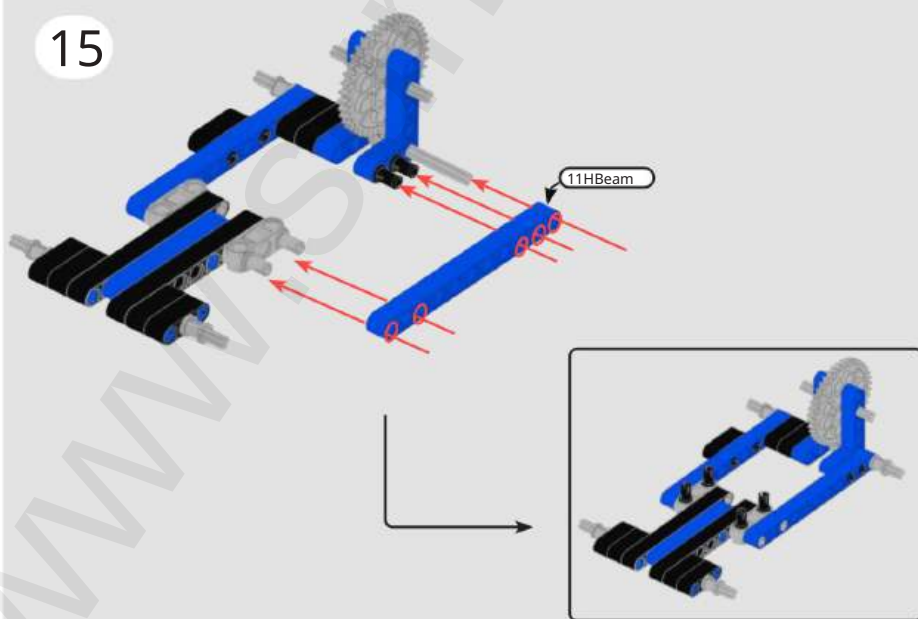


14

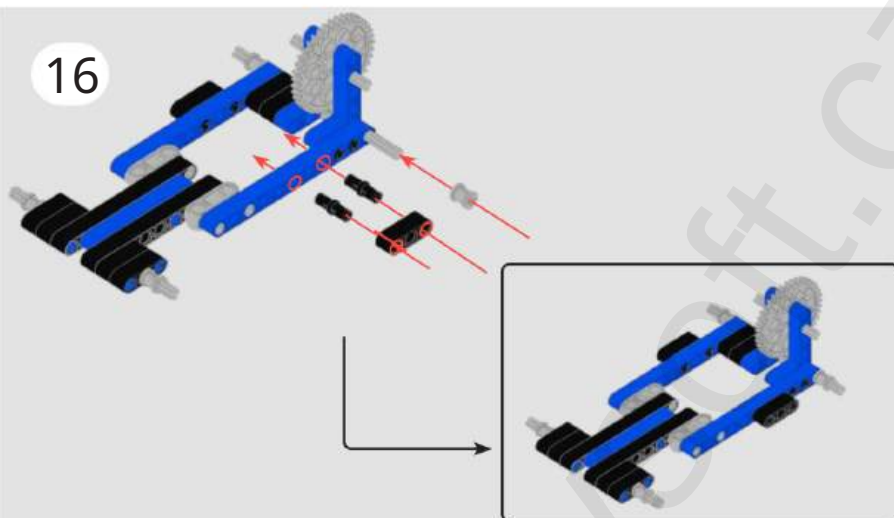
Взгляд отпред горе вдясно



15



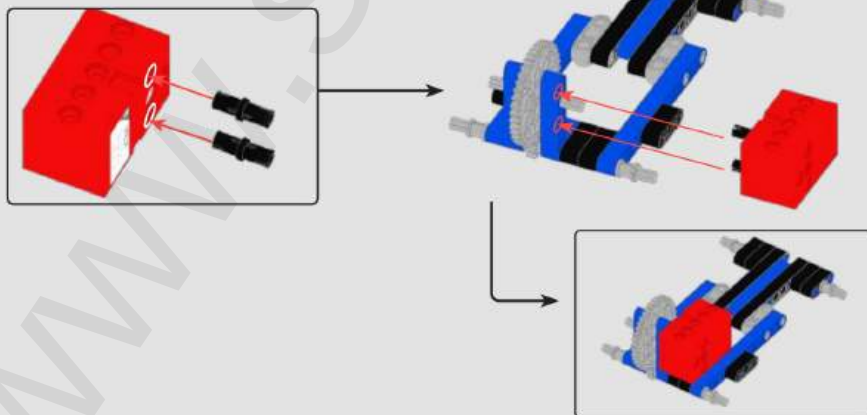
16

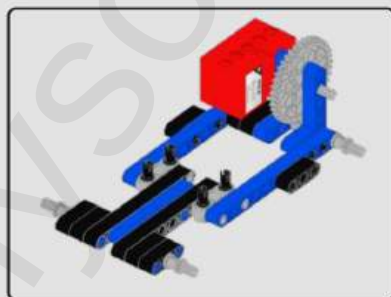
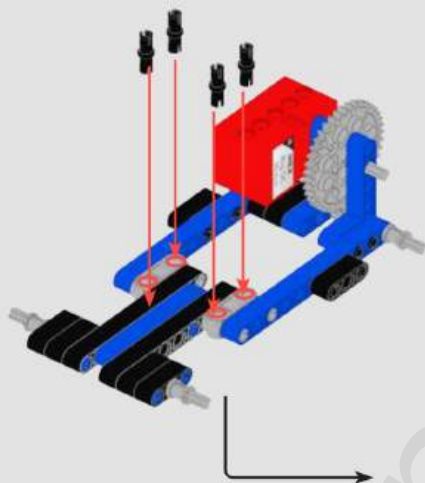


Въведете за сглобяване

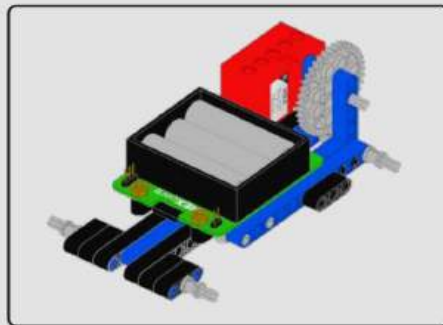
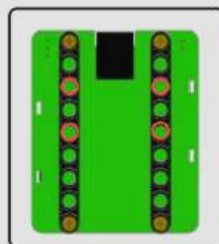
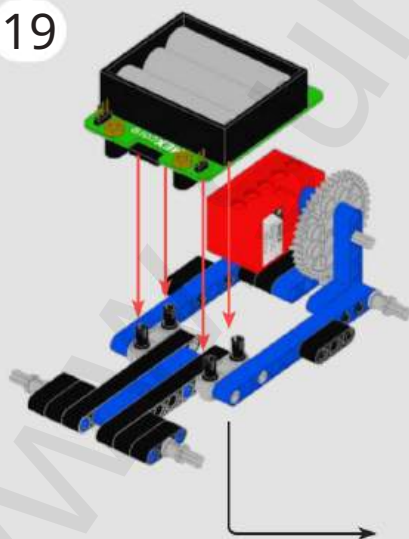


Черните средни щифтове могат да се поставят само от едната страна на мотора! Черните щифтове могат да се поставят само от страната на двигателя с белия стикер. От друга страна с маркер - могат да се използват само малки жълти карфици.

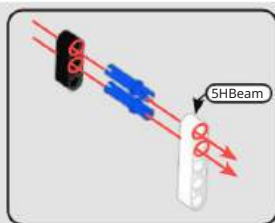
17 **Порен ляв изглед отзад**

18  глед отпред горе вдясно

19



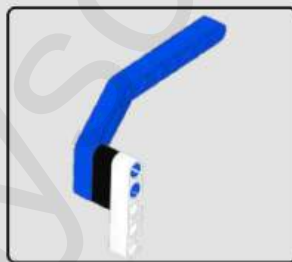
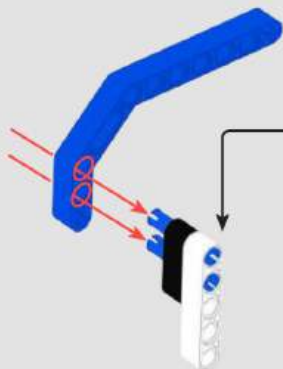
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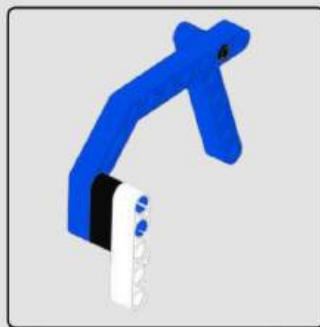
1:1



Дълга синя игла



20

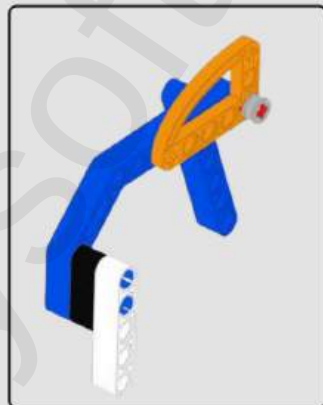
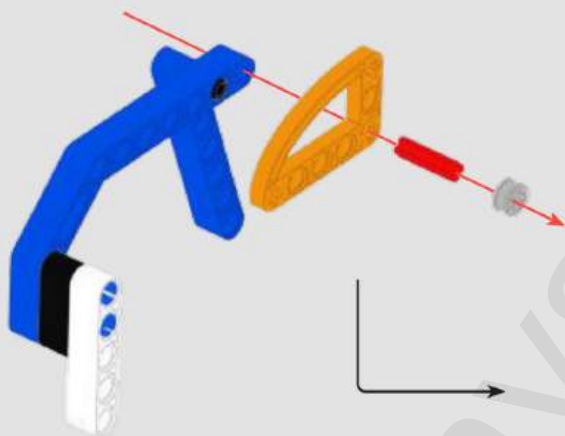


21

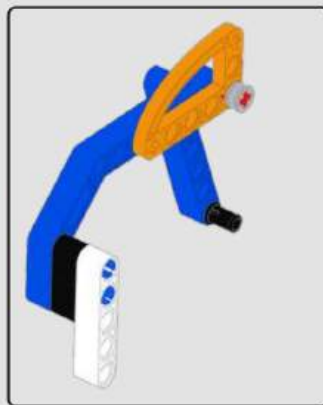
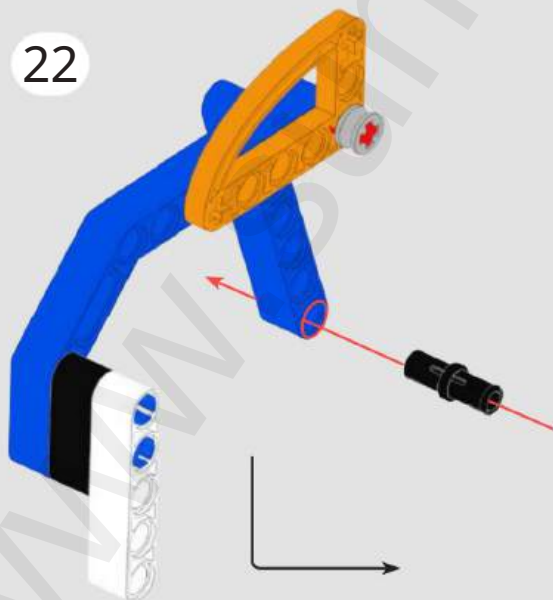
1:1



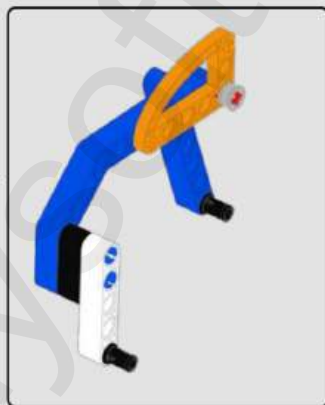
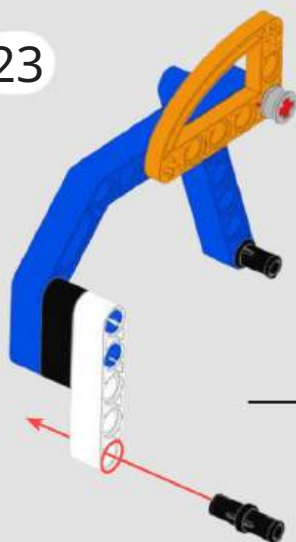
2H средство



22



23



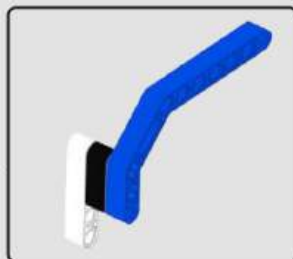
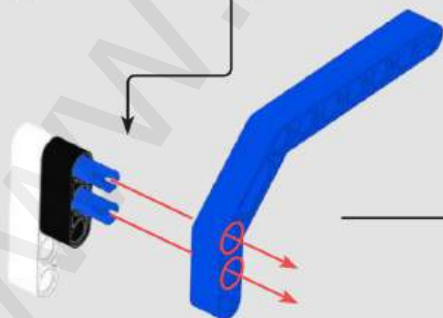
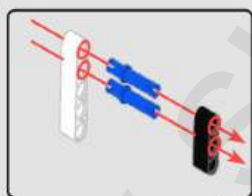
Да направим огледалната страна.

24

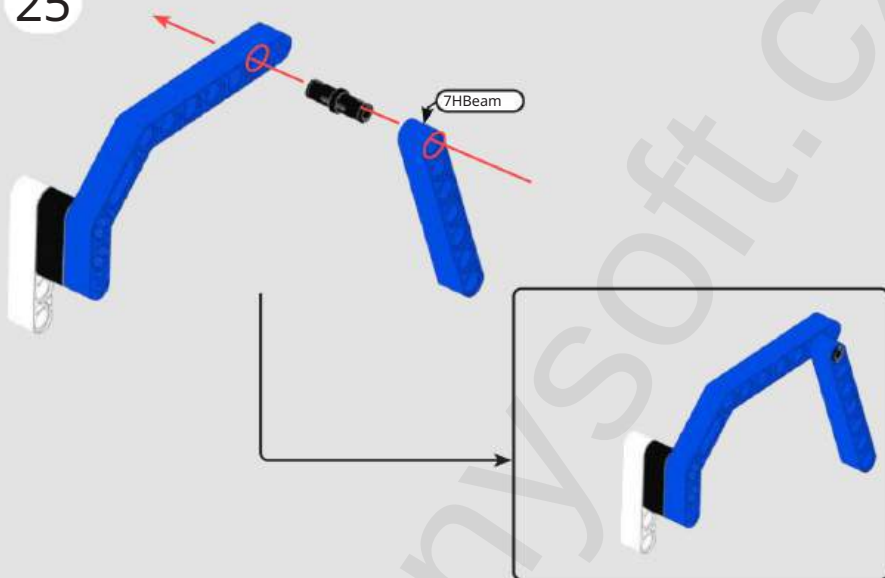
1:1



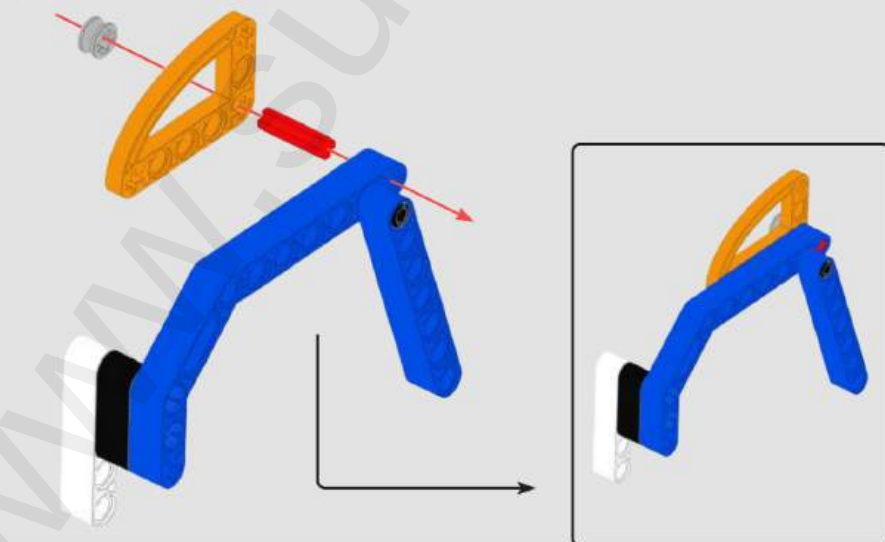
Дълга синя игла



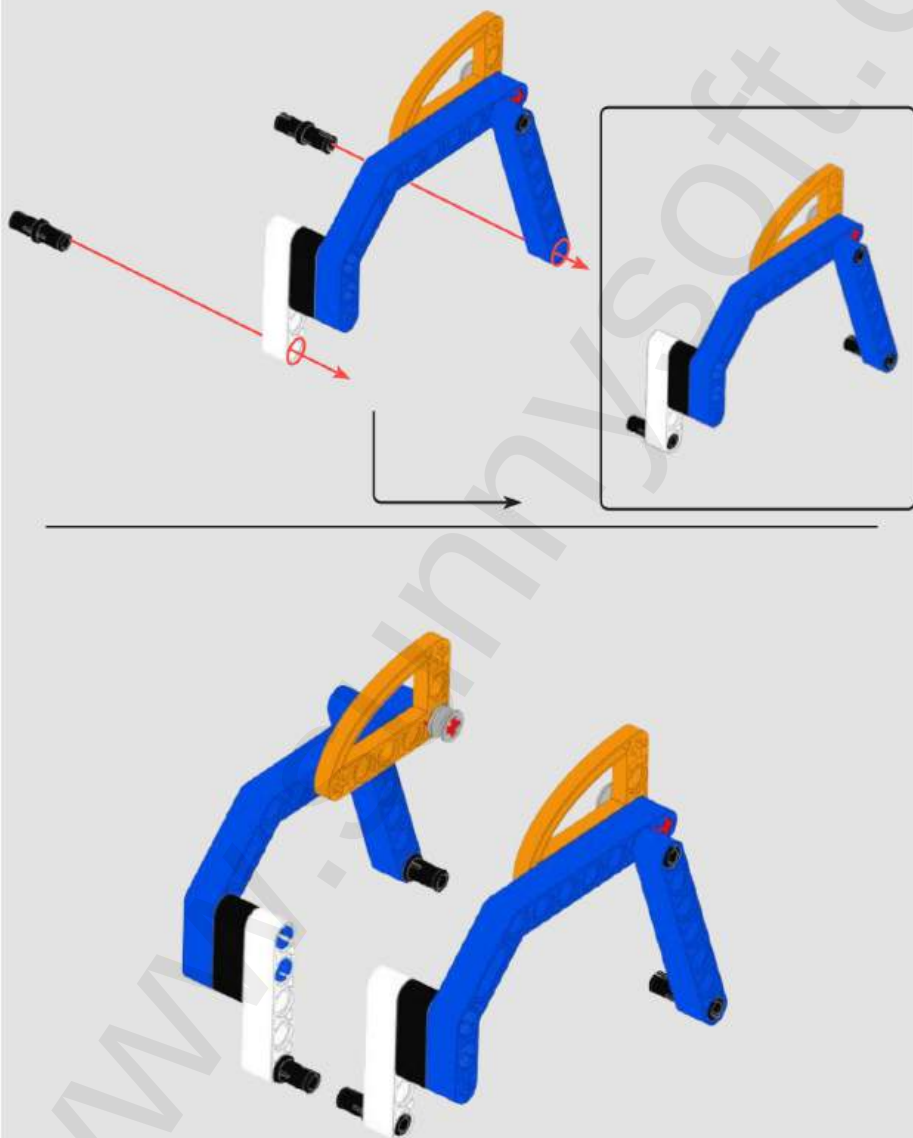
25



26



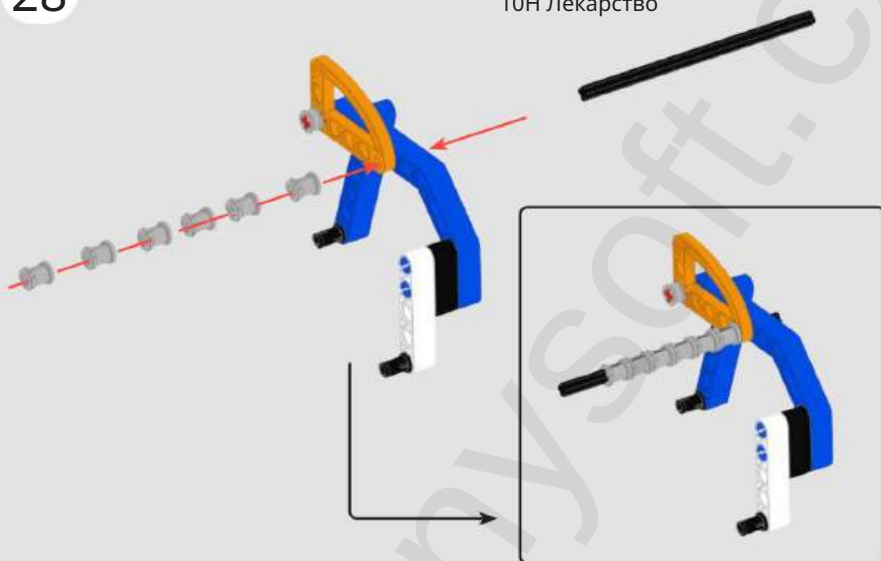
27



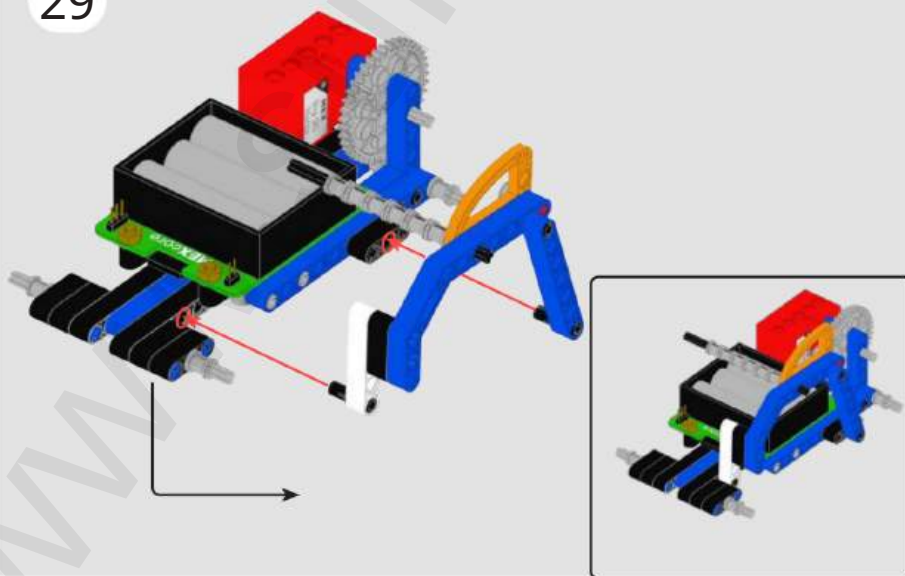
28

1:1

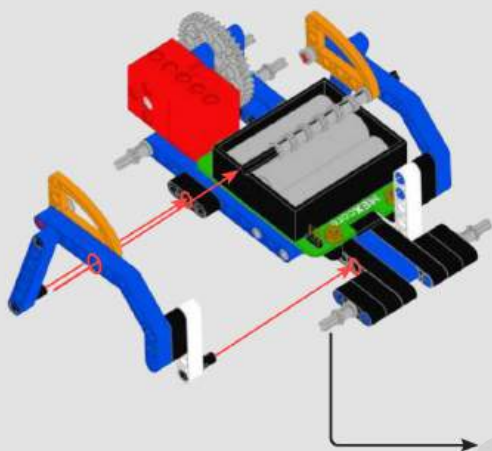
10Н Лекарство



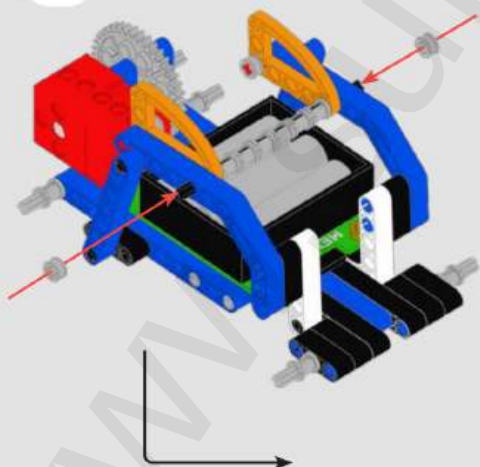
29



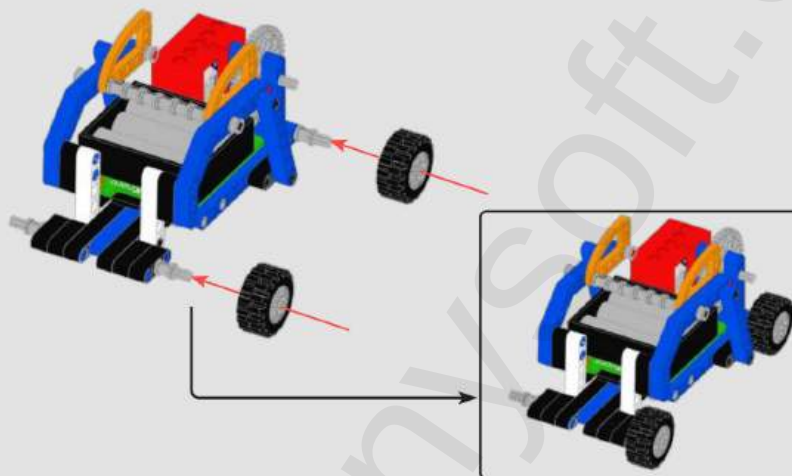
30



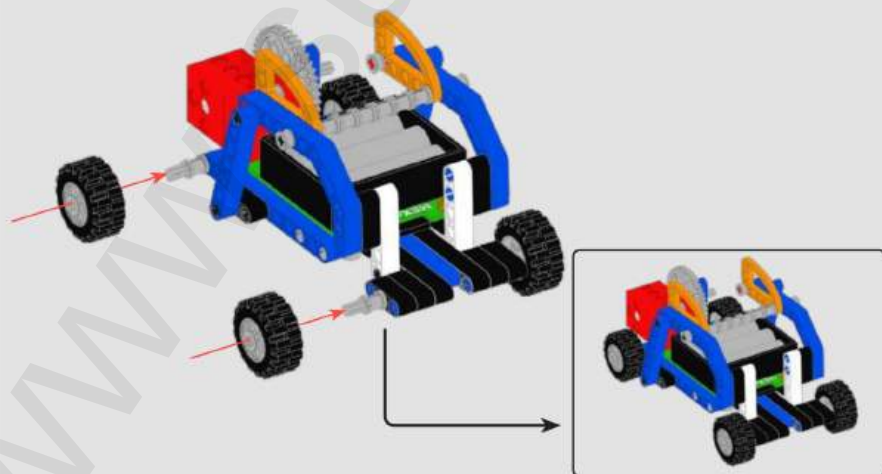
31



32



33



Поздравления за завършването на този проект!

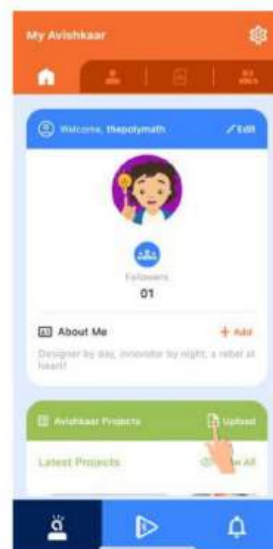
Обичате да играете с него
мобилно приложение avishkaar?
Отидете на страница 8 за подробни
инструкции как да изтеглите
приложението и да управлявате робота с него.



Споделете своето творение със света и спечелете значка „Надраскайте повърхността“ ниво 1

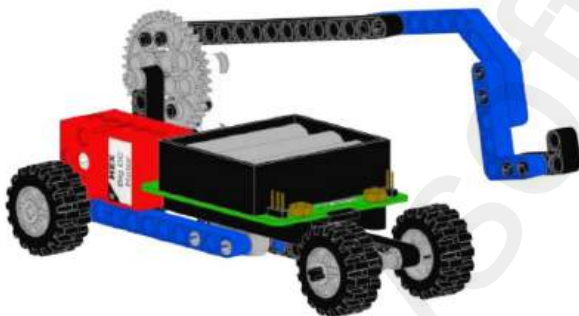
Качете снимки или видеоклипове на вашия проект, като използвате раздела за проекти на приложението Avishkaar и спечелете значка за ниво „Надраскайте повърхността“

1. Вижте всичките си колекции
значки в раздела за постижения на вашия профил на
www.avishkaar.cc. Разгледайте всички други значки,
които искате да съберете, и ги спечелете всички!



Проект 2: Кран

Да строим!



Нещата, от които се нуждаем



15Н
лъч
x 1



11Н
лъч
x 2



9Н
лъч
x 2



5Н лъч
x 1



3Н
лъч
x 6



5Н
Т-образна греда
x 2



2Сx10Н
Двойна
огъване
лъч
x 1



7Н L-греда
x 1



1Сx4Н
L-греда
x 1



Фронтален
зъбно колело
40Т x 1



Цилиндрично зъбно колело
колело звезда-8Т
x 1



3Нx4Pin
Конектор
x 2



Пълнеж
оси-големи
x 5



Пълнеж
оси -
малки
x 3



5Н
средство за защита
x 1

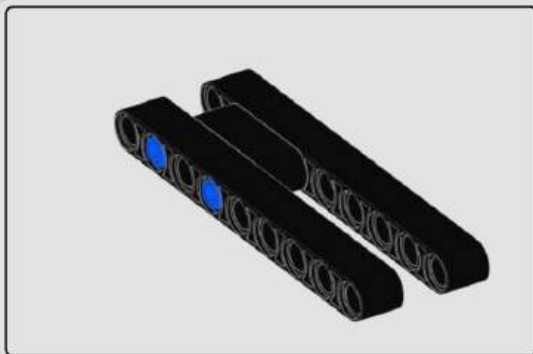
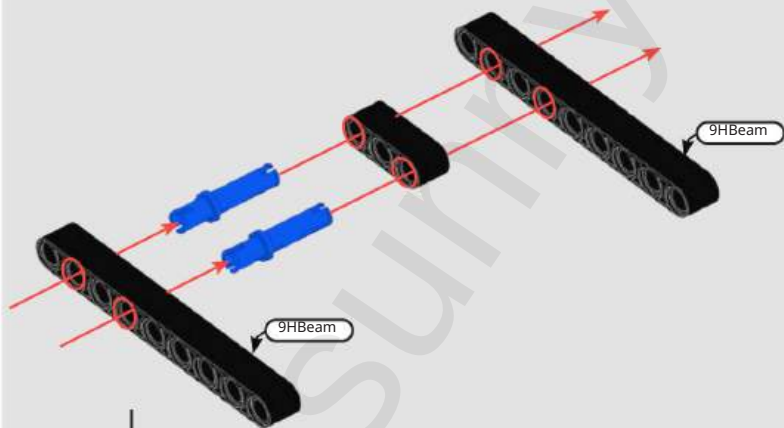


1

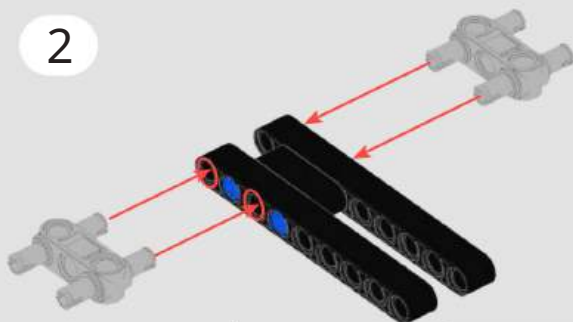
1:1



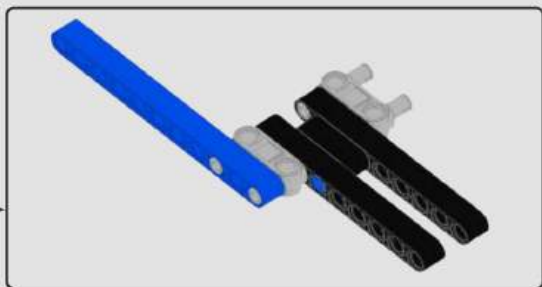
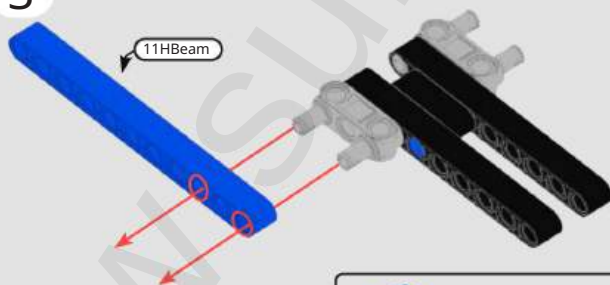
Дълга игла-синя



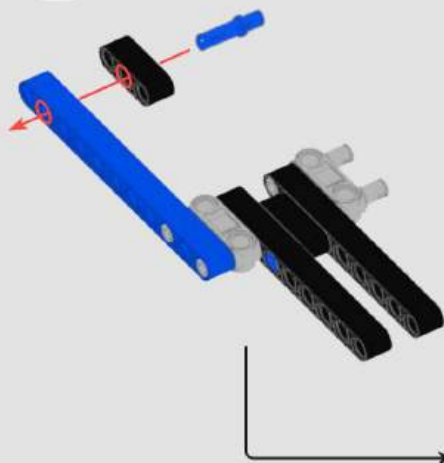
2



3



4



1:1



Дълга игла-синя



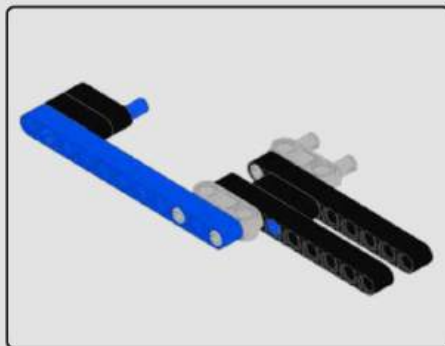
5



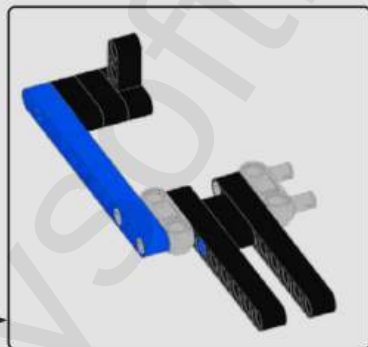
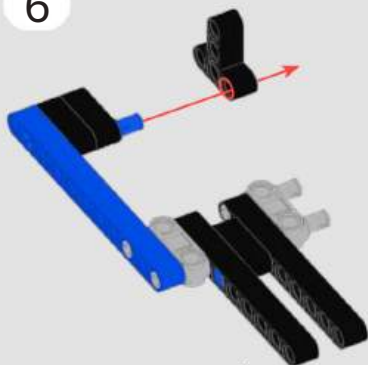
1:1



Дълга игла-синя



6



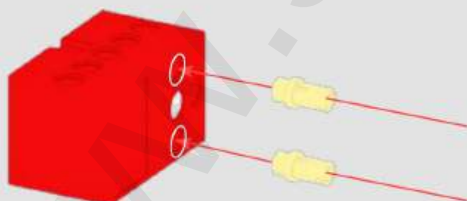
Съвет за сглобяване



Късите жълти карфици могат да бъдат малко внимателни , когато ги използвате ! Чупят се лесно. И също те могат да бъдат трудни за премахване – помолете родител или възрастен да ви помогне да ги премахнете безопасно отстранени.



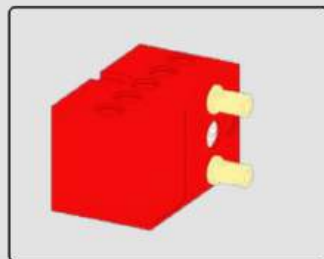
7



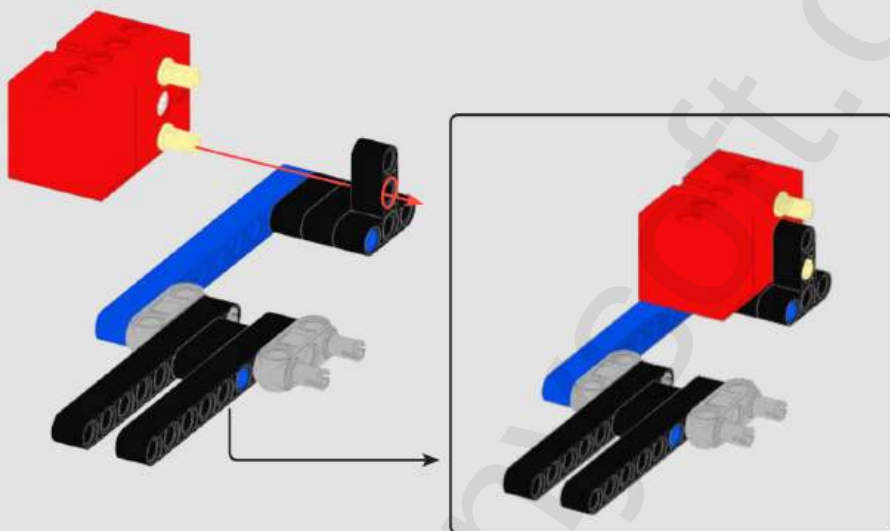
1:1



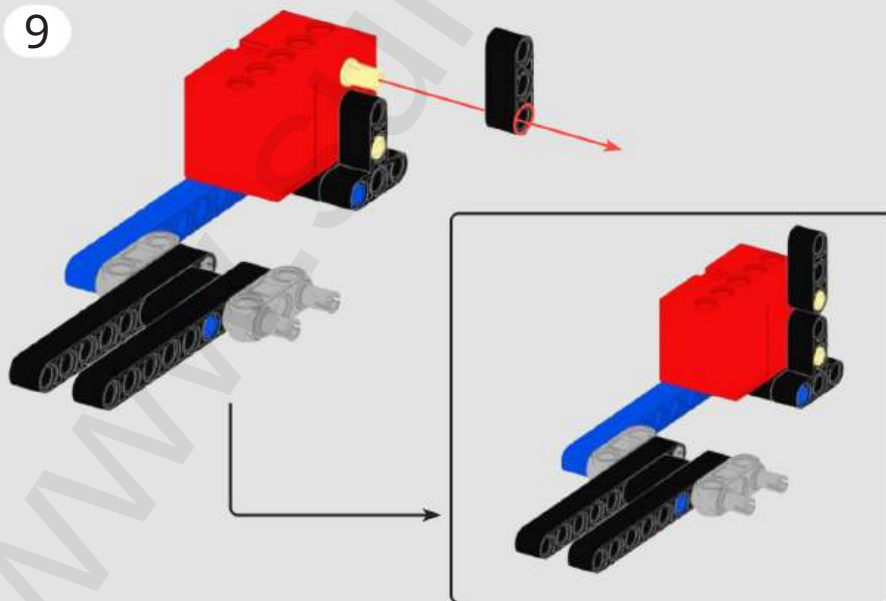
Къса игла жълта



8



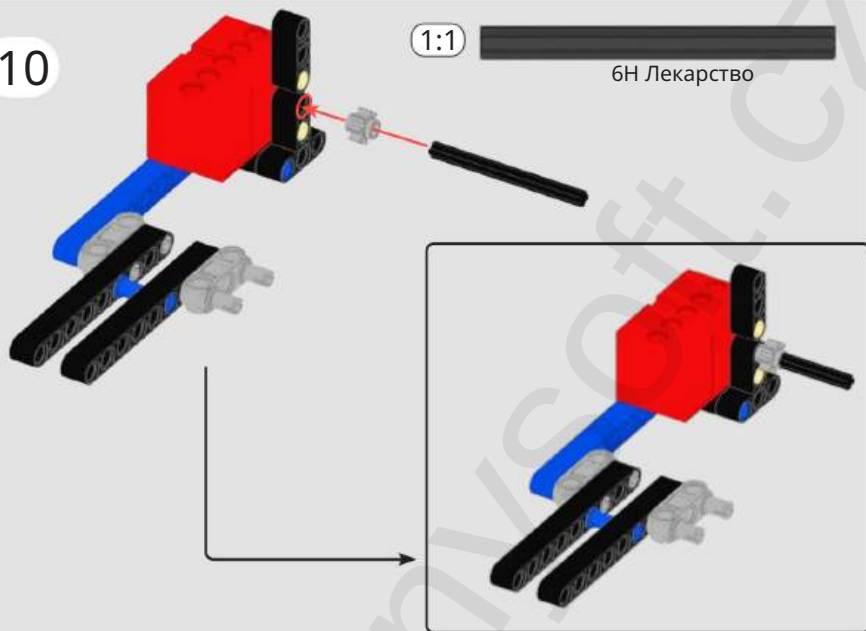
9



10

1:1

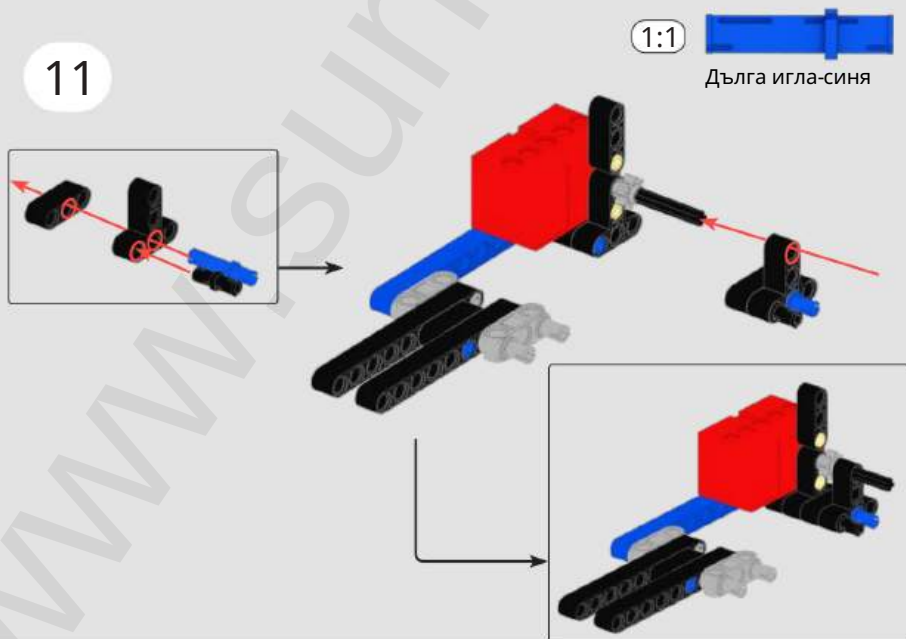
6Н Лекарство



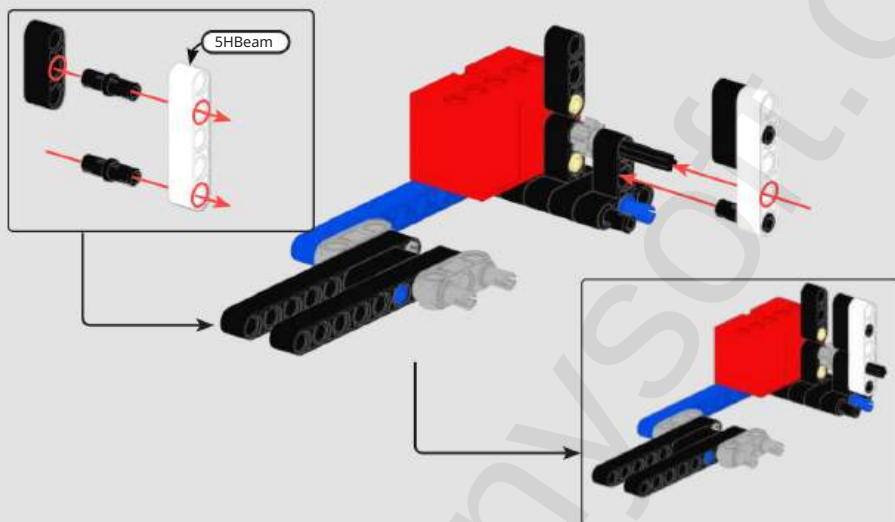
11

1:1

Дълга игла-синя



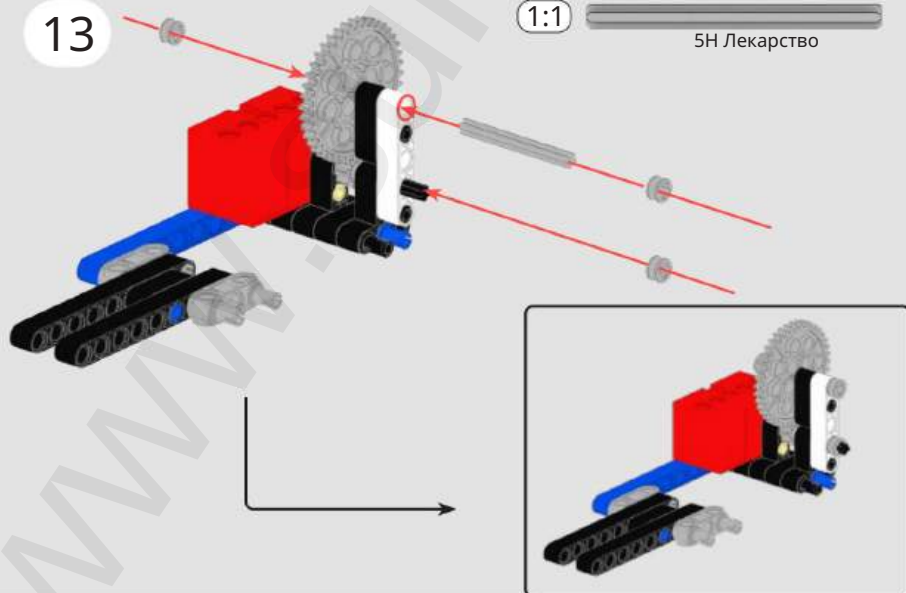
12



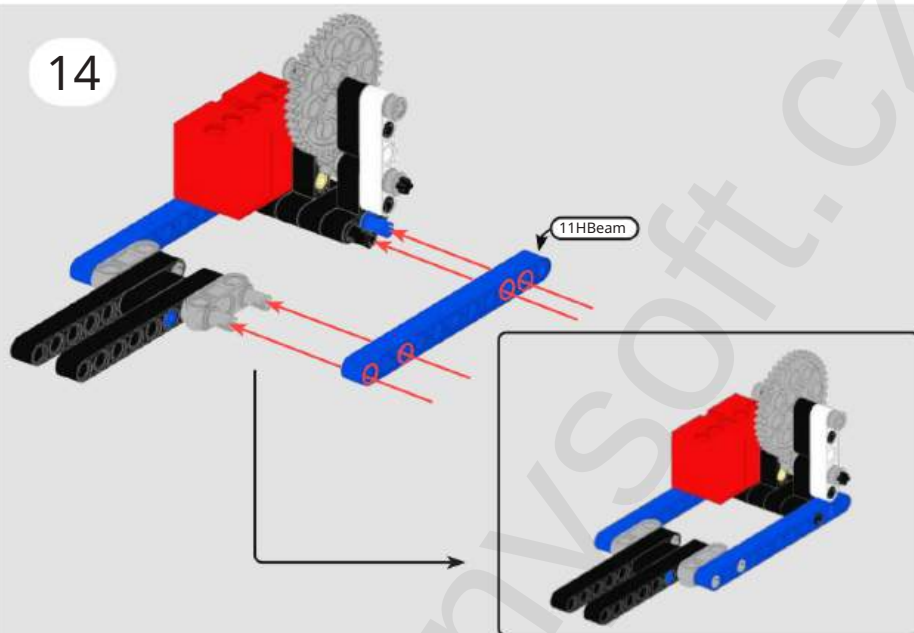
13

1:1

5H Лекарство



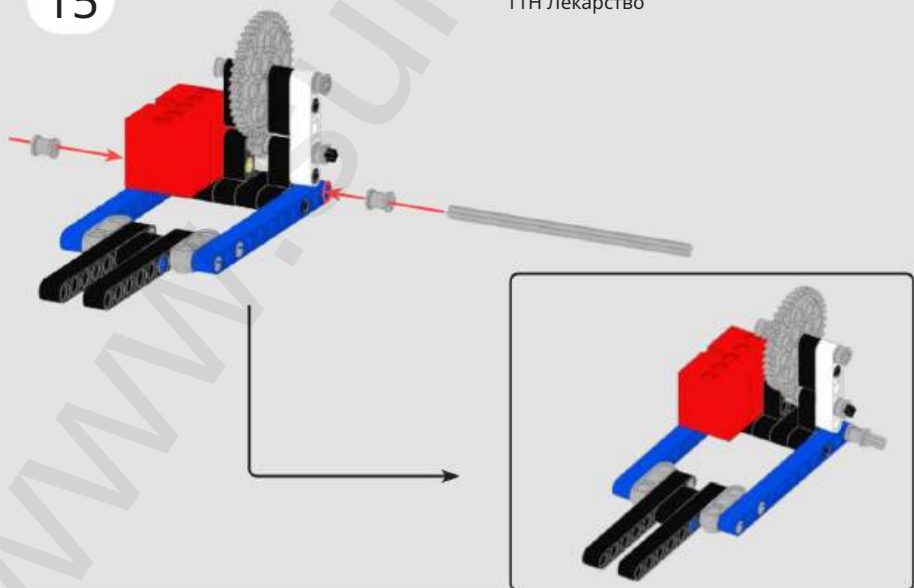
14



15

1:1

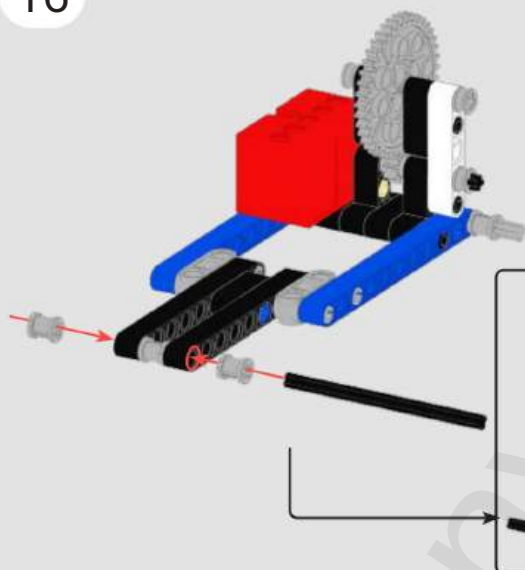
11Н Лекарство



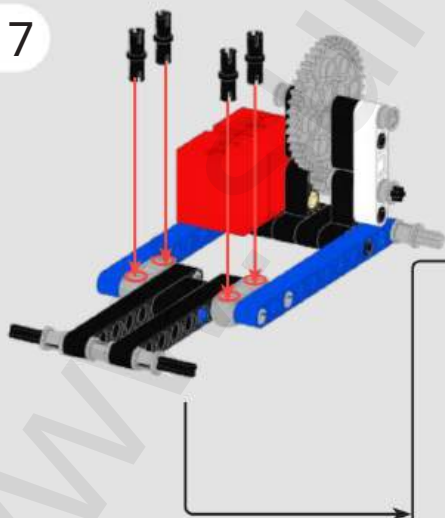
16

1:1

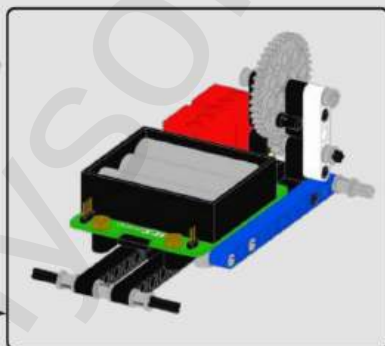
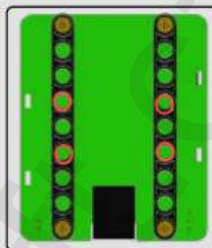
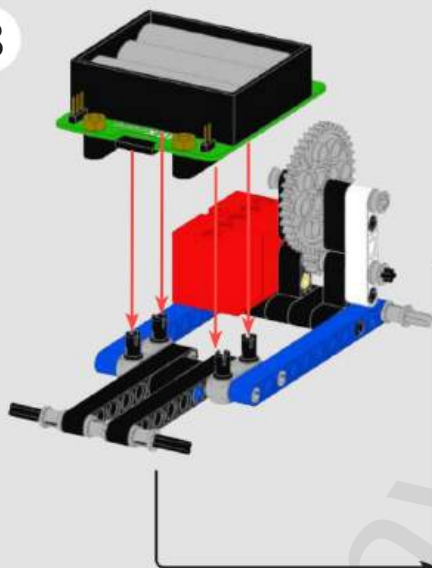
8Н Лекарство



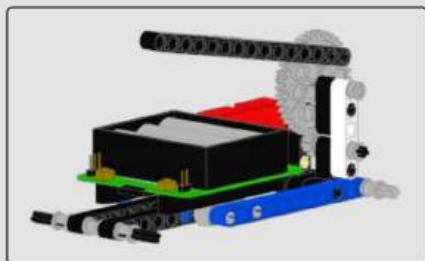
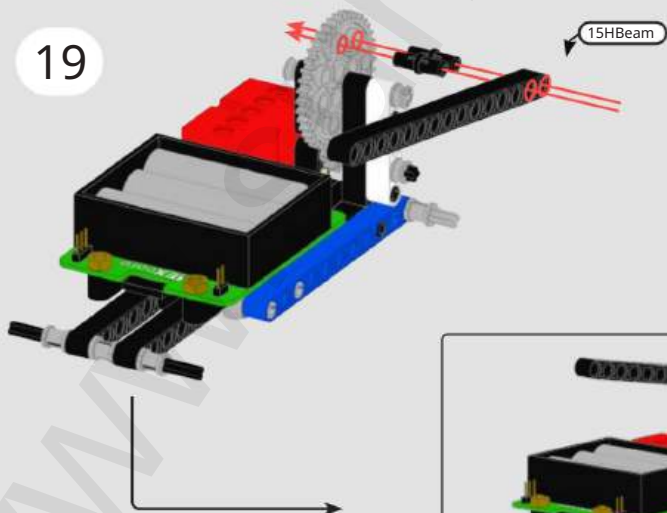
17



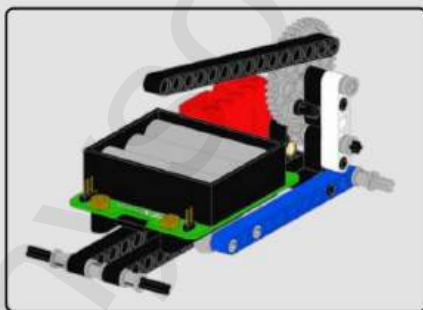
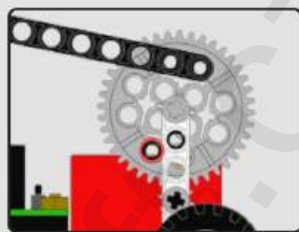
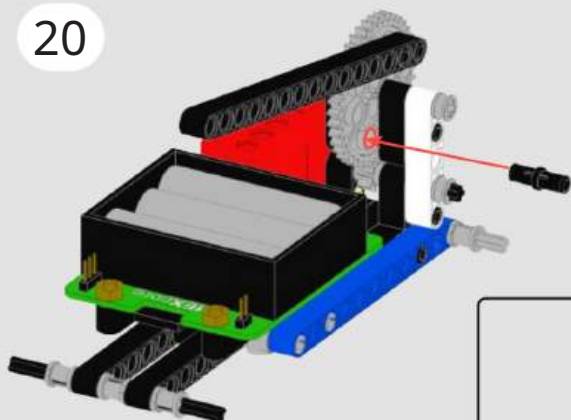
18



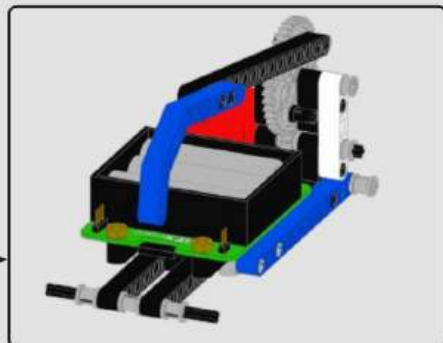
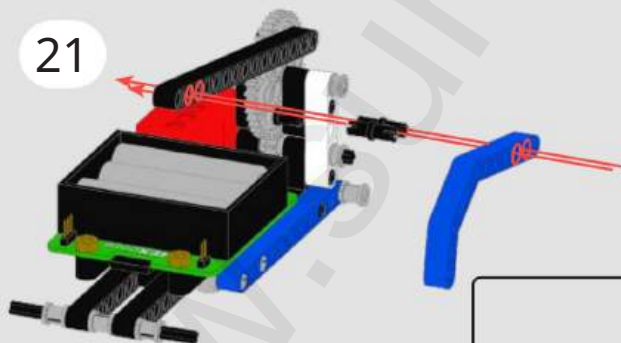
19



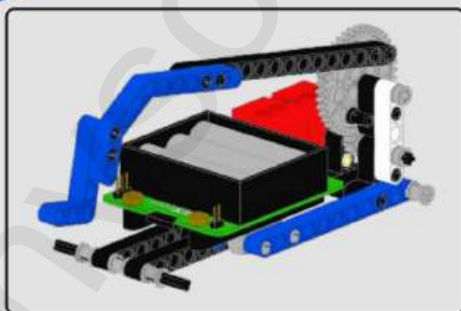
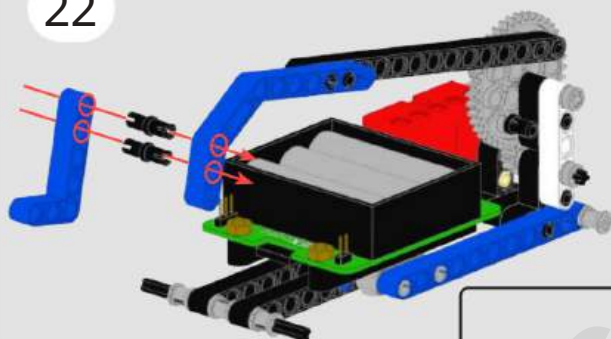
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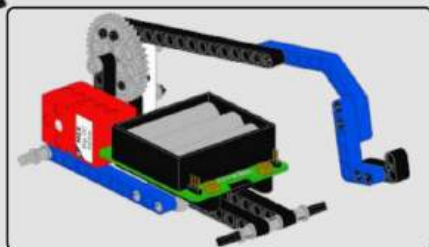
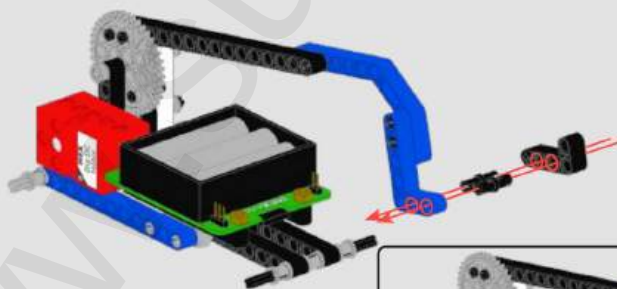
21



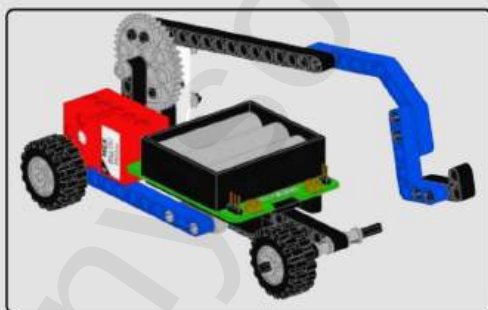
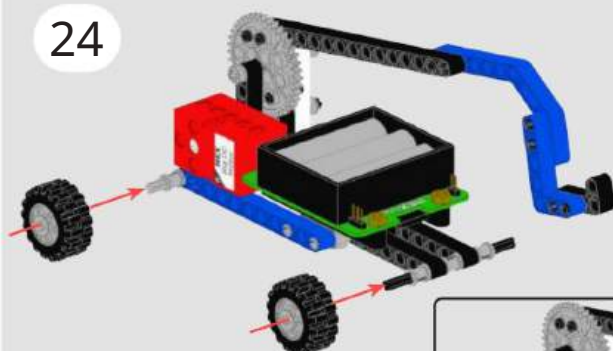
22



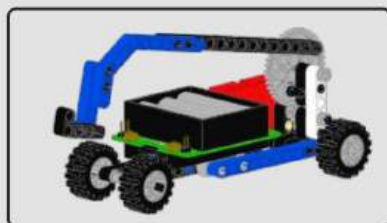
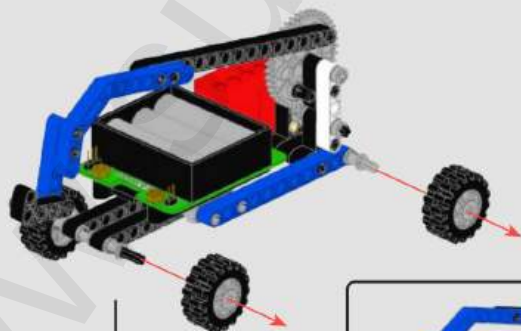
23



24



25



Поздравления за завършването на този проект!

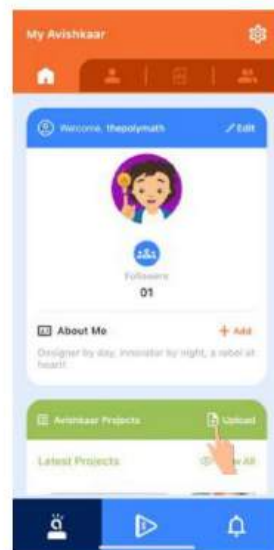
Обичате да играете с него мобилно приложение avishkaar?
Отидете на страница 8 за подробни инструкции как да изтеглите приложението и да управлявате робота с него.



Споделете своето творение със света и спечелете значка за ниво 2 „Надраскайте повърхността“.

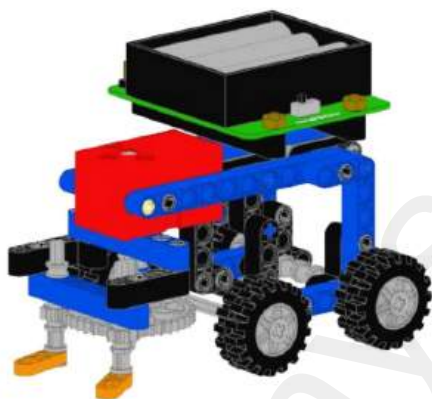
Качете снимки или видеоклипове на вашия проект, като използвате раздела за проекти на приложението Avishkaar, за да спечелите значката „Надраскайте повърхността“ ниво 2.

Вижте всичките си колекции значки в раздела за постижения на вашия профил на www.avishkaar.cc. Разгледайте всички други значки, които искате да съберете, и ги спечелете всички!



Проект 3: Снегорин

Да строим!



Нещата, от които се нуждаем



11Н
лъч
x2



7Н
лъч
x4



3Н
лъч
x2



7Н L-греда
x2



5НТ
лъч
x4



1Cx4Н
L-греда
x4



2Cx1Н
Тънък лъч
x2



Фронтален
зъбно колело
40Т x 1



Цилиндрично зъбно колело
колело-8Т x 2



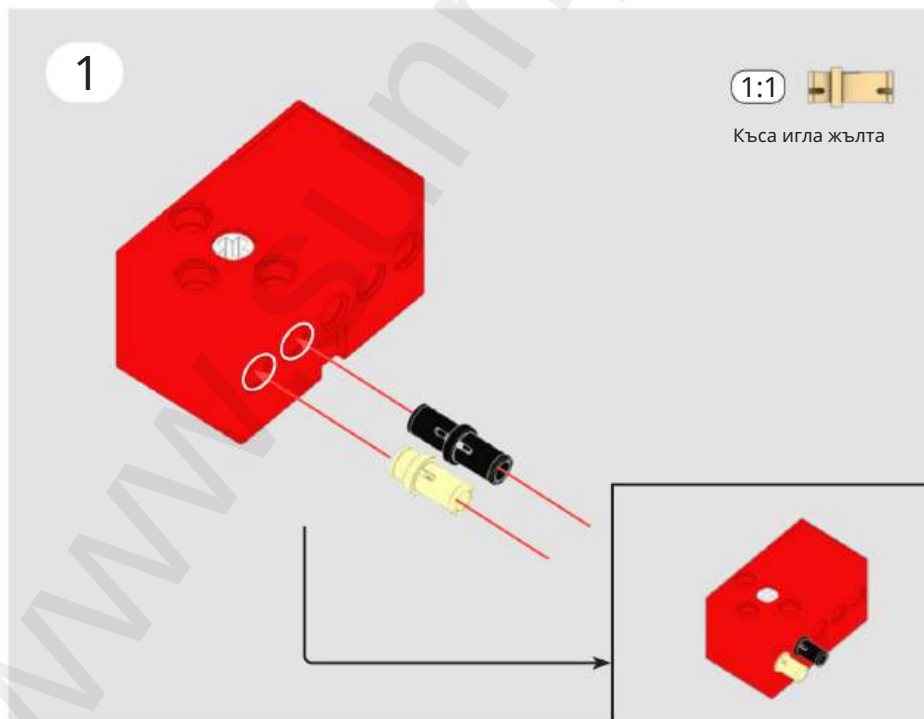
3Нx4 Пин
Конектор
x2



Пълнеж
оси-големи
x11



Пълнеж
оси -
малки
x3

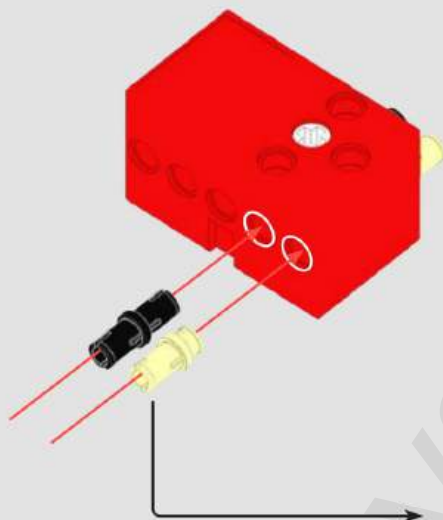


2

1:1



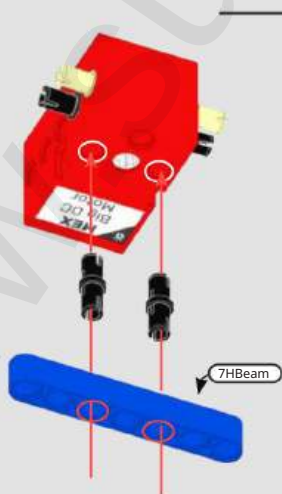
Къса игла жълта



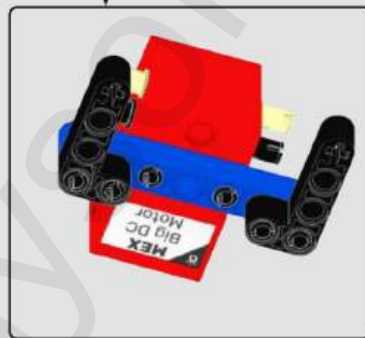
3



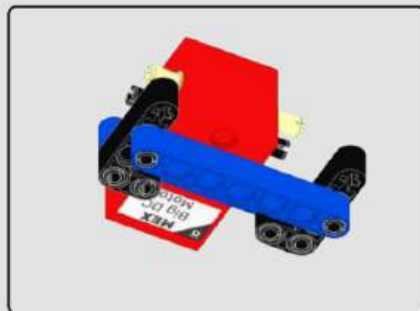
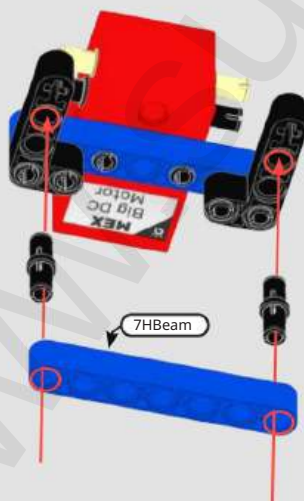
Изглед отпред долу вдясно



4



5

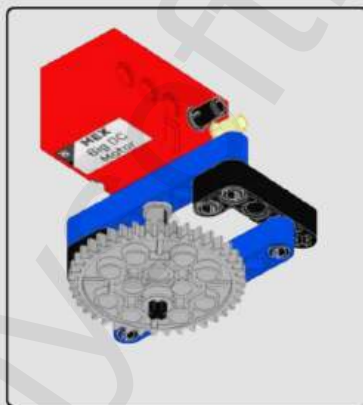


6

Изглед отзад долу вляво

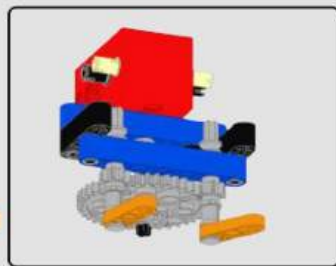
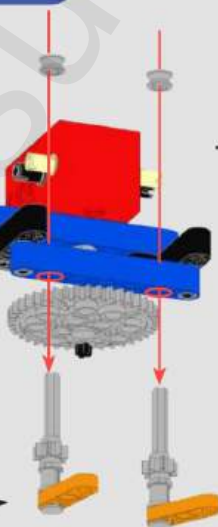
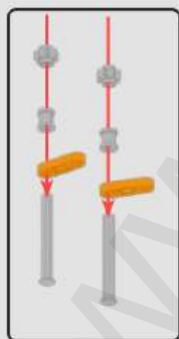
1:1

6Н Лекарство



7

Изглед отпред долу вляво

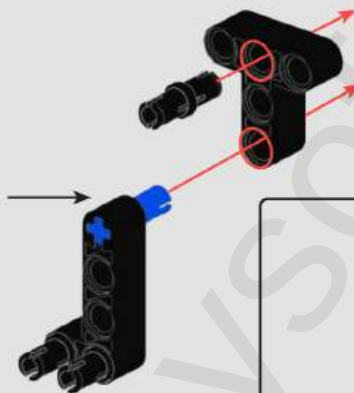
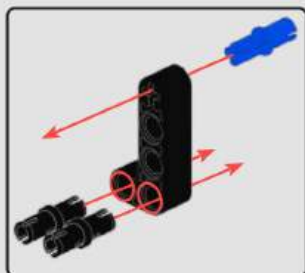


8

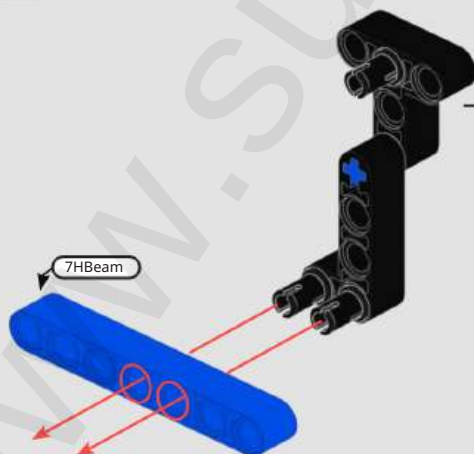
1:1



Син щифт на средната ос



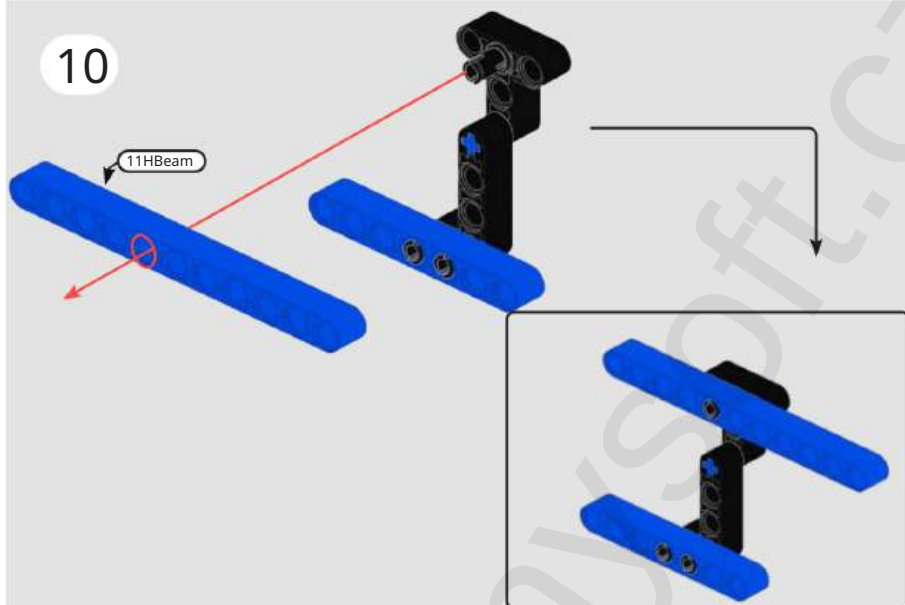
9



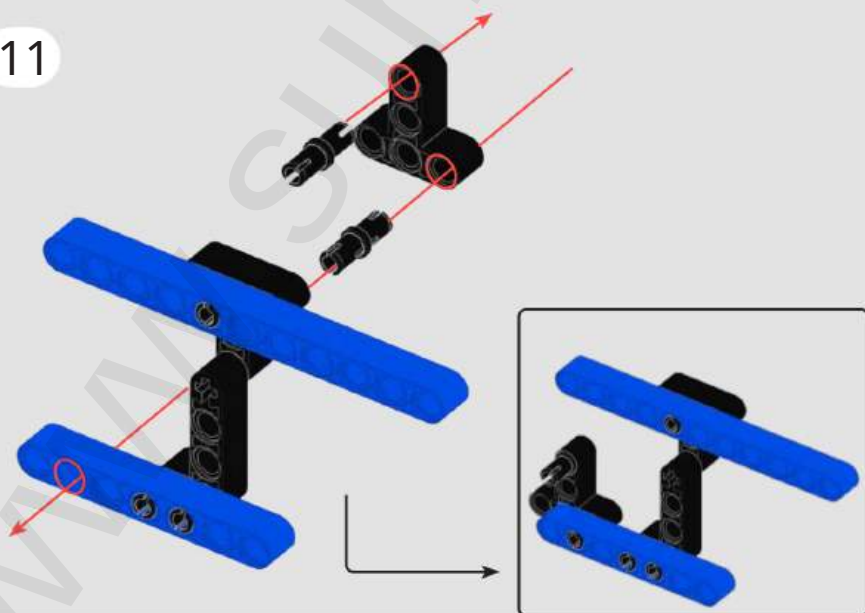
7H Beam

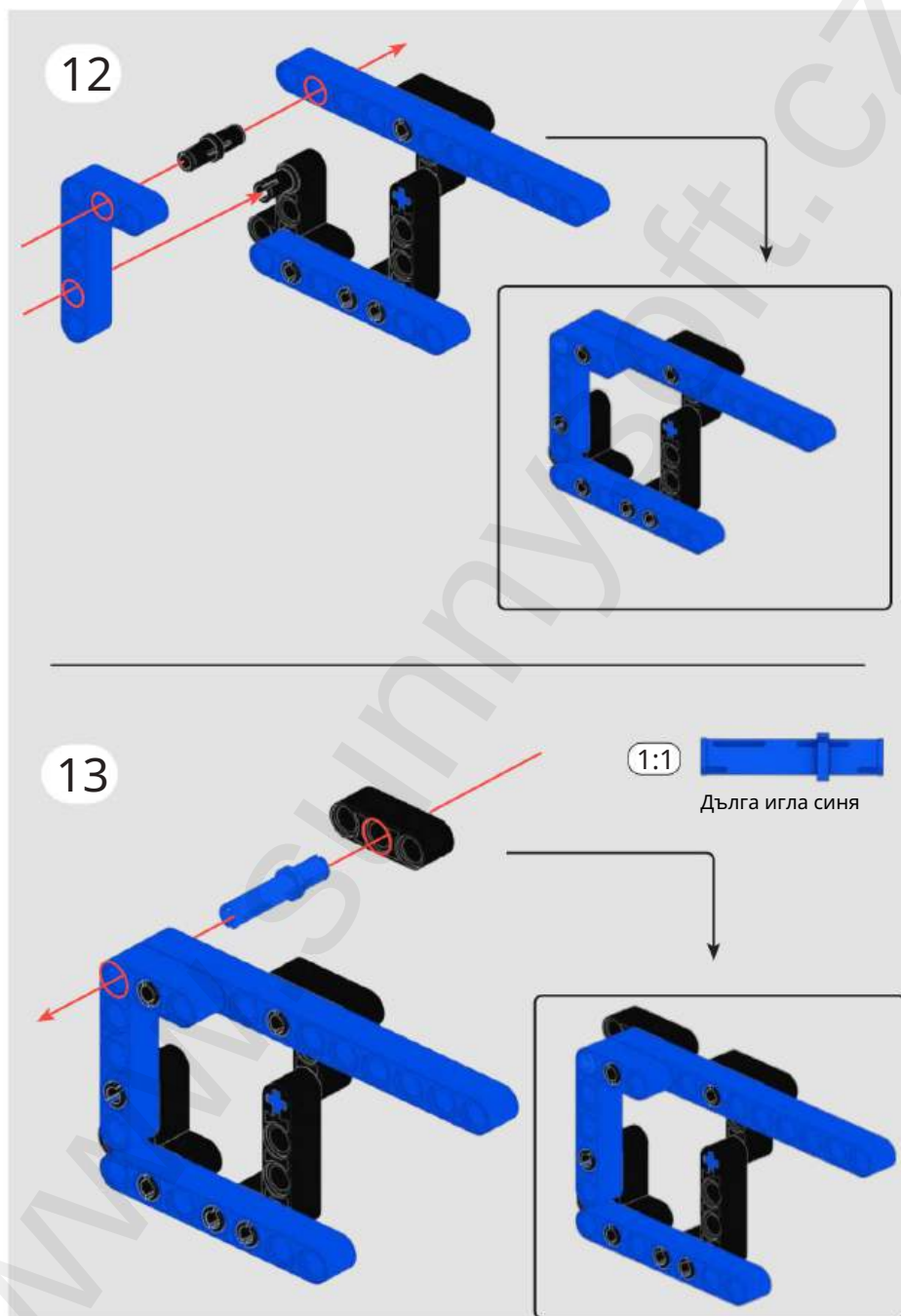


10



11





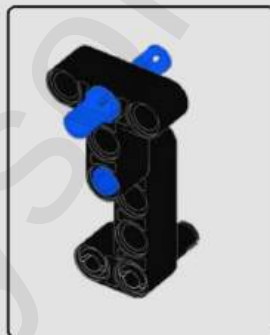
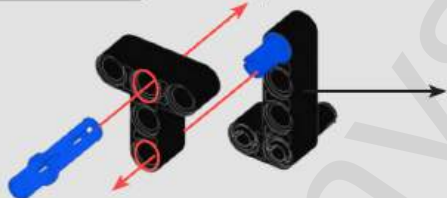
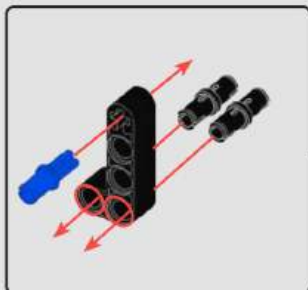
14

Да направим другата страна.

1:1

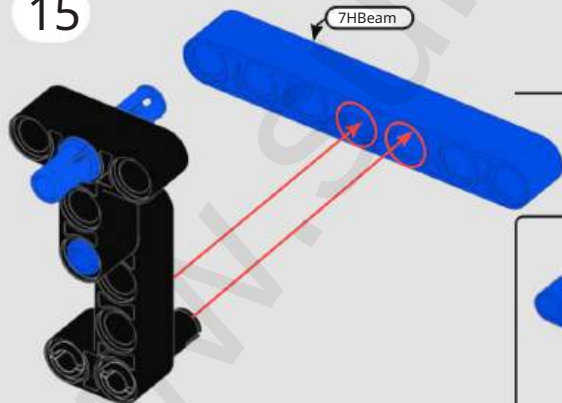


Син щифт на средната ос

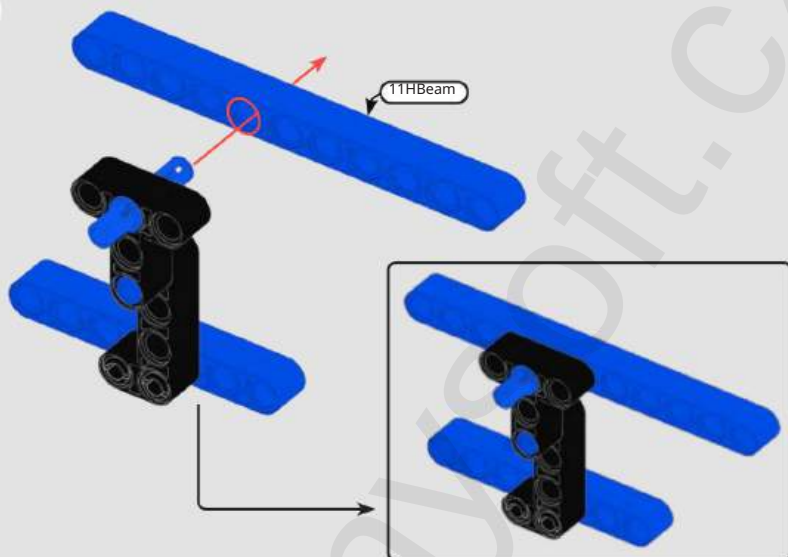


15

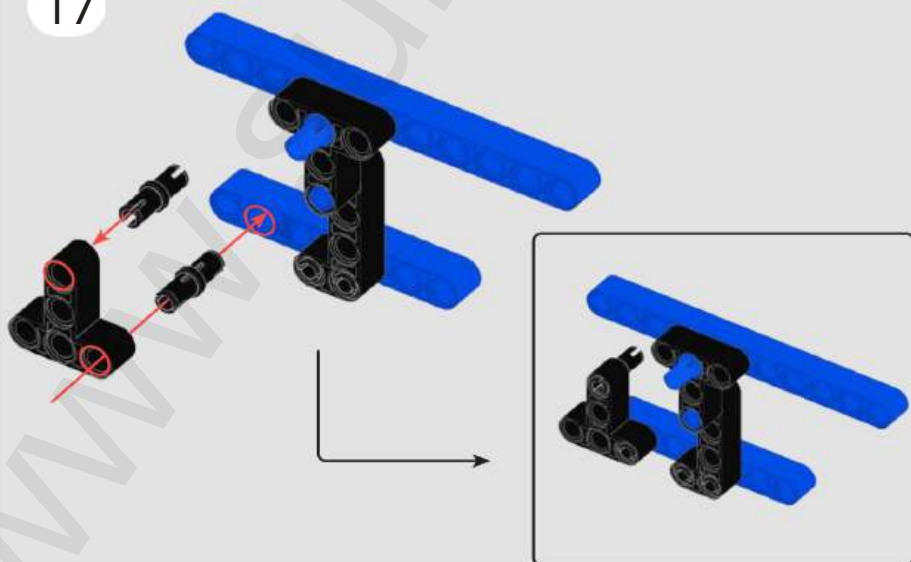
7HBeam



16



17

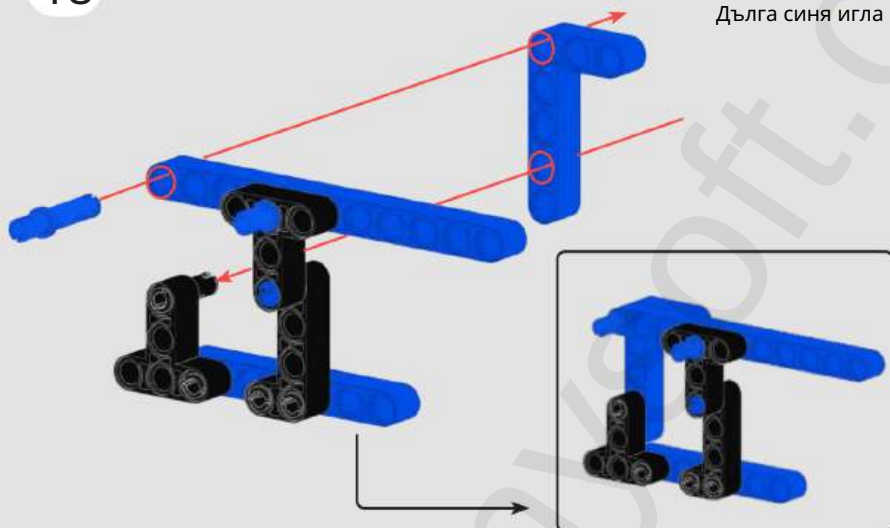


18

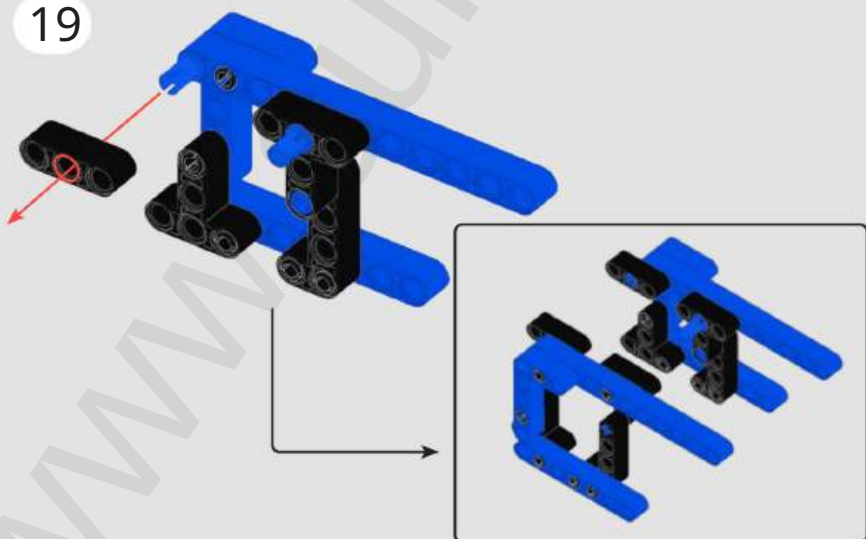
1:1



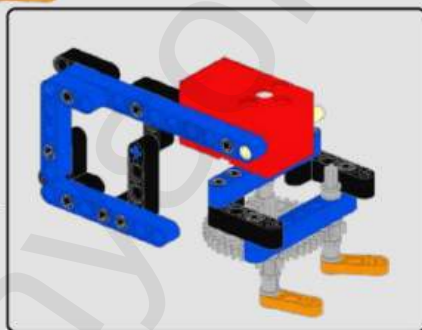
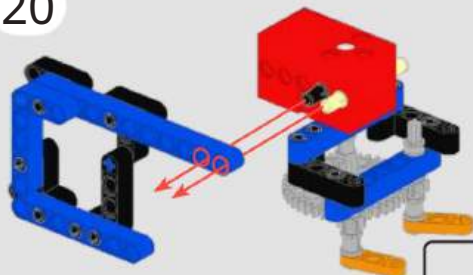
Дълга синя игла



19



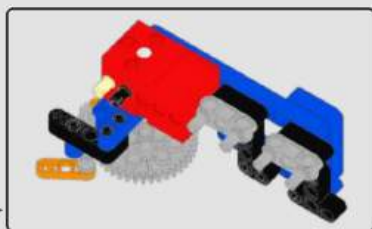
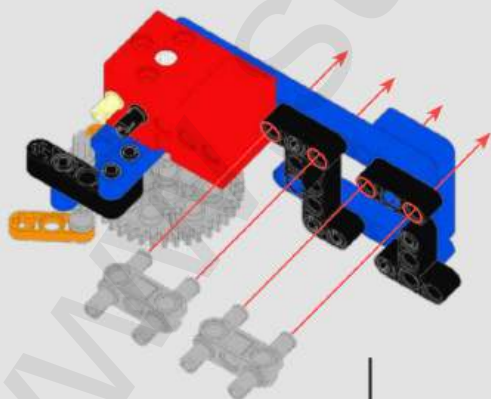
20



21



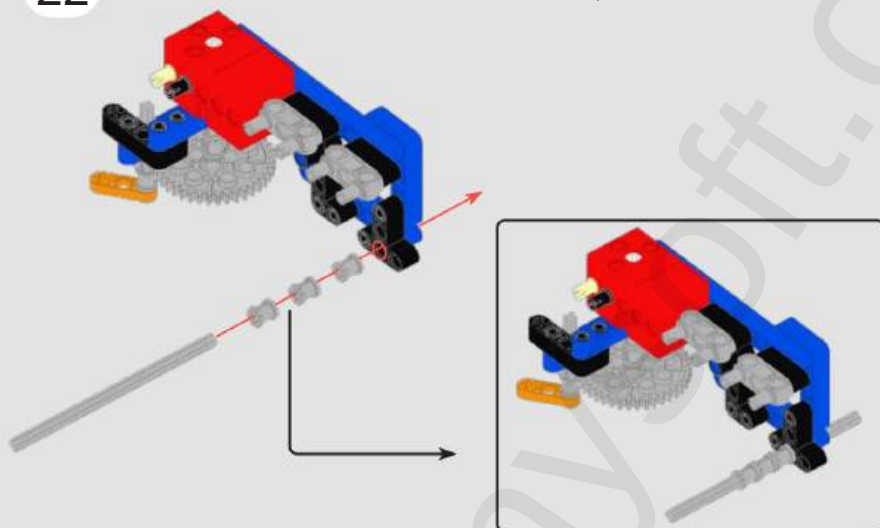
Изглед отгоре отзад вдясно



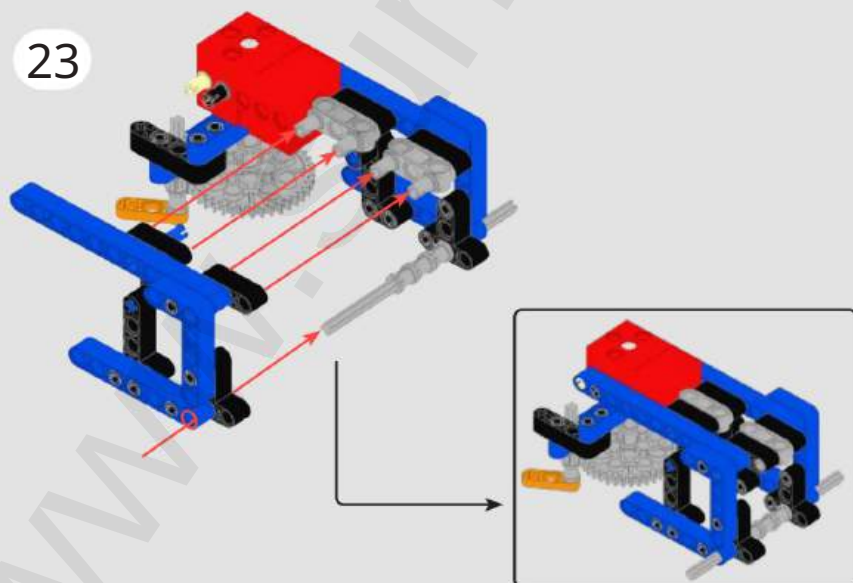
22

1:1

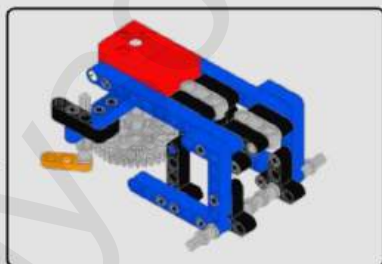
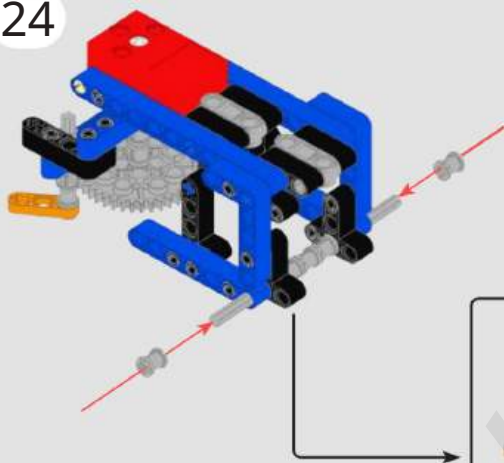
11Н Лекарство



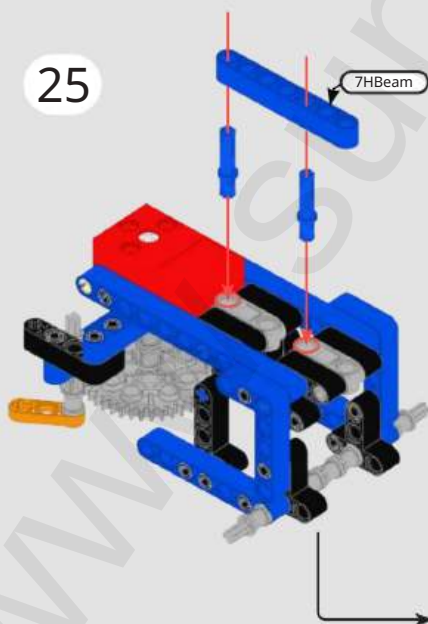
23



24



25

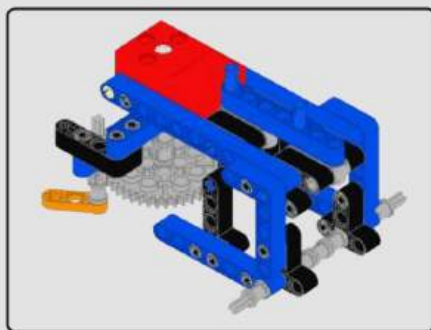


7H Beam

1:1



Дълга игла синя

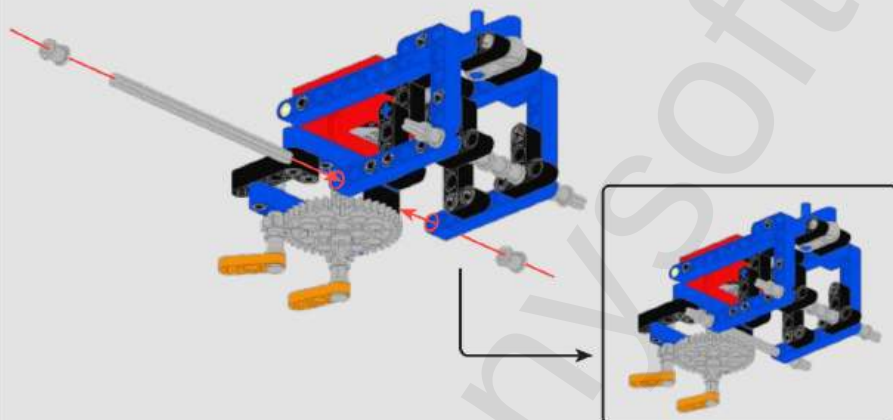


26

Изглед отзад долу вдясно

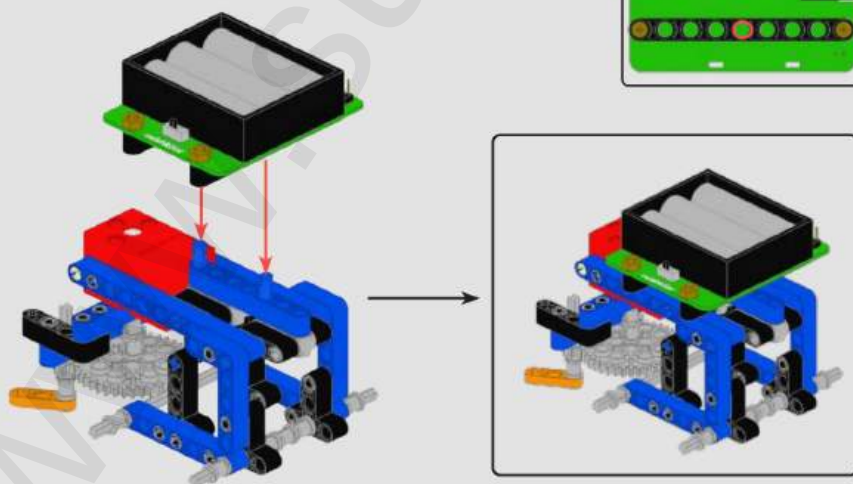
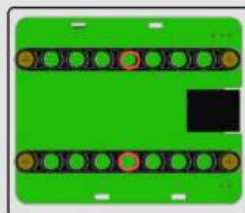
1:1

11Н Лекарство

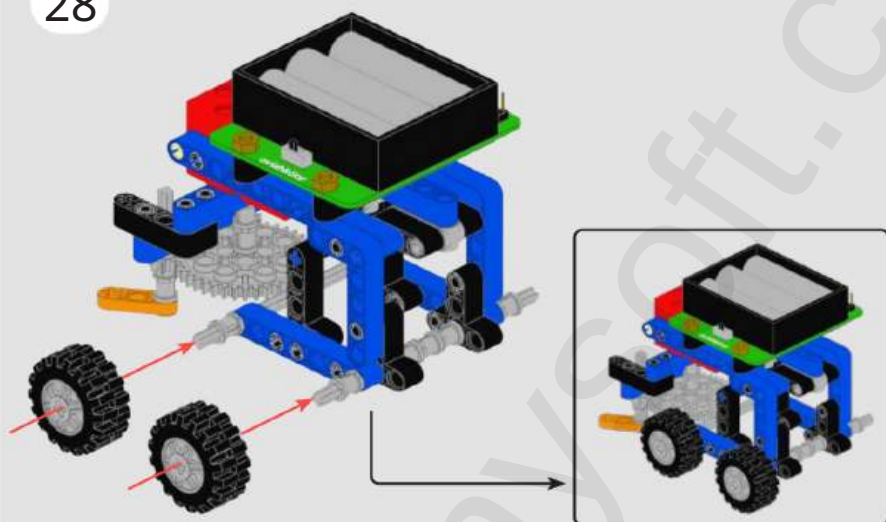


27

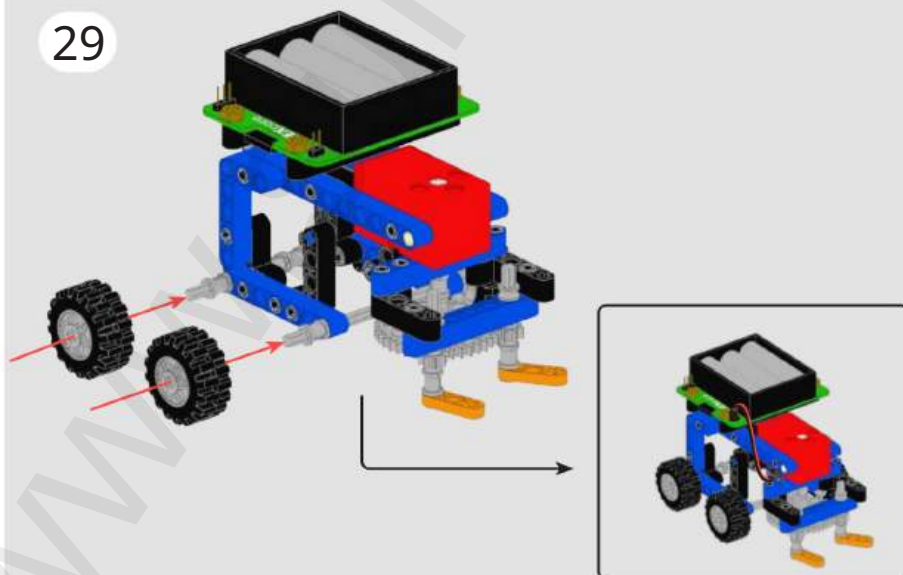
Изглед отгоре отзад вдясно



28



29



Поздравления за завършването на този проект!

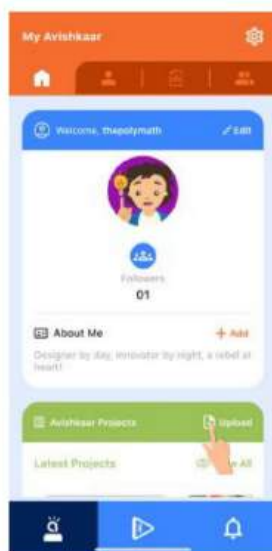
Обичате да играете с него
мобилно приложение avishkaar?
Отидете на страница 8 за подробни
инструкции как да изтеглите
приложението и да управлявате робота с него.



Споделете своето творение със света и спечелете значка за ниво 2 „Надраскайте повърхността“.

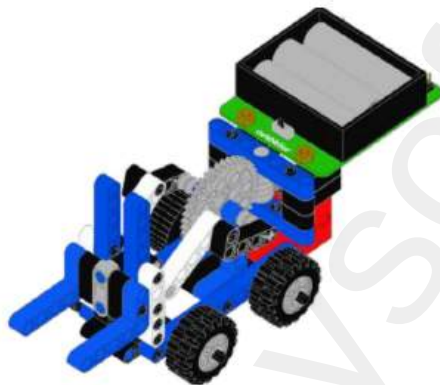
Качете снимки или видеоклипове на вашия проект, като използвате раздела за проекти на приложението Avishkaar и спечелете значка „Надраскайте повърхността“ от ниво 2 .

Вижте всичките си колекции
значки в раздела за постижения на вашия профил на www.avishkaar.cc. Разгледайте всички други значки, които искате да съберете, и ги спечелете всички!



Проект 4: Мотокар

Да строим!



Нещата, от които се нуждаем



11Н
лъч
x2



7Н
лъч
x4



5Н
лъч
x4



3Н
лъч
x7



7Н
L-греда
x4



1Сх4Н
L-греда
x6



5НТ
лъч
x2



Фронтален
зъбно колело
40Т x 1



Охлюв
скоростна кутия
- голяма x 1 бр



3Нх4Pin
Конекор
x2



Пълнеж
ОСИ-големи
x4



Пълнеж
ОСИ -
малки
x4



5Н Покрит
корекция
x 1



7Н
средство за защита
x 1



10Н
средство за защита
x2



Къса
игла-жълта
x 2 бр



Среден
pin-черен x
22



Среден
ПИН
сиво
x 2



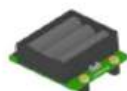
Дълги
pin-blue x 11



Щифт на
централната ос
-син x 2



Колело
x 4



Авишкар
MECore
x 1



MEX голям
DC
двигател
x 1

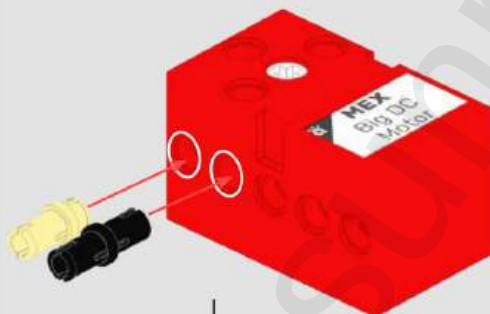
стъпка

1

1:1



Къса игла жълта

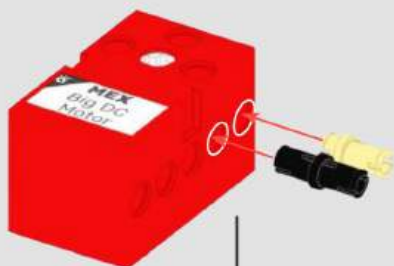


2

1:1

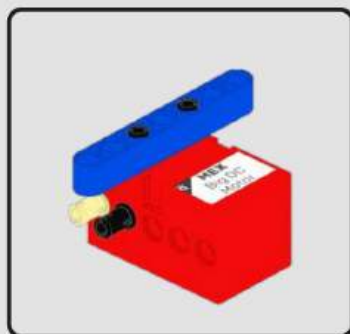


Къса игла жълта

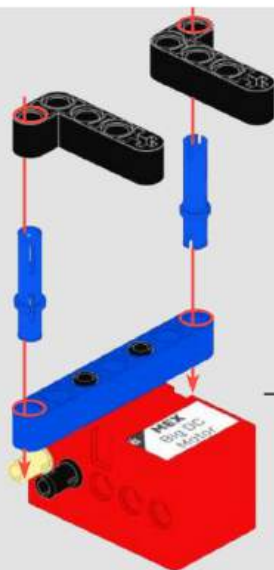


3

7HBeam



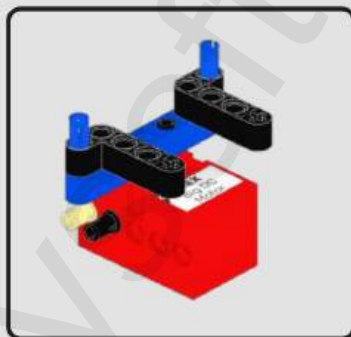
4



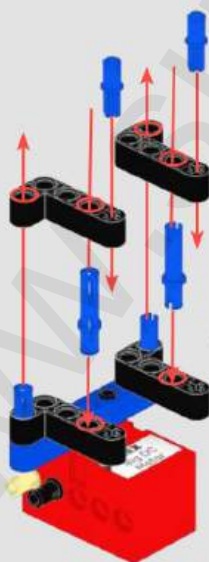
1:1



Дълга синя игла



5

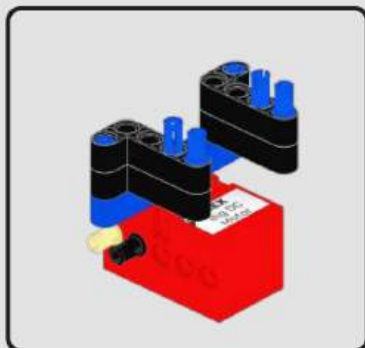


1:1

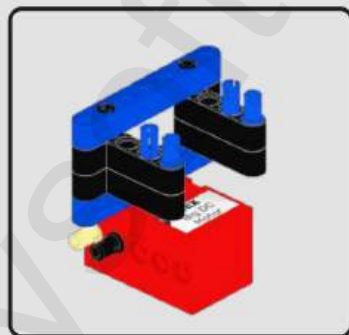
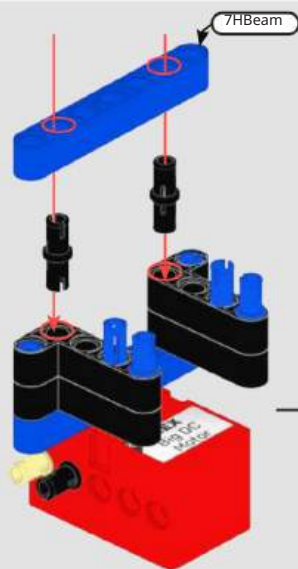


Дълга синя игла

1:1

Щифт на централната ос
Синьо

6

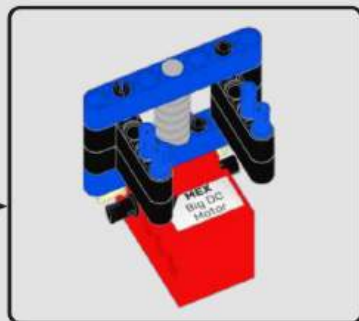
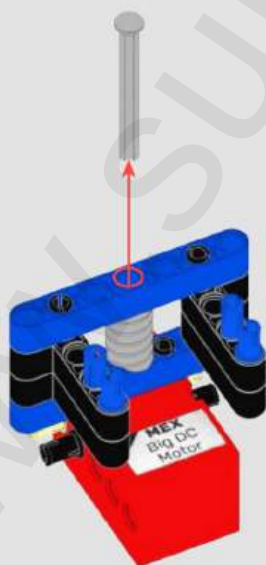


7

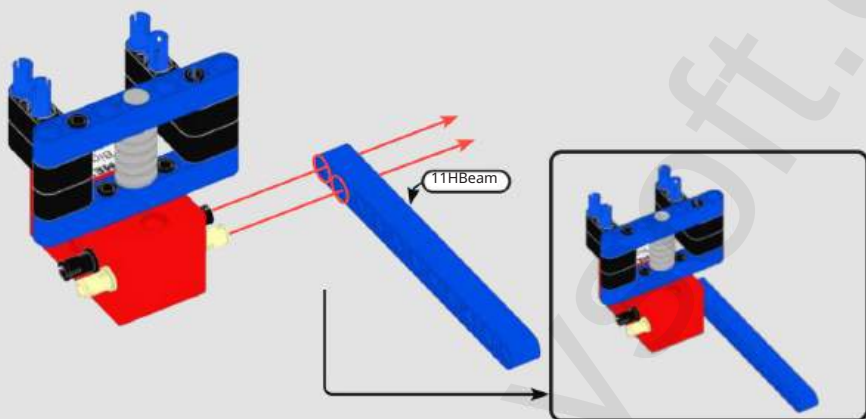
1:1



5H покрита ос



8

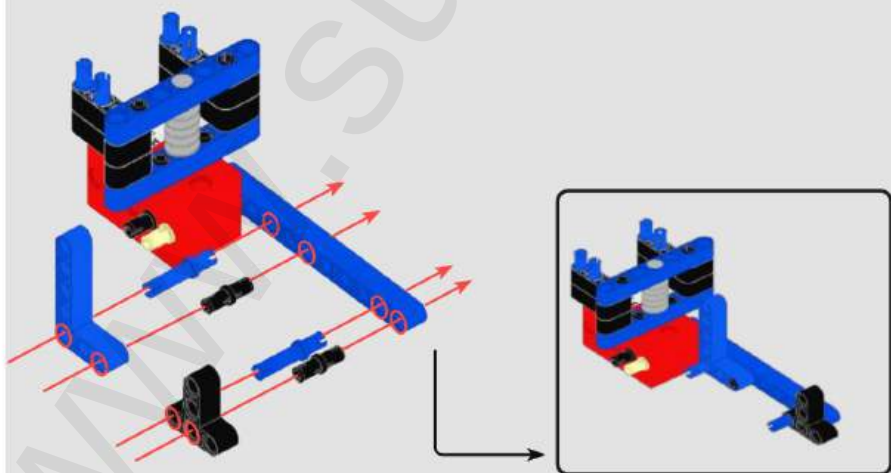


9

1:1



Дълга синя игла

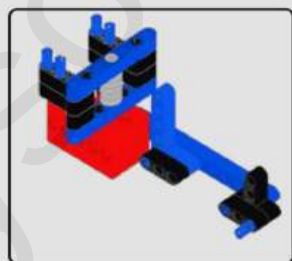
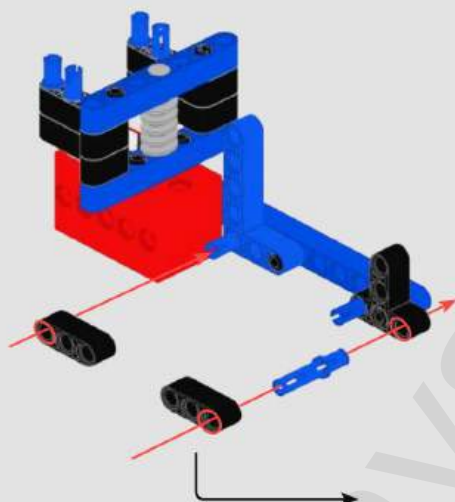


10

1:1



Дълга синя игла

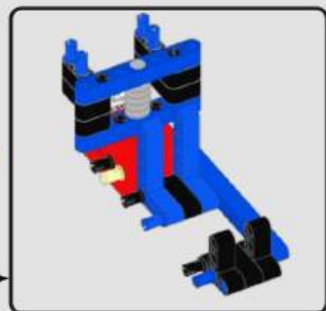
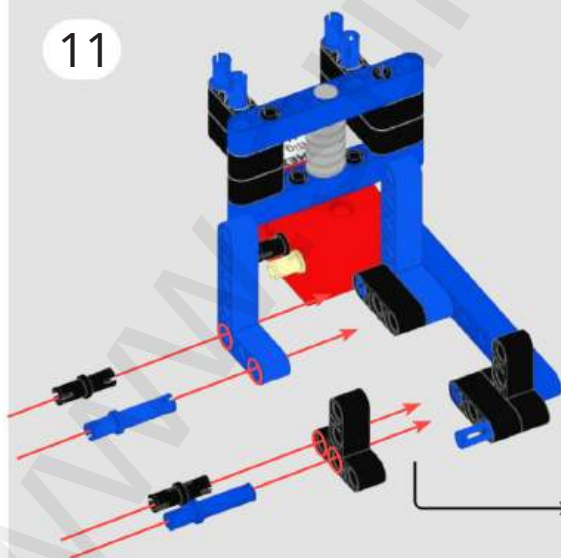


11

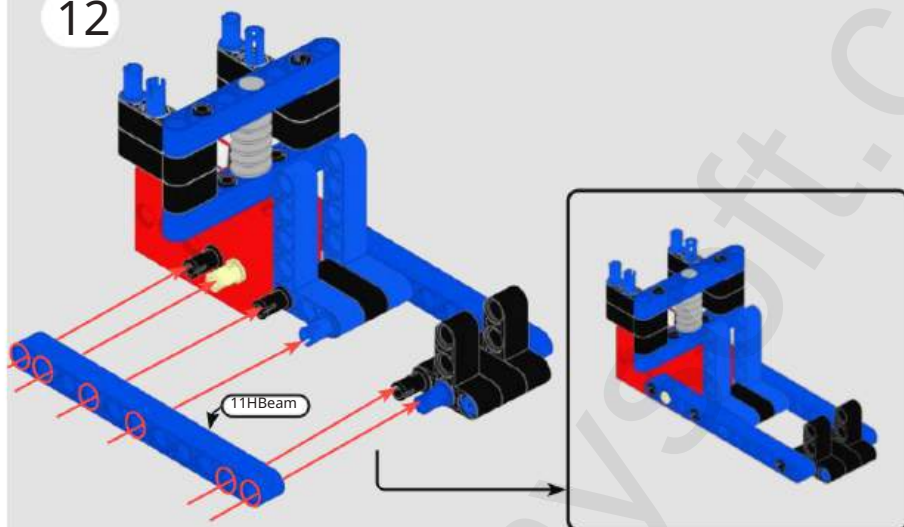
1:1



Дълга синя игла



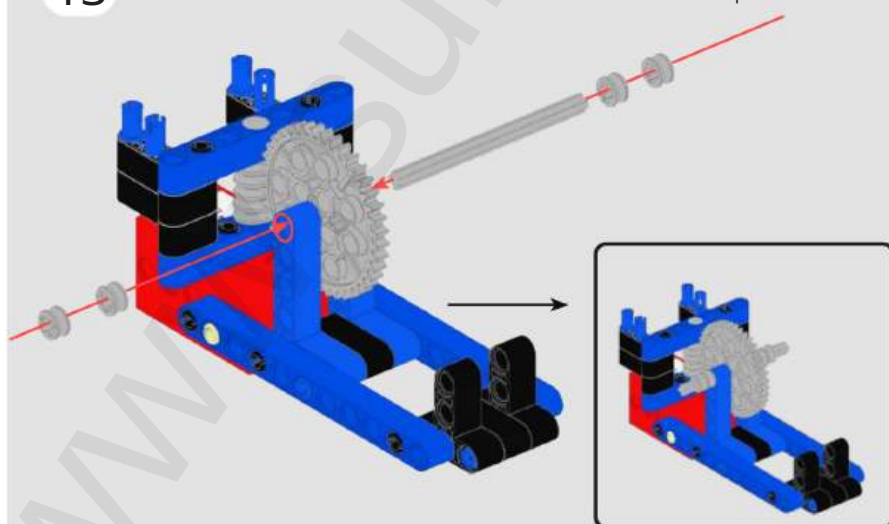
12



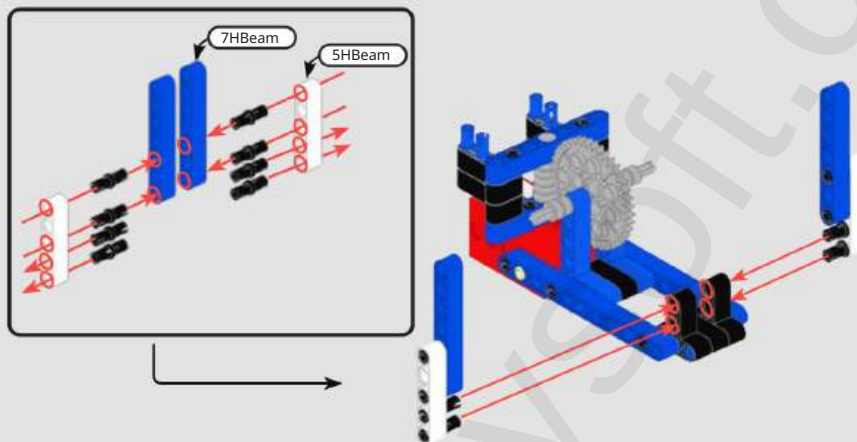
13

1:1

7H Лекарство



14

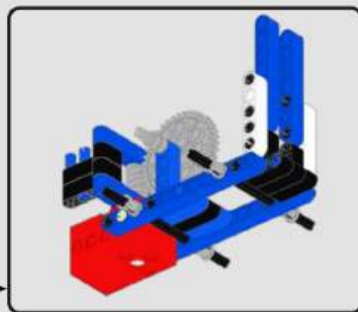
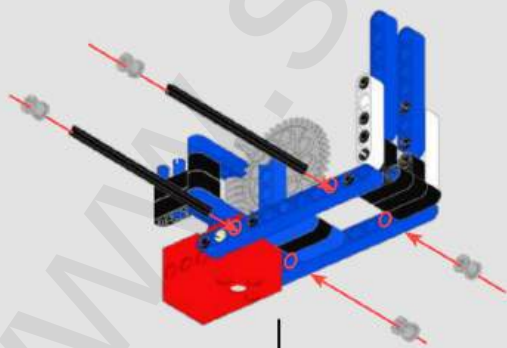


15

Изглед отпред долу вляво

1:1

10Н Лекарство

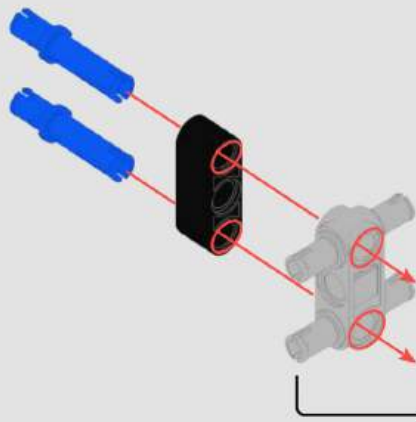


16

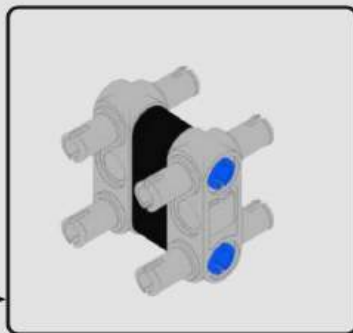
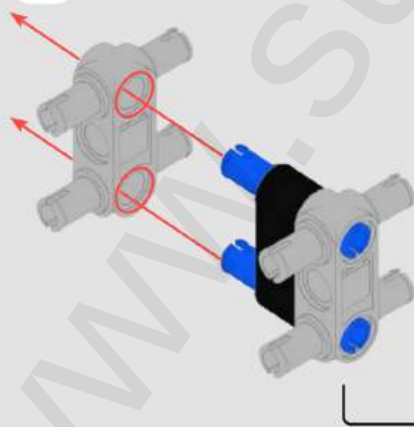
1:1



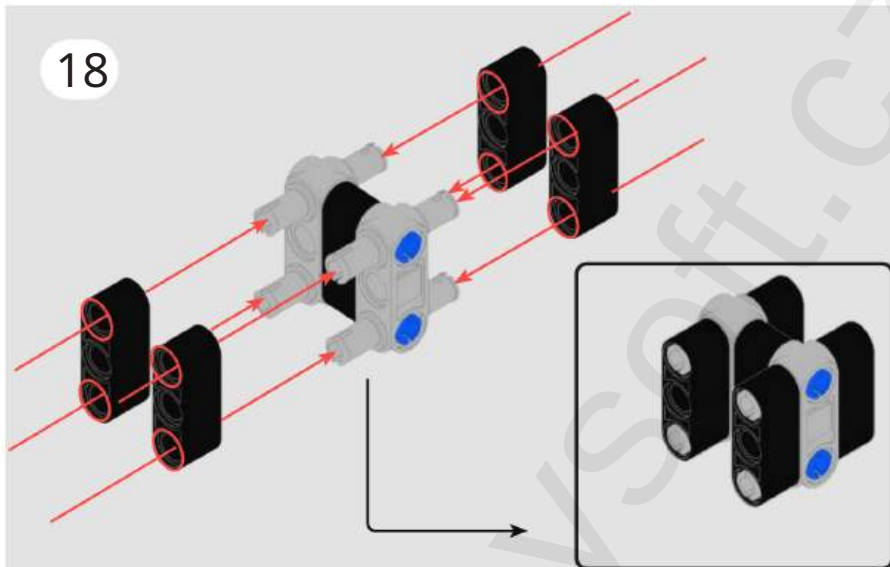
Дълга синя игла



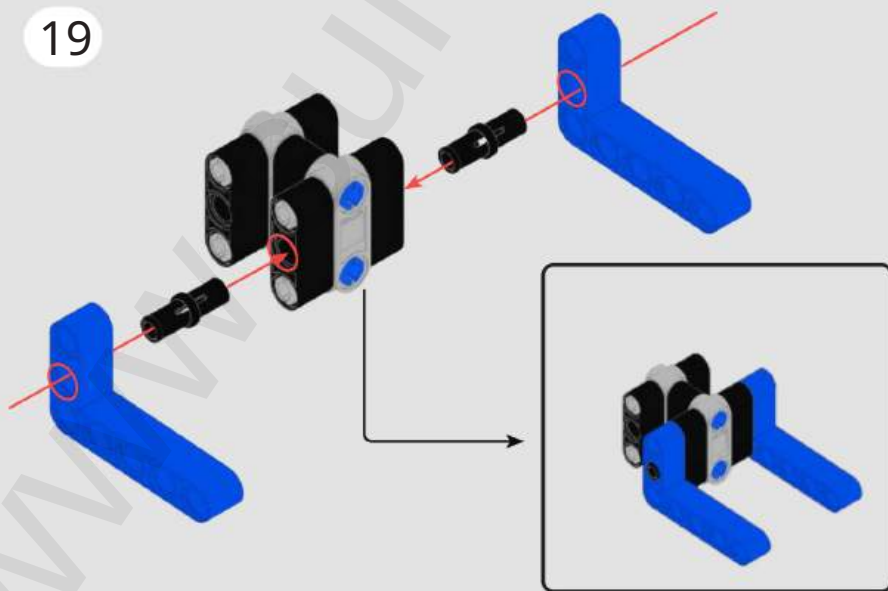
17



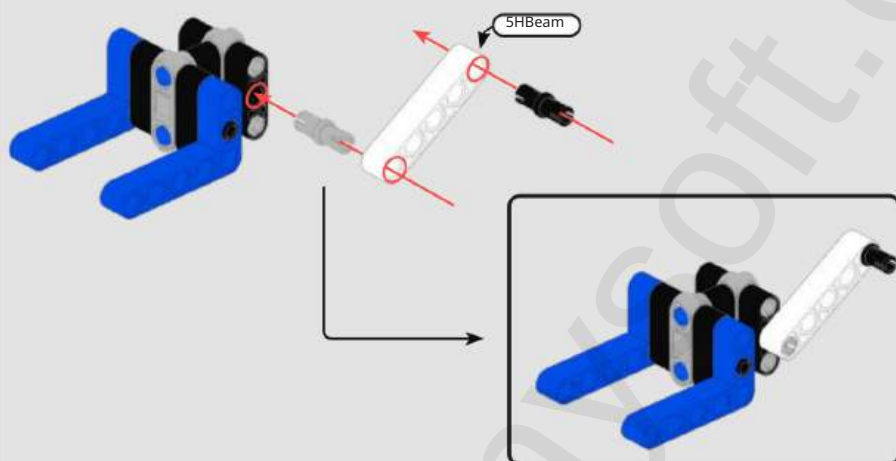
18



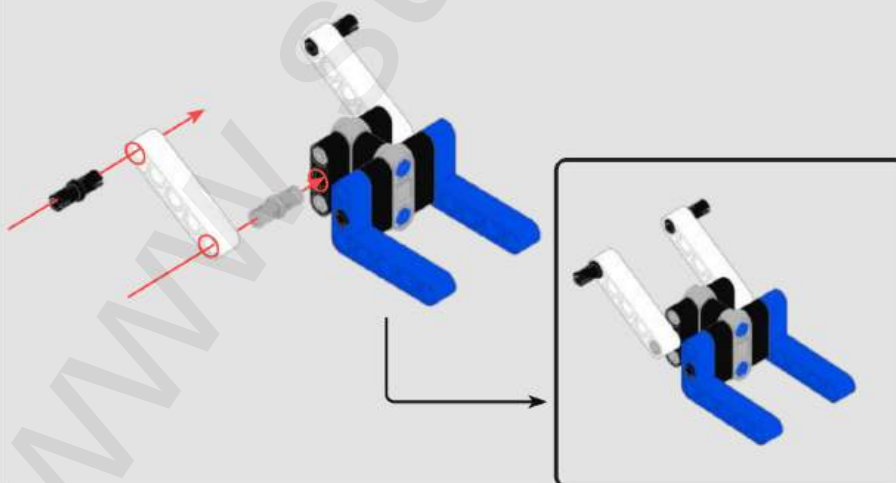
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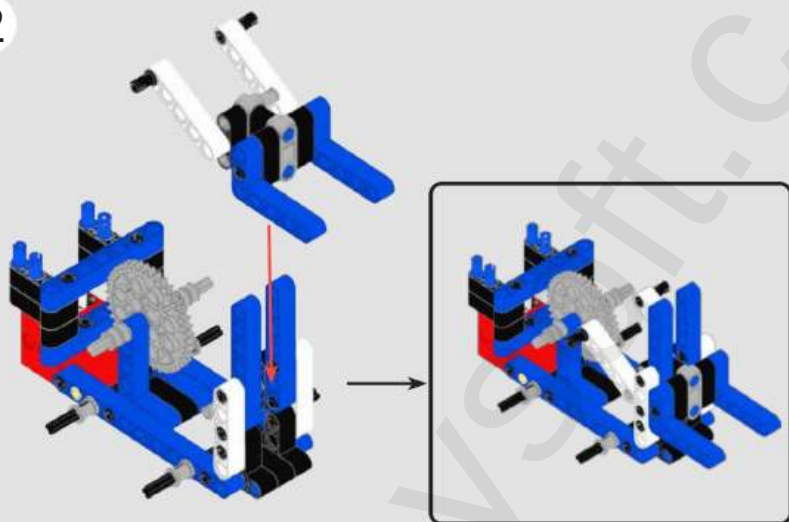
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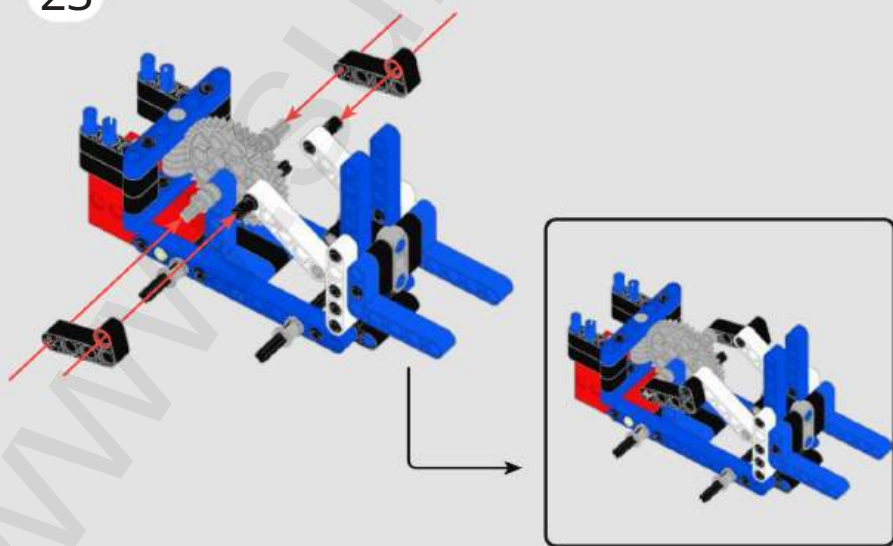
21



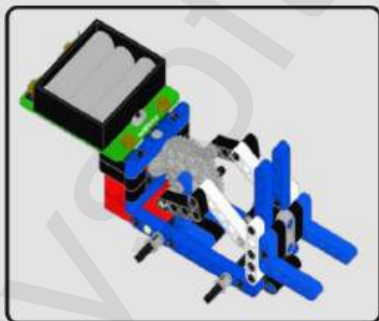
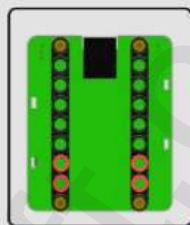
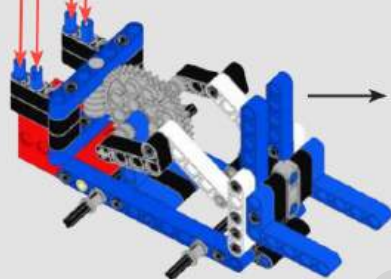
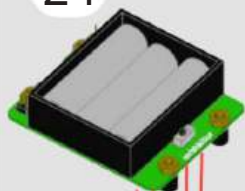
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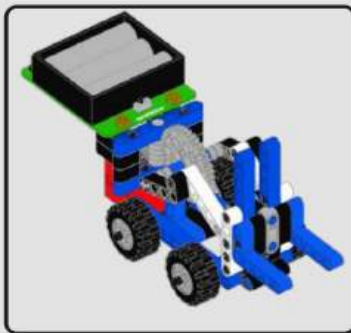
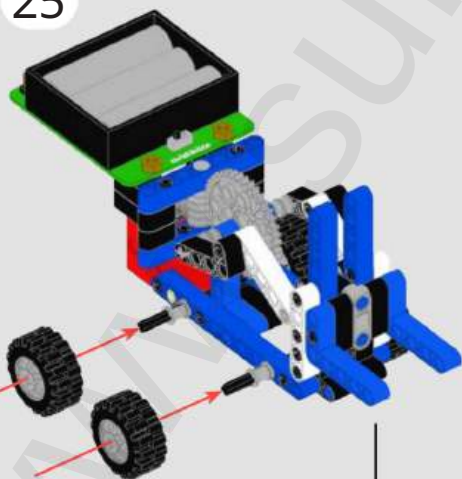
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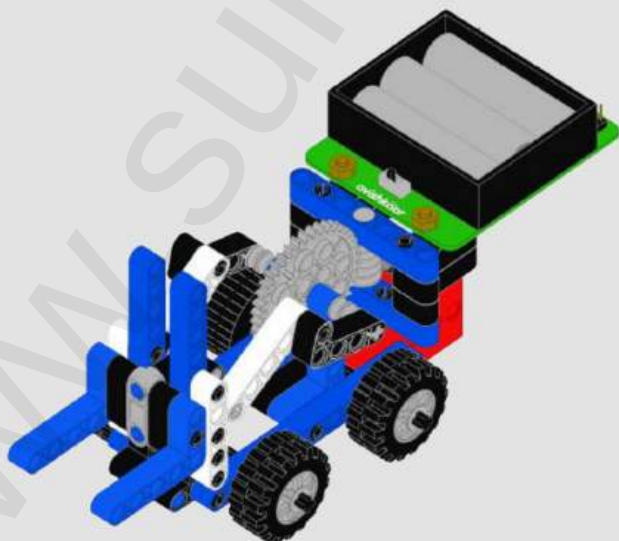
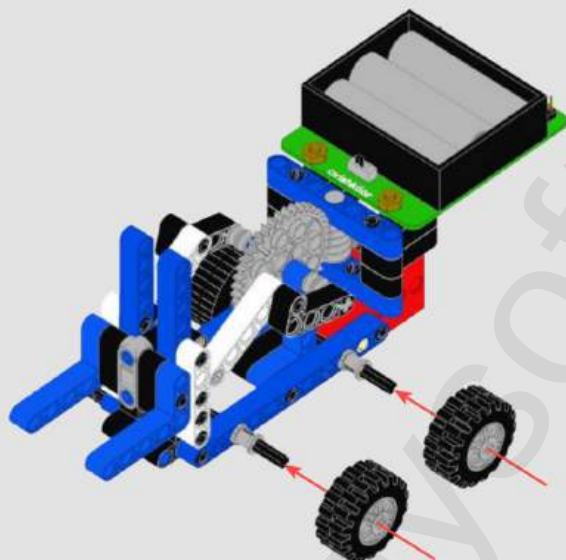
24



25



26



Поздравления за завършването на този проект!

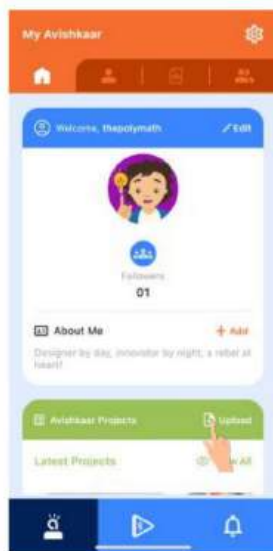
Обичате да играете с него
мобилно приложение avishkaar?
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приложението и да управлявате робота с него.



Споделете творението си със света и спечелете значка „Надраскайте повърхността“ от ниво 3

Качете снимки или видеоклипове на вашия проект, като използвате раздела за проекти на приложението Avishkaar, за да спечелите значката „Надраскайте повърхността“ ниво 3

Вижте всичките си колекции
значки в раздела за постижения на вашия профил
на www.avishkaar.cc Разгледайте всички други
значки, които искате да съберете, и ги
спечелете !



Проект 5: Доби робот

Да строим!



Нещата, от които се нуждаем



9Н лъч x 6



5Н лъч x
4



3Н
лъч
x4



7Н
L-греда x 4



1Сx4Н
L-греда x 4



5НТ
лъч
x2



1Сx1Н
Греда x
2



2Сx1
Тънка греда x 1



3Нx4Pin
Конектор
x2



Пълнител
на оси

- малък x 2 бр



3Н ос x 2



Кратко
Pin-жълто
x 1



Дълга
игла-синя
x 10



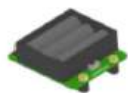
Средна игла
черна
x 18



Щифт на
централната ос -
син x 4



Среден щифт
сив x
4



Авишкар
MEXCore x
1



MEX голям
DC
двигател x 1

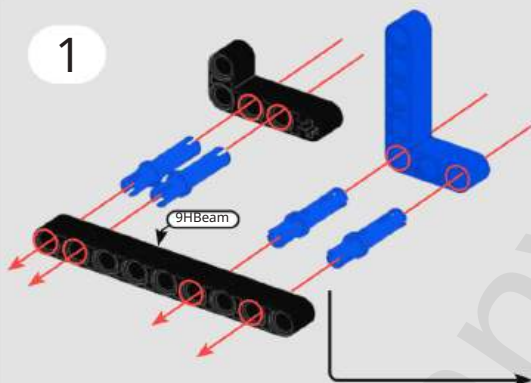


Дълга
игла-жълта
x 2 бр



3Сx2H
Тънък -D
x 2

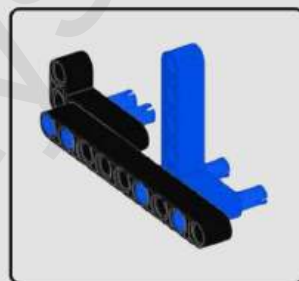
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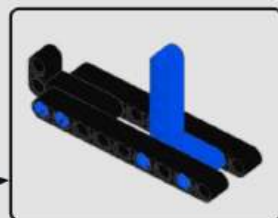
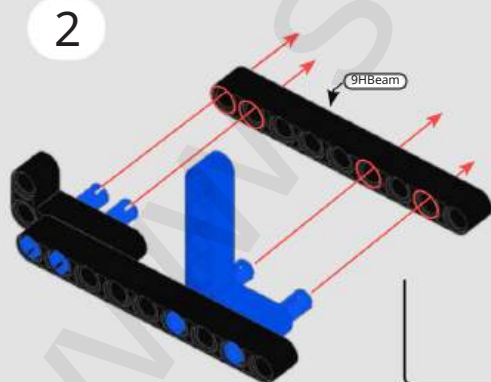
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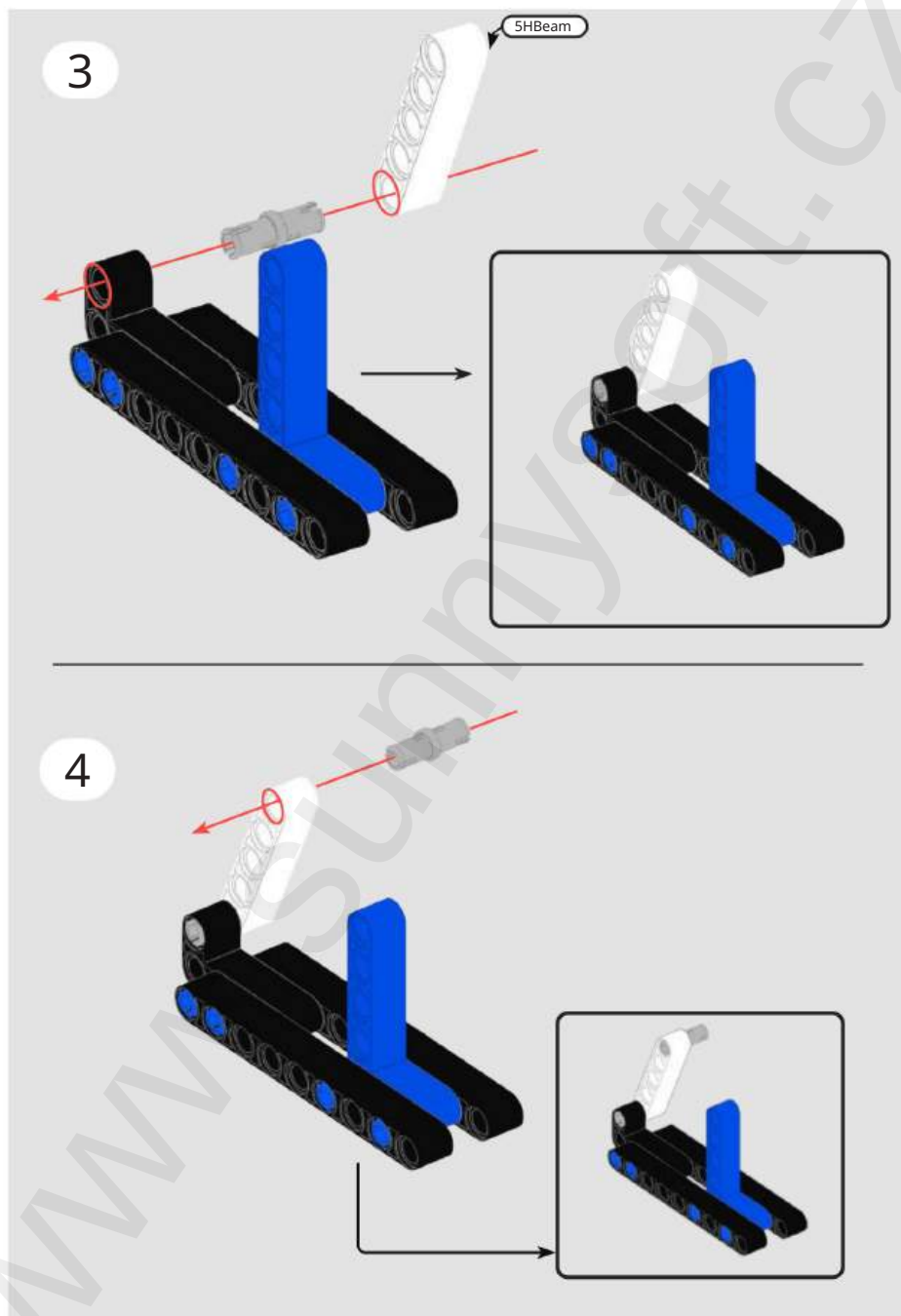


Longpin-синьо

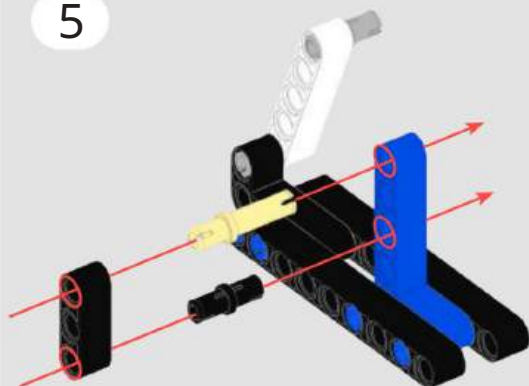


2





5



1:1

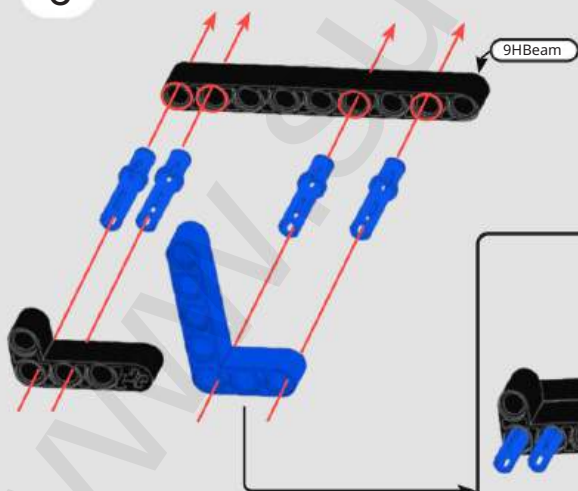


Дълга игла-жълта



6

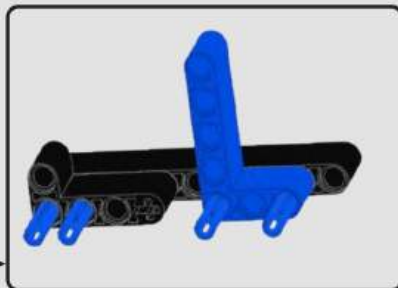
Да направим огледалната страна.



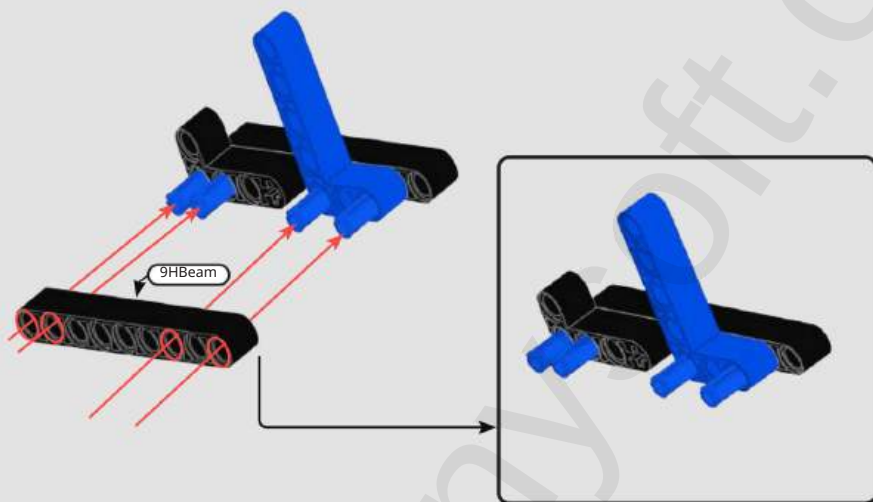
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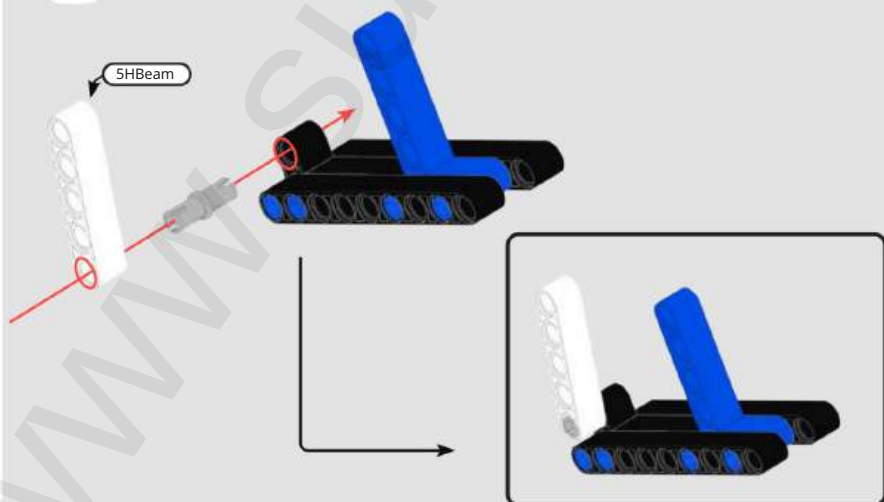
Дълга игла-синя



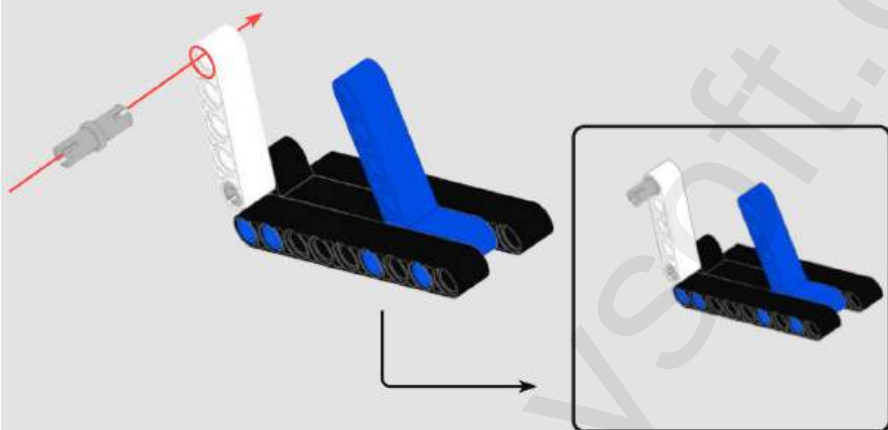
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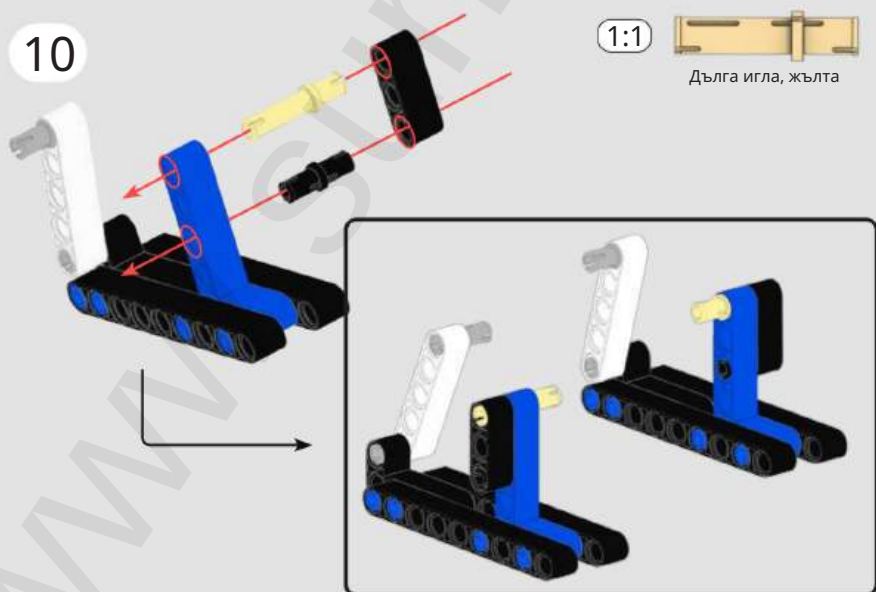
8



9



10

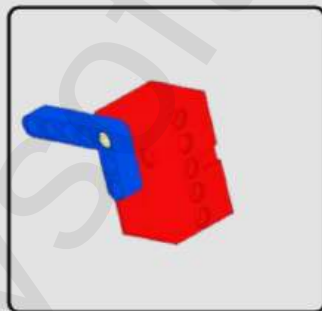
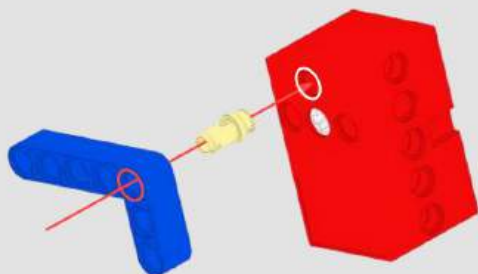


11

1:1



Къса игла жълта

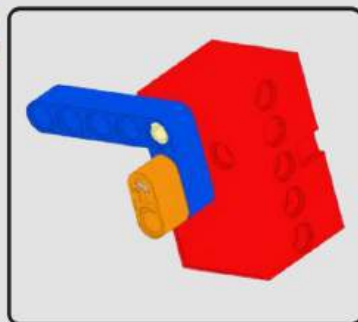
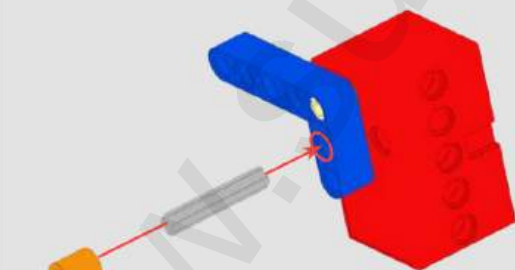


12

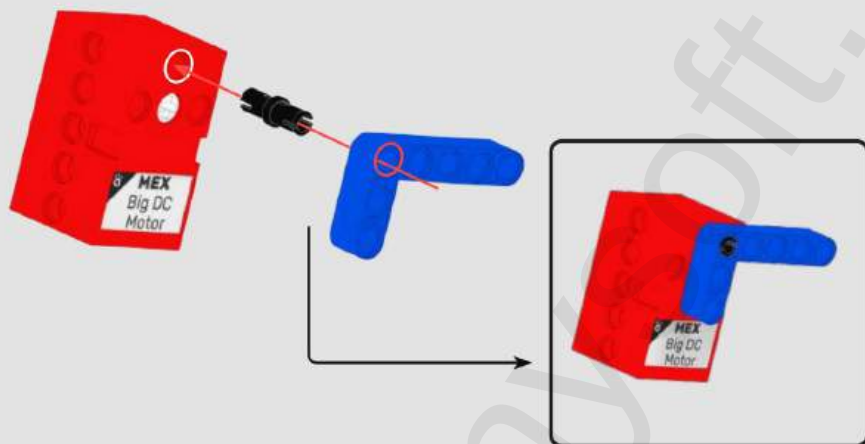
1:1



3Н средство



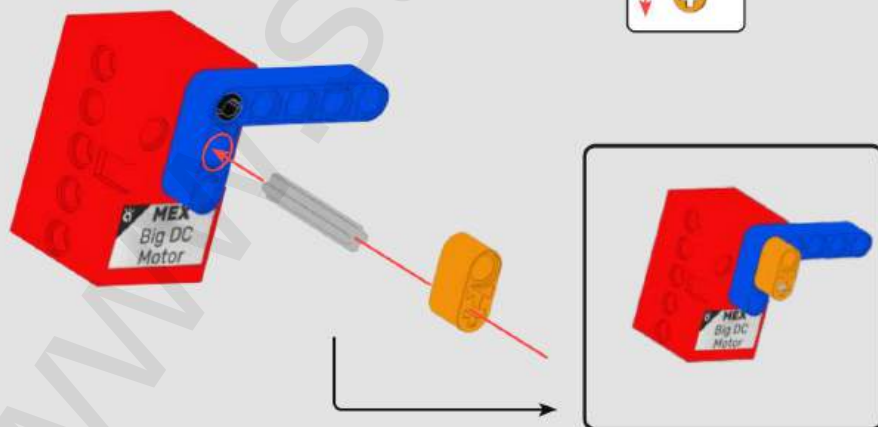
13



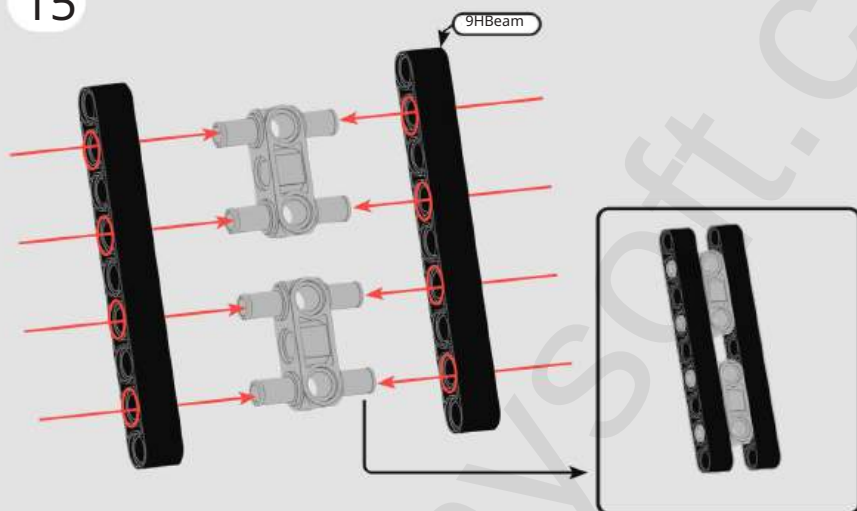
14

1:1

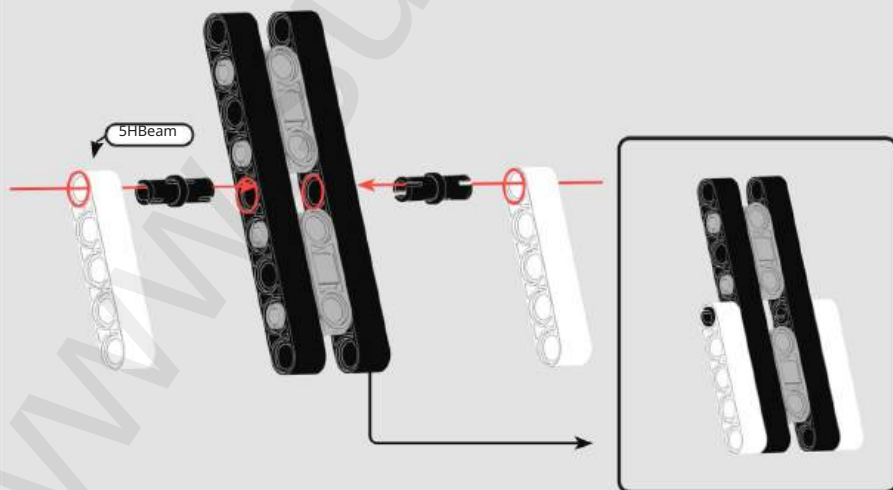
ЗН средство



15



16

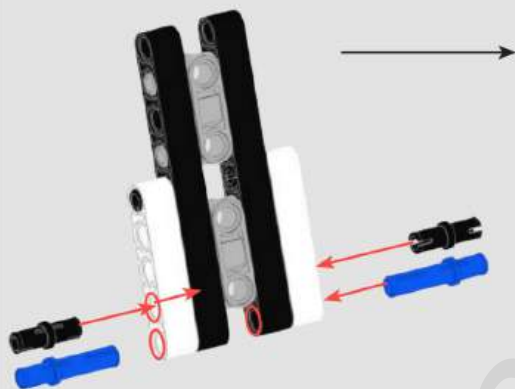


17

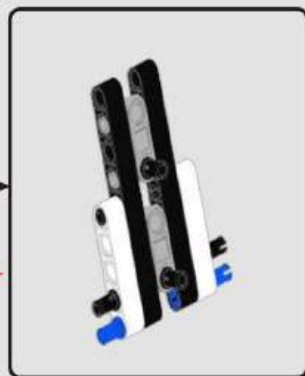
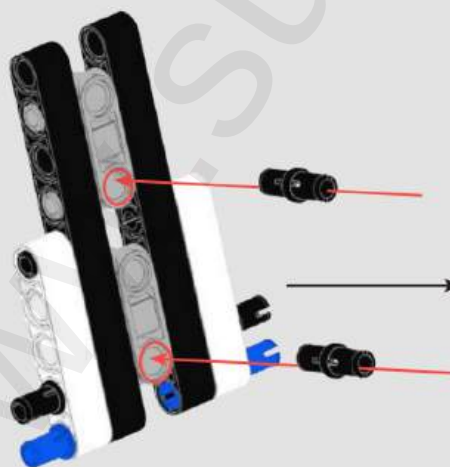
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Дълга синя игла



18

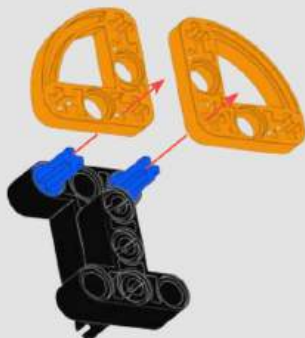
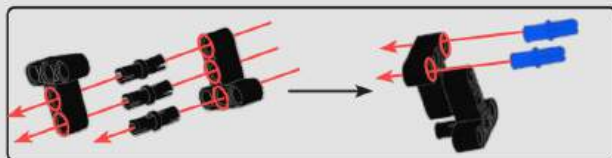


19

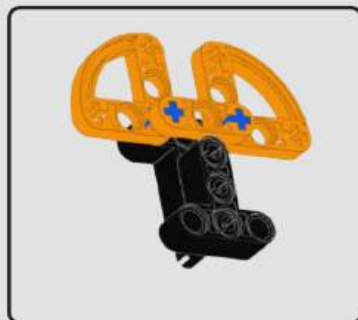
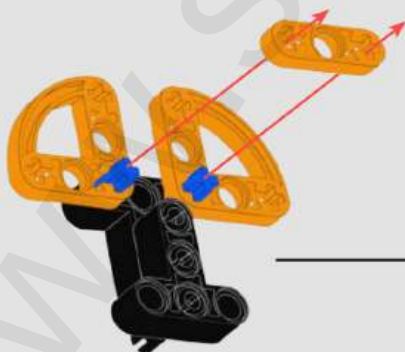
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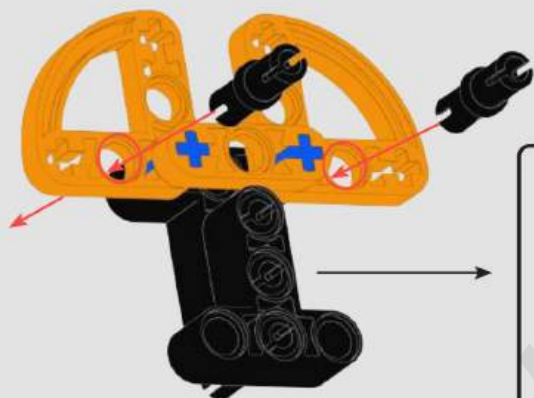
Син щифт на
средната ос



20



22

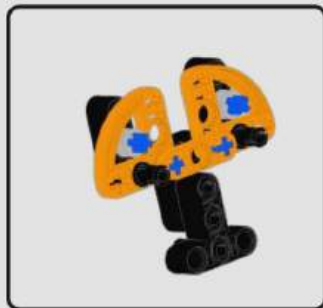
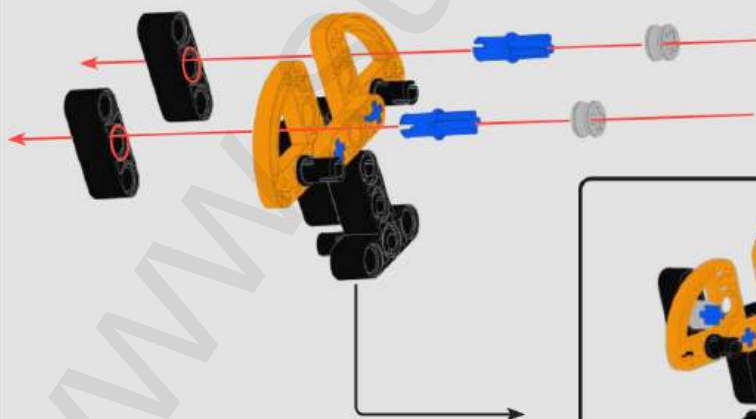


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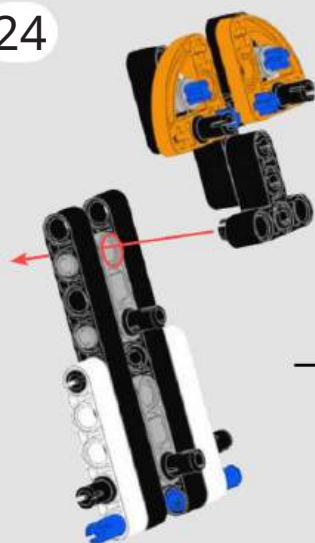
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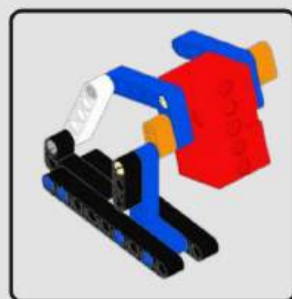
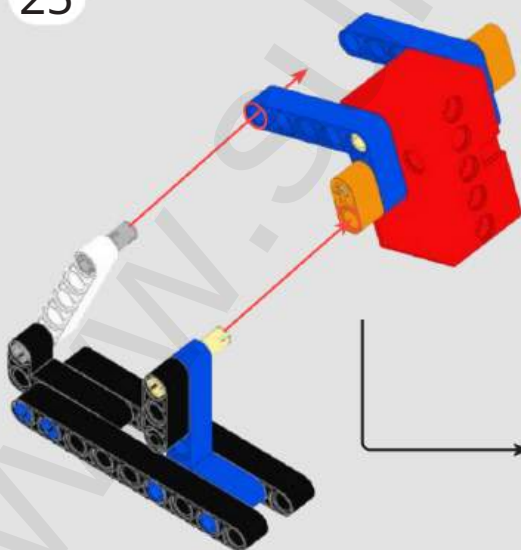
Син щифт на средната ос



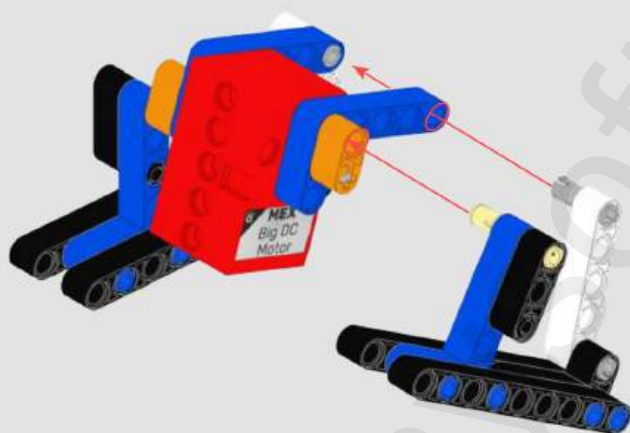
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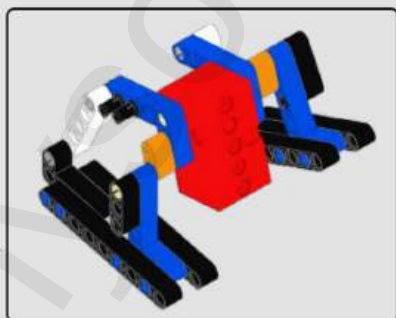
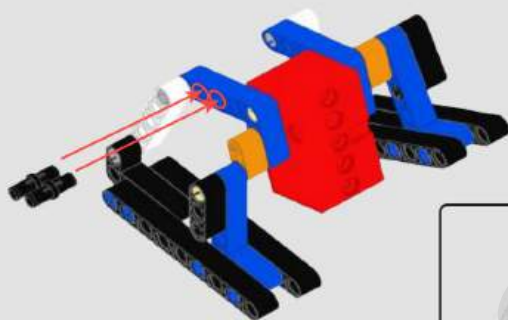
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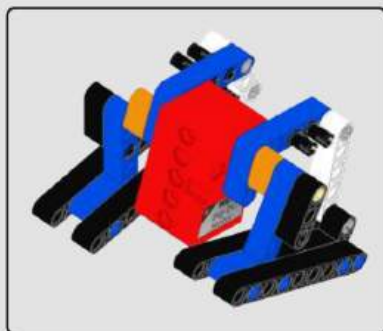
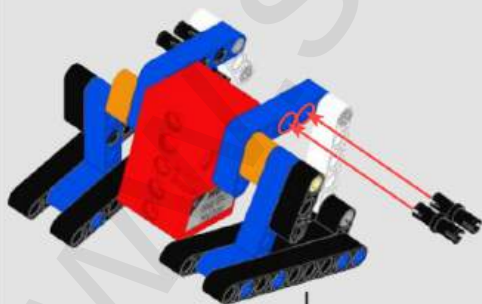
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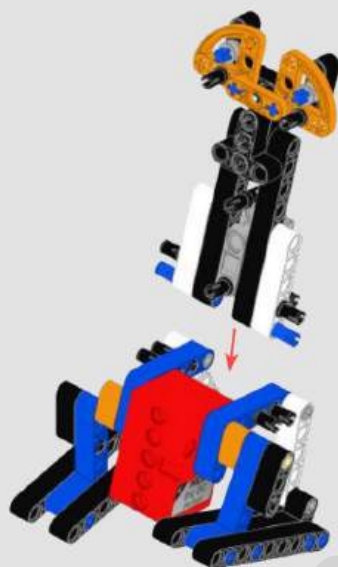
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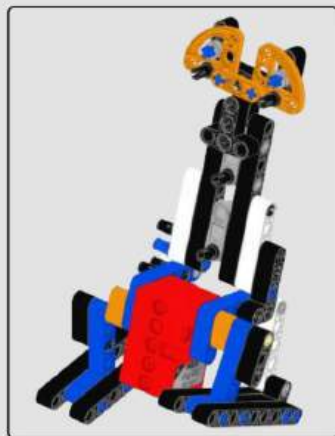
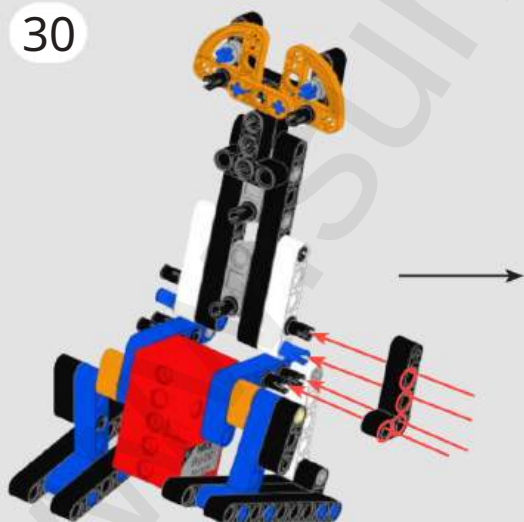
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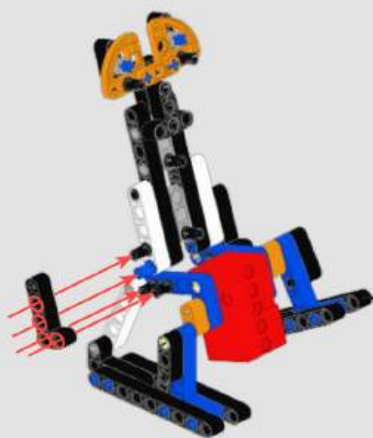
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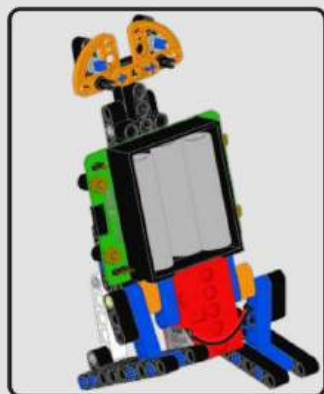
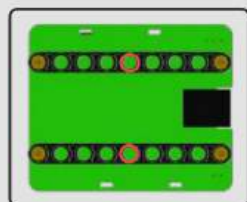
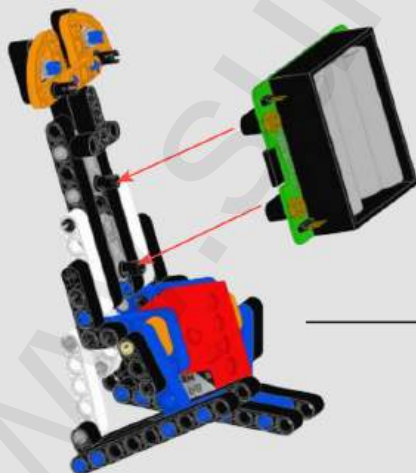
30



31



32



Поздравления за завършването на този проект!

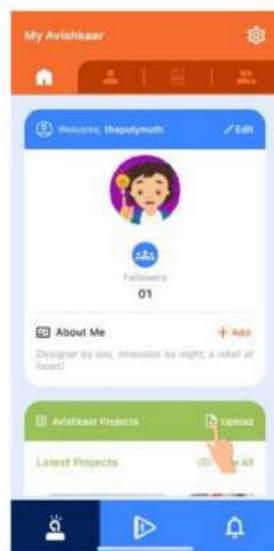
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Споделете своето творение със света и спечелете „Надраскайте повърхността“ ниво 3

Качете снимки или видеоклипове на вашия проект, като използвате раздела за проекти на приложението Avishkaar и спечелете значка за ниво „Надраскайте повърхността“ 3.

Вижте всичките си колекции
значки в раздела за постижения на вашия профил
на www.avishkaar.cc Разгледайте всички други
значки, които искате да съберете, и ги спечелете !



Имате ли проблем?

Нашата техническа поддръжка е на разположение, за да ви помогне през тези часове – от понеделник до събота: от 9:00 до 20:00 часа, неделя и 3-та събота: от 9:00 до 18:00 часа



Софтуерни
проблеми



Проблеми с
използваемостта



Хардуерни
проблеми

Свържете се с поддръжката, като сканирате QR кода.



support@avishkaar

+91-8506931515

Доставчик/Дистрибутор

Sunnysoft sro
Кованечка 2390/1a
190 00 Прага 9

Чехия

www.sunnysoft.cz

avishkaar

+91 - 8506931515 support@avishkaar.cc www.avishkaar.cc



@AvishkaarEdu

MEX

Kit de pornire pentru
robotică

Ghidul utilizatorului





„Nu visez la succes,
lucrez pentru el!”

Cuprins

| | |
|--------------------------------|-----|
| Profită la maximum de trusa ta | 04 |
| Jurământul inovatorului | 06 |
| Explorează-ți trusa | 07 |
| Verificarea armurii | 13 |
| Totul despre osii | 16 |
| Proiect 1: MEX mobil | 17 |
| Proiectul 2: Macara | 37 |
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Profită la maximum de trusa ta

Inovează



Depuneți jurământul inovatorului

Depuneți jurământul
inovatorului menționat la
pagina 6 și înțelegeți ce înseamnă acesta
a fi un inovator.



Învăță să folosești manualul/videoclipurile

Urmați instrucțiunile
detaliate din manual și
învățați să construiți
roboți interesanți folosind kitul
dvs.



Construiește, codifică și controlează

Creați inovatoare
proiecte folosind kit-ul dvs. și
controlați roboții folosind
Telecomanda Avishkaar și codul
folosind Avishkaar Maker
Studio.

 Distribuie Câștiga

Alăturați-vă hai sa Avishkaar

Alăturați-vă comunității noastre FB - conectați-vă cu inovatori și obțineți cele mai recente actualizări ale seminariilor web.



Încărcați proiecte Încărcați proiecte în

www.avishkaar.cc și împărtășiți-le cu inovatorii din întreaga lume.



Internățional Concursuri

Participați la competiții săptămânale, lunare și anuale și câștigați în întreaga lume.



Jurământul inovatorului

Depuneți jurământul inovatorului de mai jos pentru a vă angaja pe tot parcursul vieții pentru inovare și rezolvarea problemelor. Distribuți fotografia pe comunitatea FB Let's Avishkaar.

I (write your name)

*solemnly swear that, since I am
now on the path of innovation,*

*I will not give up until my
innovation, my project is ready.*

*I will hone my skills and tools
and use them well. Innovation
and I will be inseparable.*

*I will always share my
innovations with other
innovators and learn with them.*

Your Signature



Pentru
cercetarea trusei dvs

Bine ați venit la Aviskaar

Descărcați aplicația Aviskaar

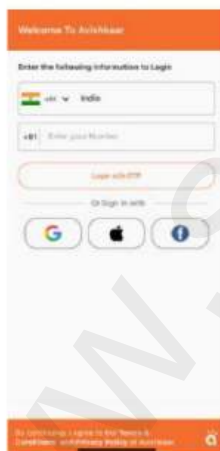
Descărcați aplicația Avishkaar scanând codurile QR de mai jos:



1

Creați un cont

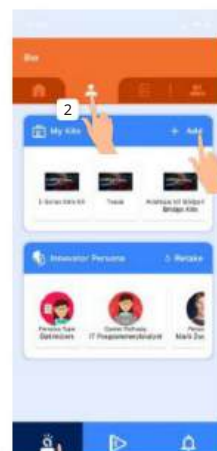
Deschideți aplicația și urmați instrucțiunile de pe ecran pentru a crea un cont.



2

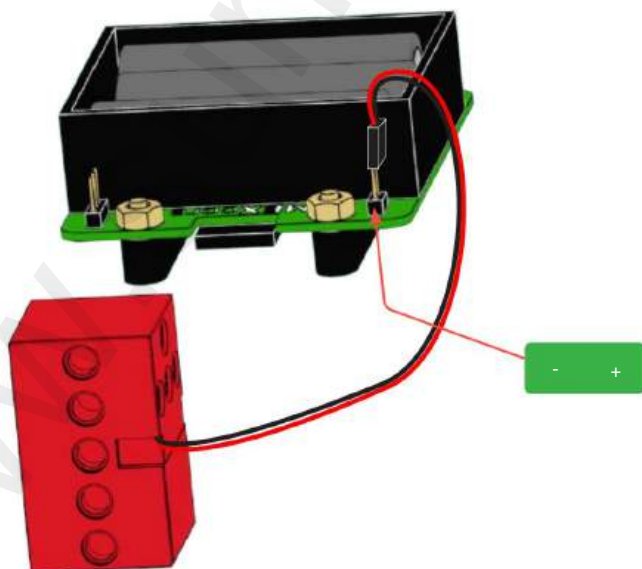
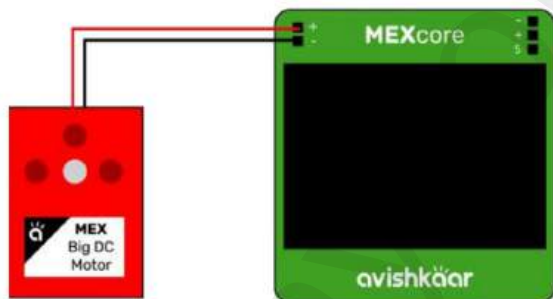
Înregistrați-vă trusa

Accesați secțiunea „Profil” din aplicație și faceți clic pe „+ Adăugați altul” în secțiunea „Seturile mele” pentru a vă înregistra setul. Acest pas este important pentru controlul ulterior al robotului.



Product Registration
Sticker

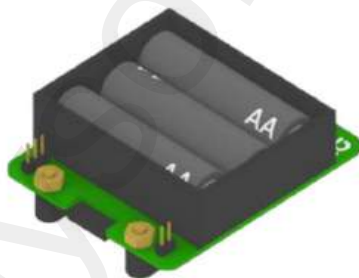
Cum se conectează un motor la MEXcore



Controlul aplicațiilor

- 1 Introduceți bateriile în MEXcore și porniți -l. Veți observa că MEXcoreLED clipește verde.

Notă - Folosiți numai baterii alcaline AA. (Orice alt tip poate deteriora nucleul MEX.)



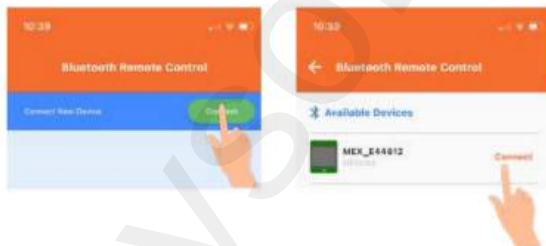
- 2 Activați Bluetooth pe telefon.



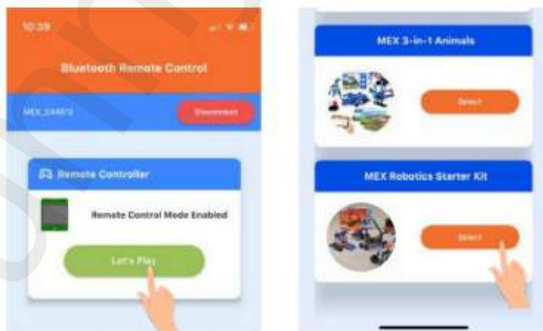
- 3 Deschideți aplicația Avishkaar și faceți clic pe butonul „Play” din secțiunea „Acasă”.



- 4 Faceți clic pe „Conectați”. Aplicația dvs. ar trebui să poată găsi MEXcore dacă este activată. Odată ce aplicația vă recunoaște MEXcor, faceți clic pe "Conectare".



- 5 Faceți clic pe „Hai să jucăm” și selectați „MEX Robotics Starter Kit” din meniul de selecție a kit-ului.



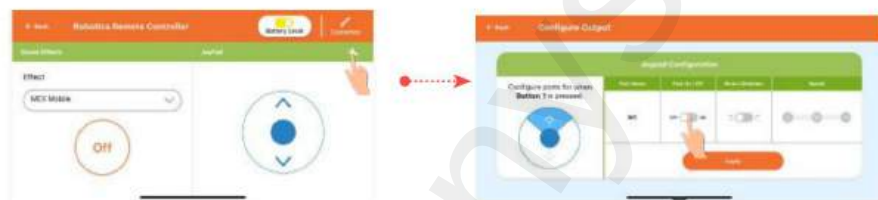
- 6 Se va deschide ecranul telecomenzii, permițându-vă să controlați motorul LED și sunetul Tusker-ului dumneavoastră. A se distra!



Configurați Efecte sonore

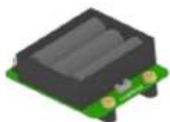


Joystick



Verificarea armurii

Caseta 1 (Electronics)



Avishkaar
MEXCore
x 1



Motor mare
DC MEX
x 1

Caseta 2 (Piese de construcție)

fascicul



fascicul 15H
x 1



fascicul 11H
x2



9H fascicul x 6



3H fascicul x 10

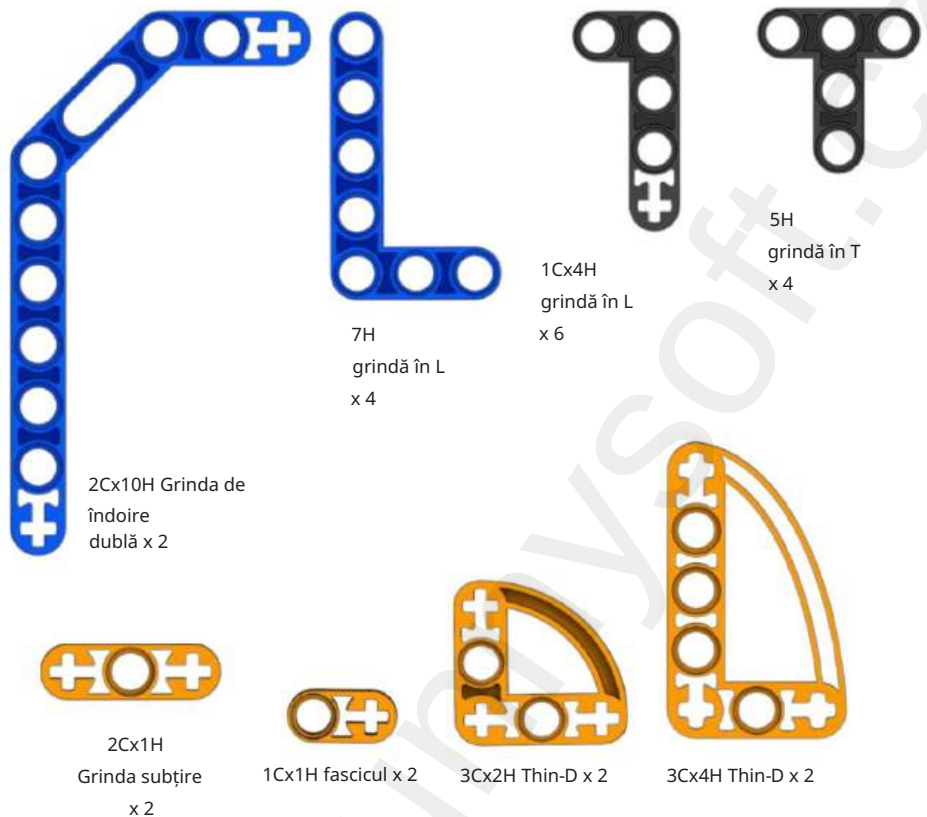


fascicul 7H
x5



5H fascicul x 4

Notă: „H”
înseamnă găuri. de ex.
Fascicul 15H înseamnă
grindă cu 15 găuri.



ACEI



Pin lung-
albastru x 12



Pin lung-galben
x2



Pin mediu -negru x 26



Pin mijlociu -negru x 4



Axul central al
axeii - albastru x 4

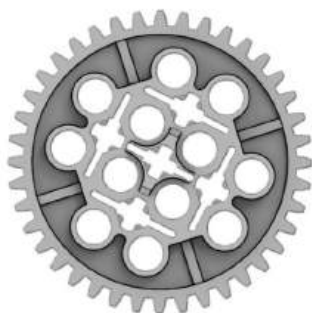


Pin scurt -galben x 2

Notă: "C" înseamnă „cruce”.

de ex. „1CX4HL-grinda are o cruce și patru găuri.

TRANSFER



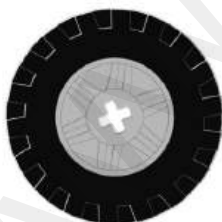
Pinion-40T x 1

Pinion-8T
x 2Cutie de
viteze cu melc - mare
x 1

CONECTOR

Pin 3Hx4
Conector
x 2Umplere axă - mare
x 14Umplere axului - mic
x 6

ROȚI



bicicleta x 4

11. 10. 9. 8. 7. 6. 5. 4. 3. 2. 1.
Deschidere Deschidere Deschidere Deschidere Deschidere Deschidere Deschidere Deschidere Deschidere Deschidere Deschidere



III fascicul

Remediu



(2)



(1)



IV (1)



VI (1)



VI (2)



VI (1)



(2)

1:1



3H

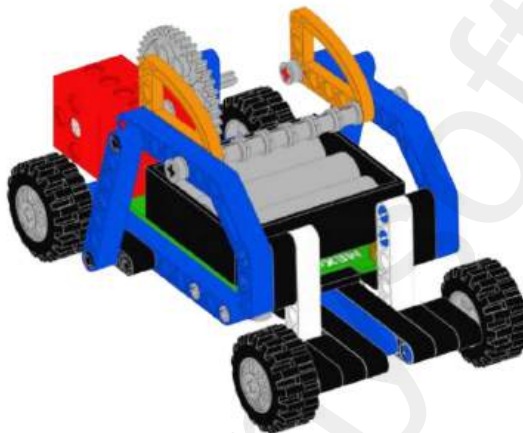
(2)

planul

Notă: „H” în numele osiei înseamnă grindă, înălțimea sa este egală, de exemplu, cu - 5H Axa este egală cu înălțimea grinzii 5H.

Proiect: MEX mobil

Să construim!



Lucruri de care avem nevoie



fascicul 11H
x2



7H
fascicul
x3



fascicul 9H
x2



fascicul 5H
x2



7H
fascicul în L
x2



fascicul 3H
x10



2Cx10H
Dubla
îndoire
fascicul
x2



3Cx4H
Subțire-D
x2



Angrenaj drept
40T x 1



Angrenaj drept
roata-8T
x 1



3Hx4Pin
Conector
x2



Umplere
axe-mari
x10



Sfat de asamblare



Știfturile lungi albastre au două fețe diferite!
O parte poate intra în două fascicule în același timp, în
timp ce o parte poate intra doar într-una.
Fiți atenți la ce parte trebuie introdusă în fiecare pas .

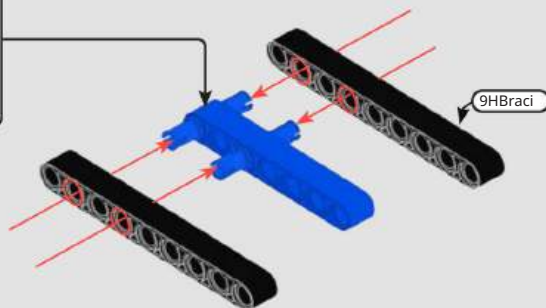
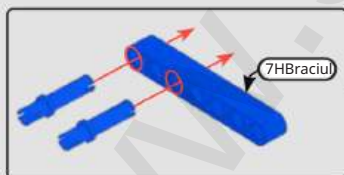


1

1:1



Pin lung-albastru

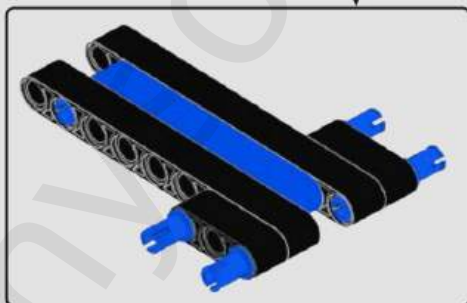
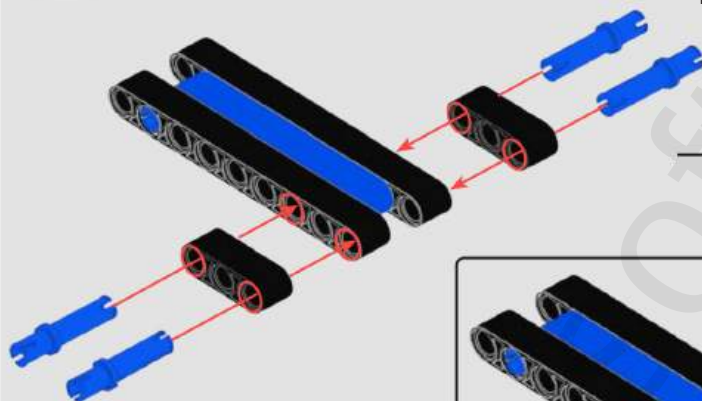


2

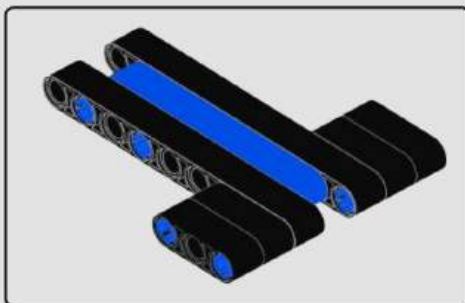
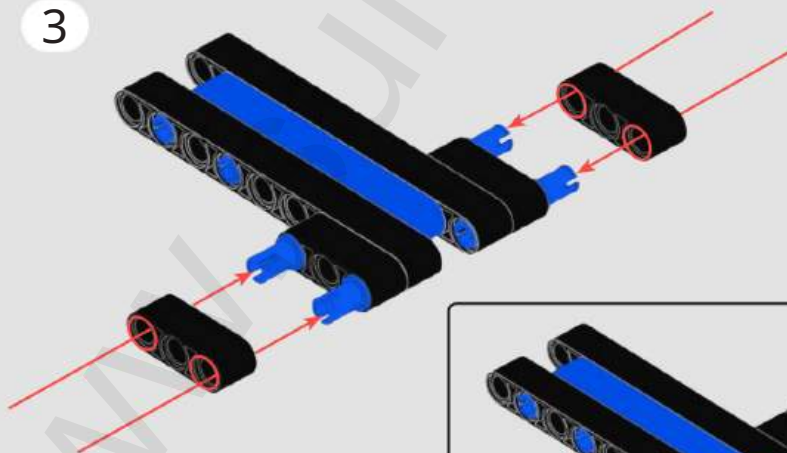
1:1



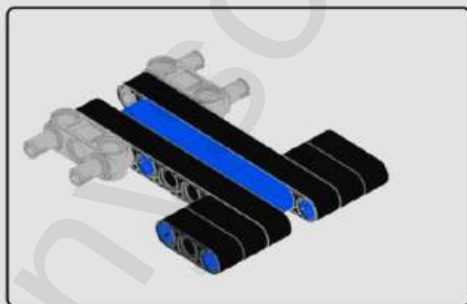
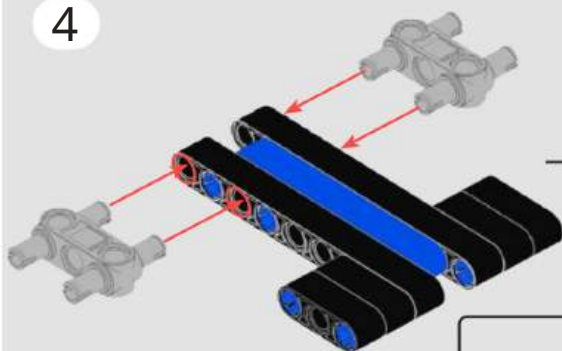
Pin lung albastru



3



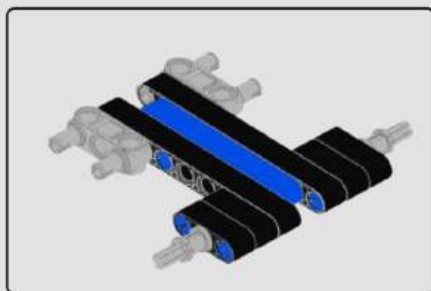
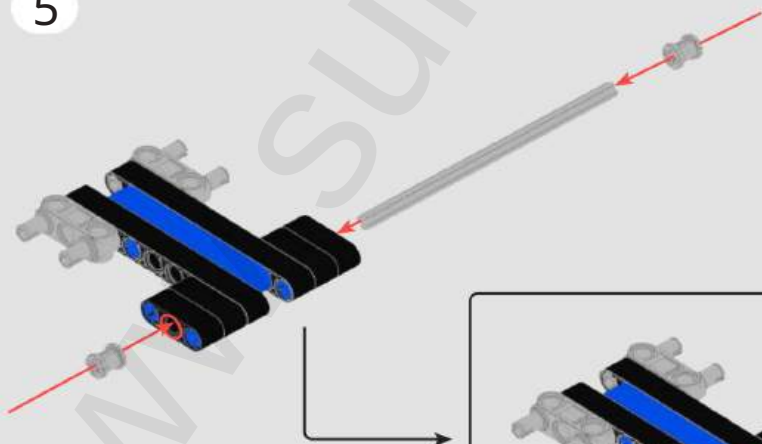
4



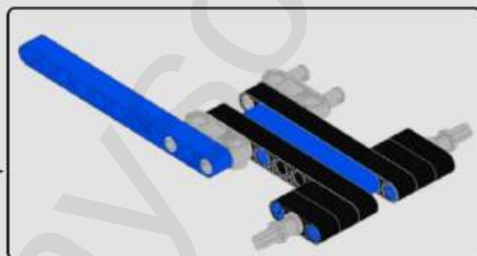
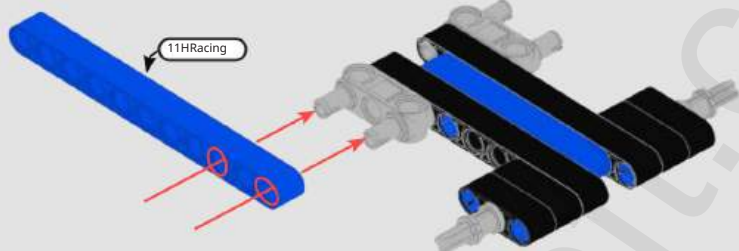
1:1

Axa 11H

5



6



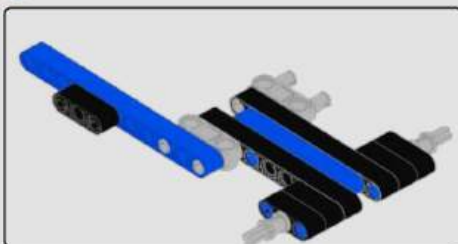
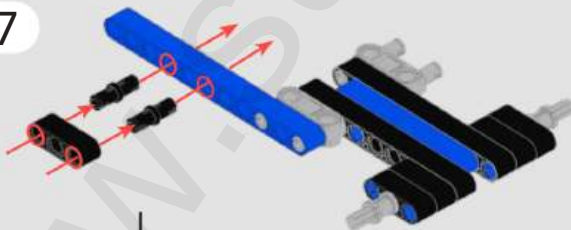
Sfat de asamblare



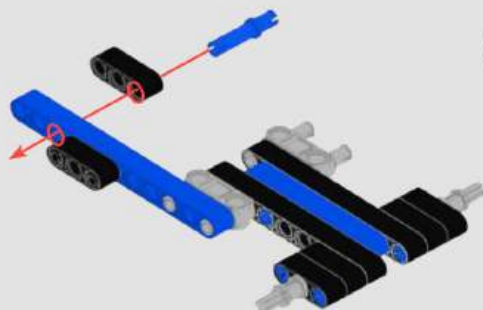
Știfturile negre din mijloc pot fi puțin dificil de introdus!
Dar nu-ți face griji. Împingeți -le și asigurați-vă că conexiunea
este strânsă. Folosește puțină forță. :)



7



8



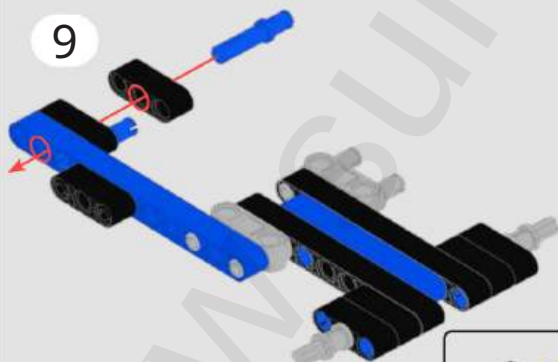
1:1



Pin lung-albastru



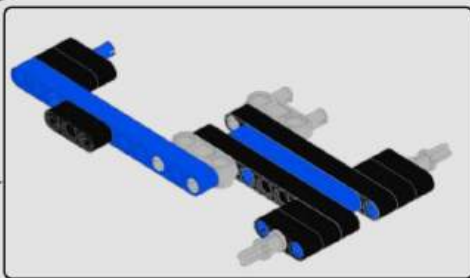
9



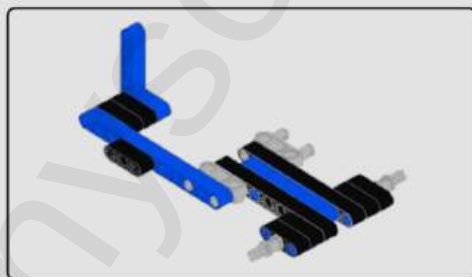
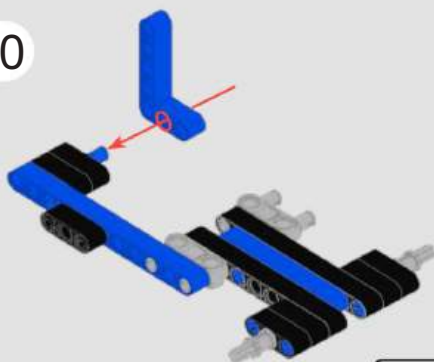
1:1



Pin lung-albastru



10

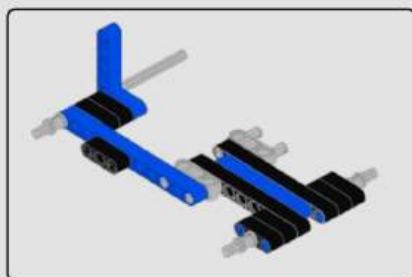
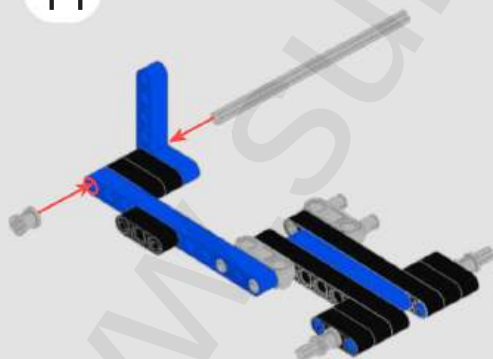


11

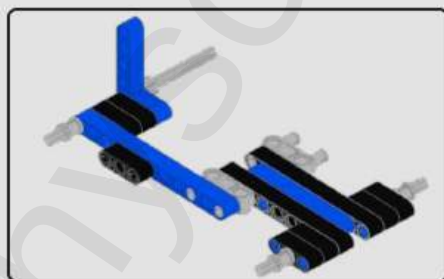
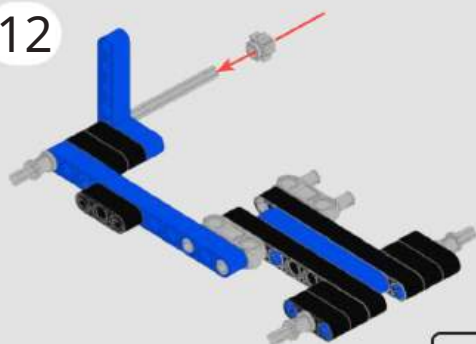
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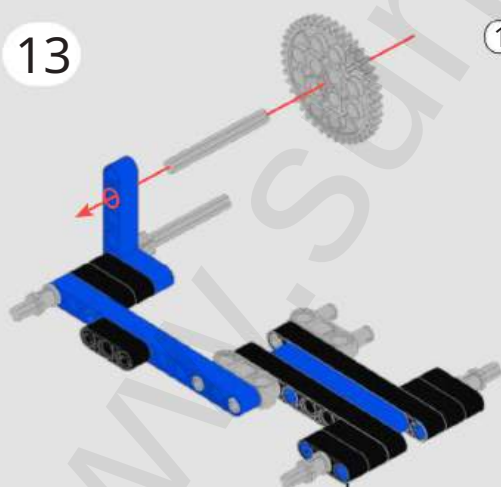
11H Remedi



12



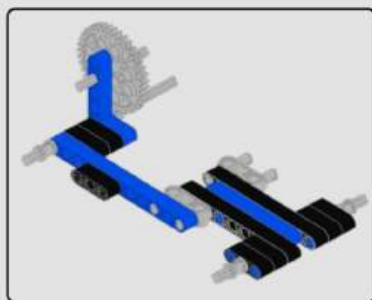
13

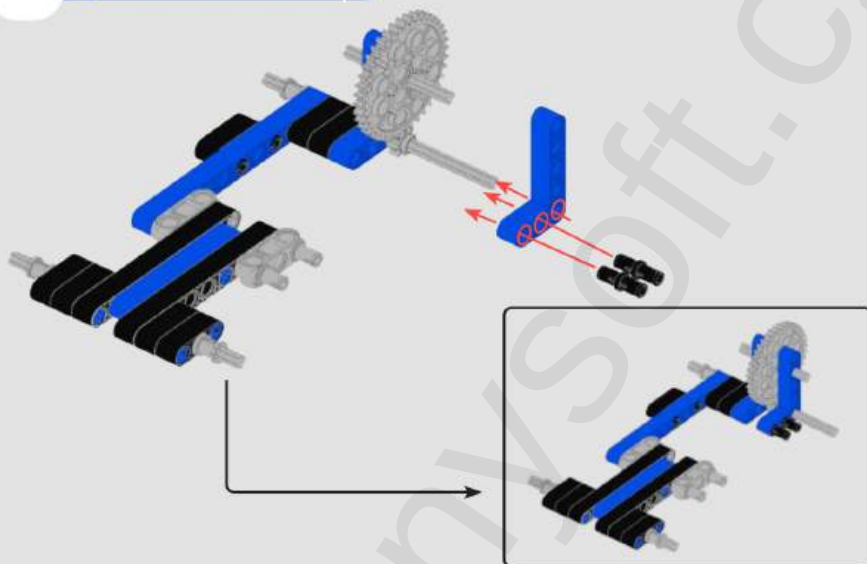


1:1

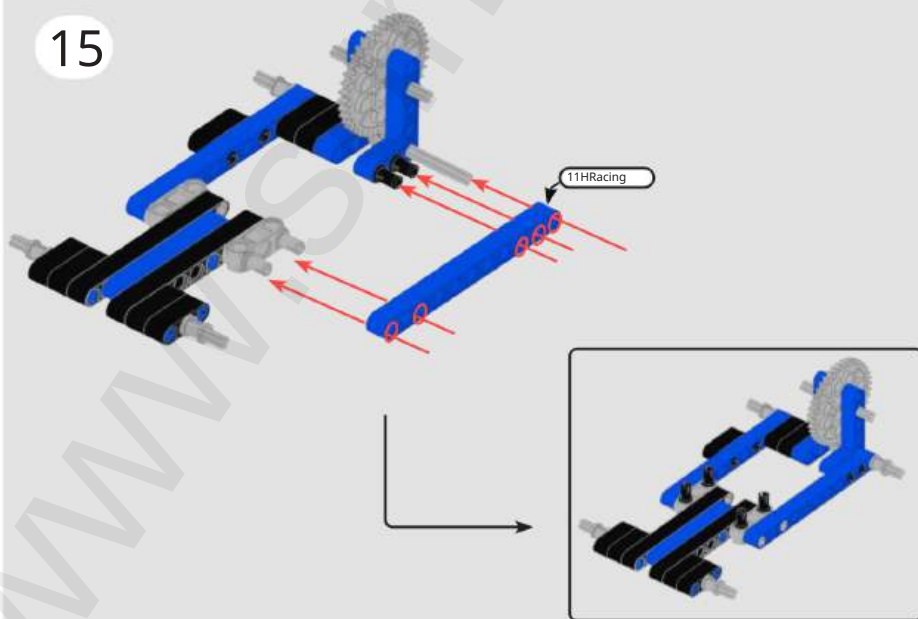


5H Remedium

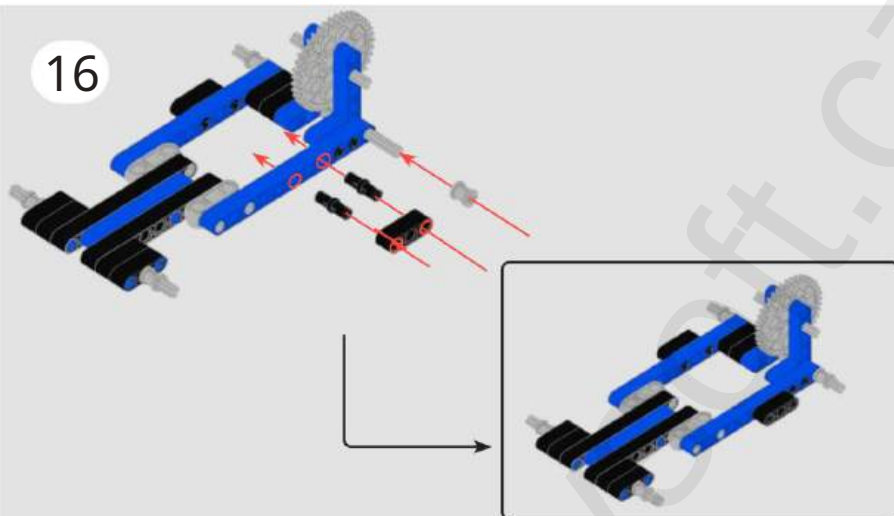


14 dere frontală sus dreapta

15



16



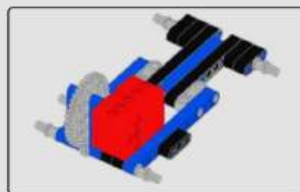
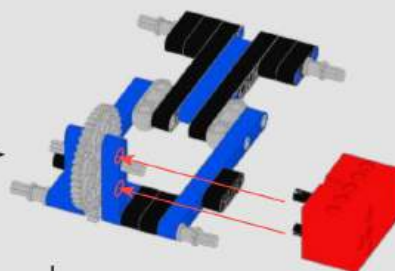
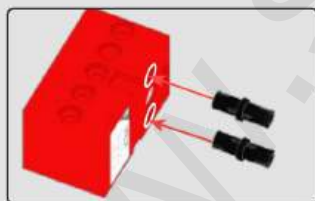
Tastați pentru a asambla

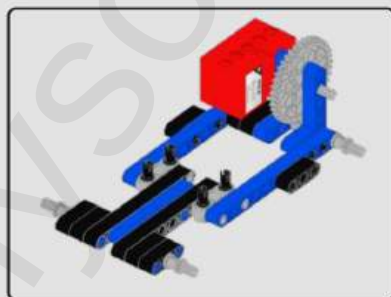
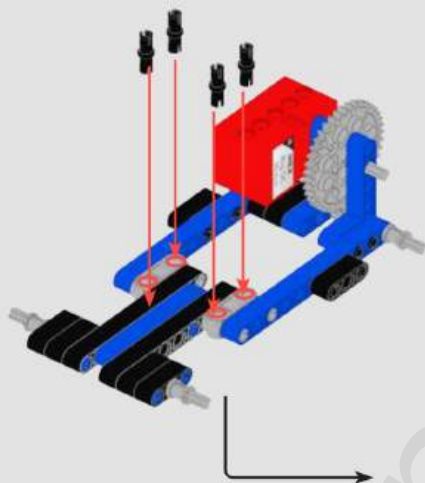


Știfturile medii negre pot fi introduse doar pe o parte a motorului! Știfturile negre pot fi introduse doar pe partea laterală a motorului cu autocolantul alb. Pe de altă parte, cu un marker - pot fi folosiți doar ace mici galbeni.

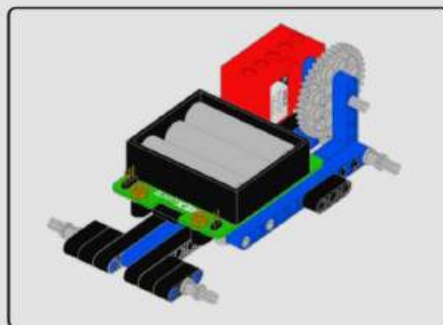
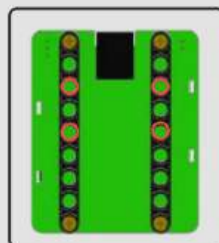
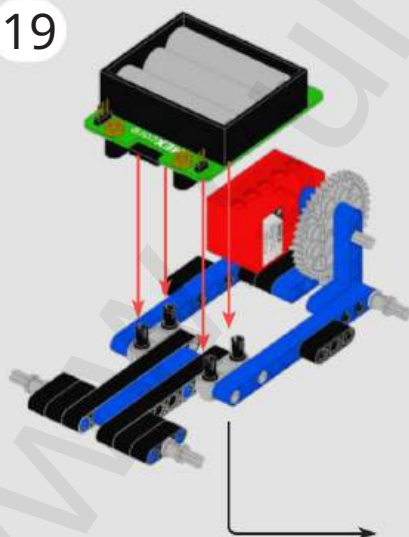


17 Vedere sus stânga spate

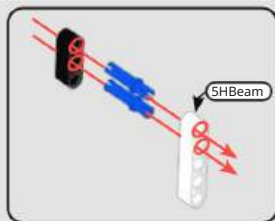


18 dere frontală sus dreapta

19



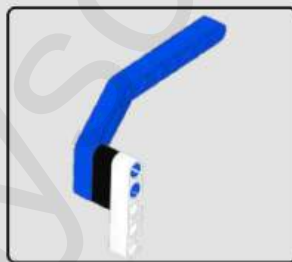
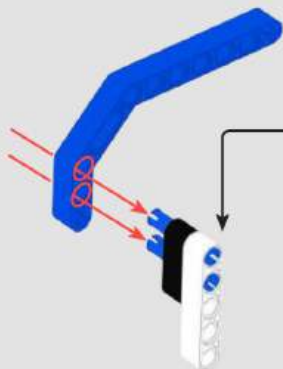
19



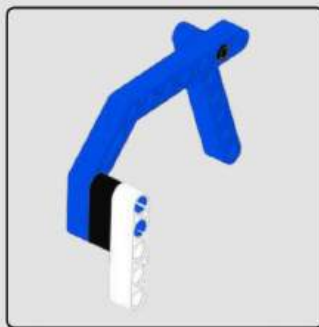
1:1



Pin lung albastru



20

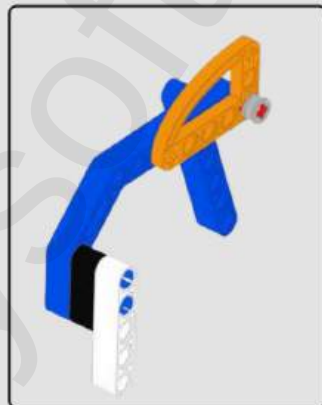
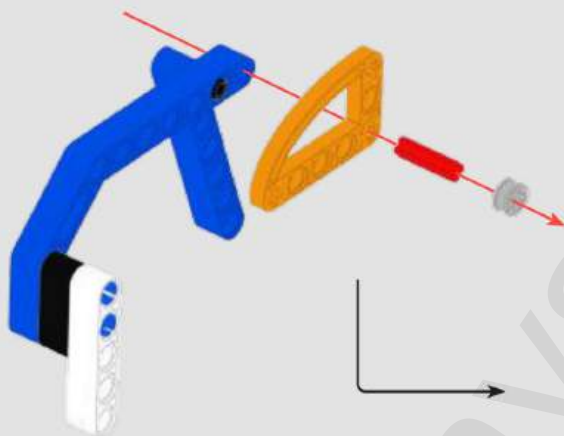


21

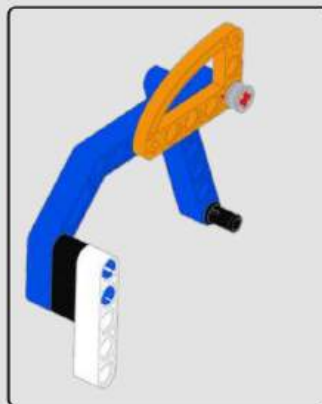
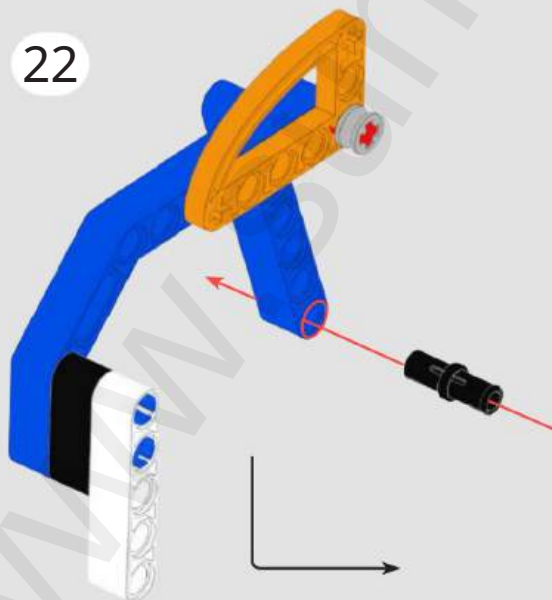
1:1



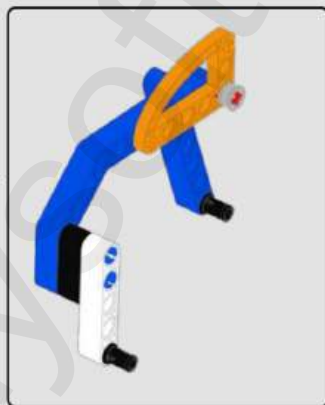
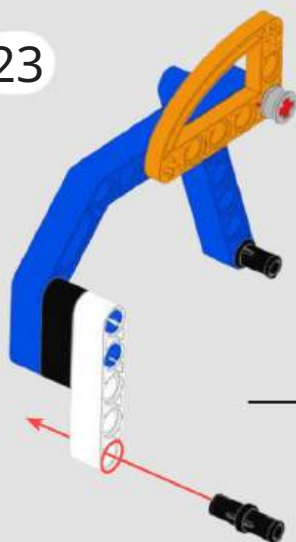
2H Remediū



22



23



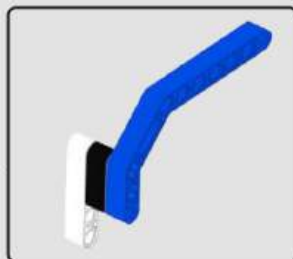
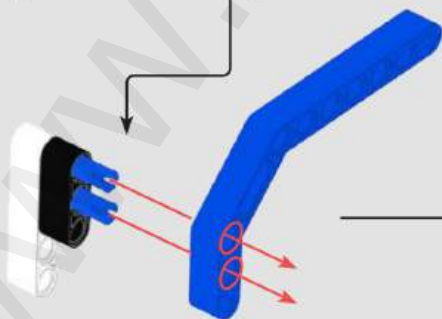
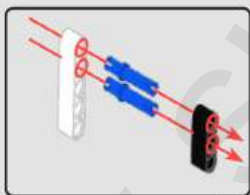
Să facem partea cu oglindă.

24

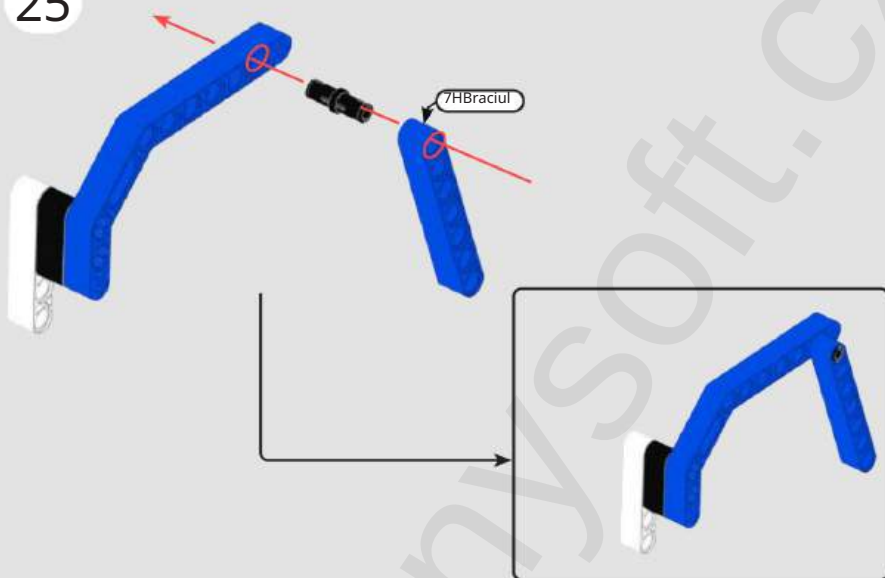
1:1



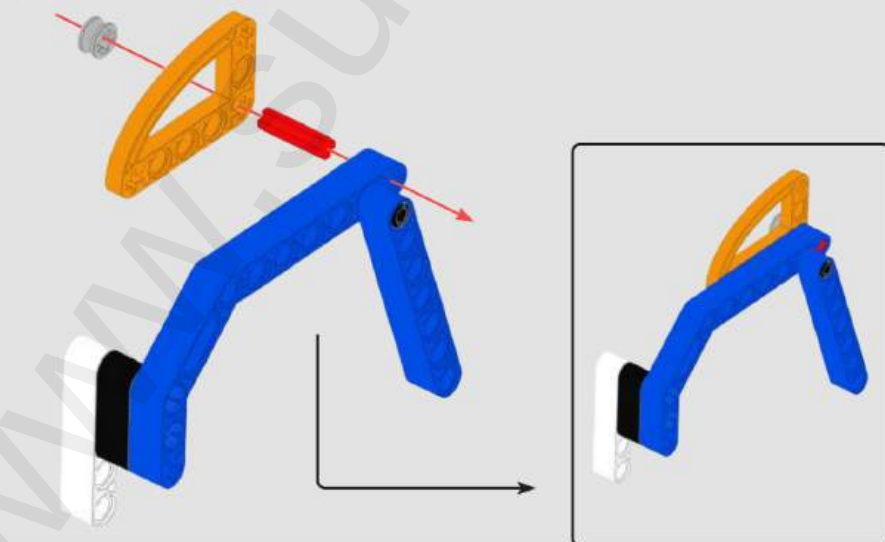
Pin lung albastru



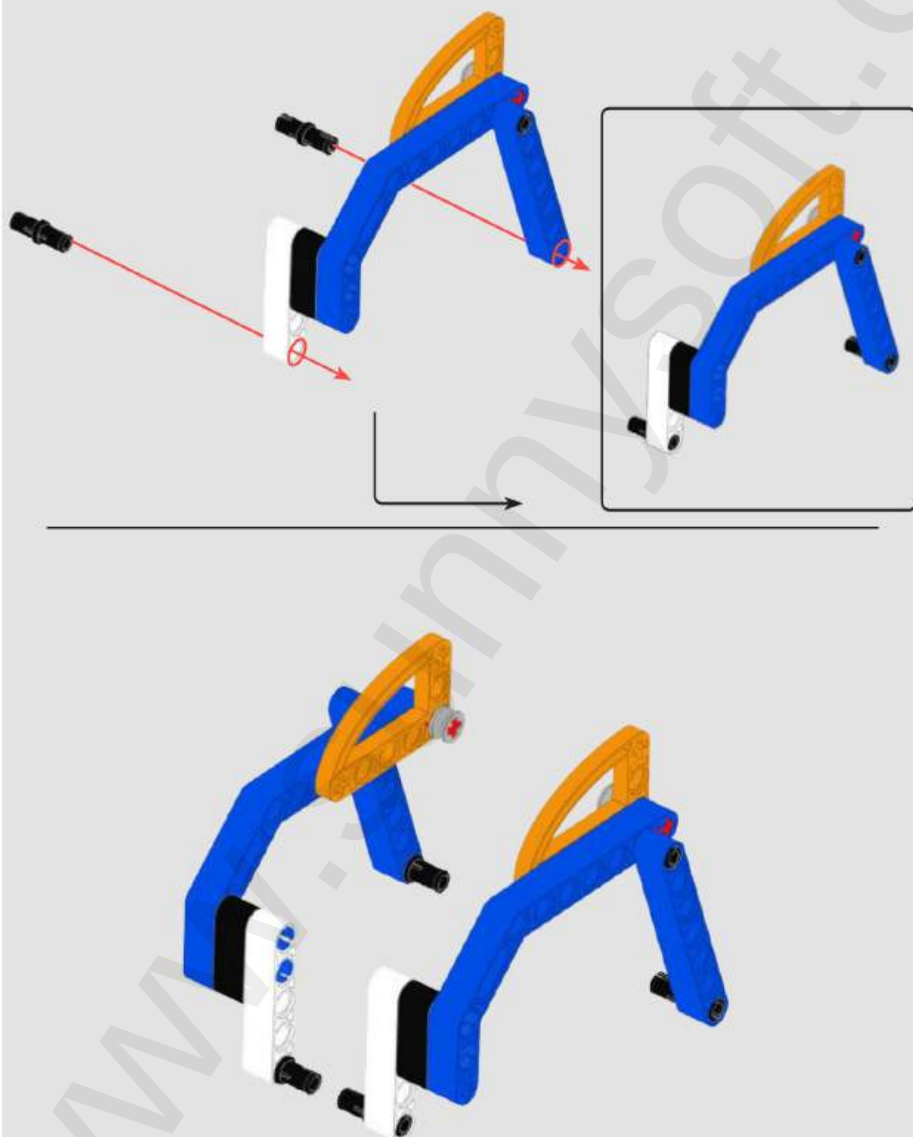
25



26



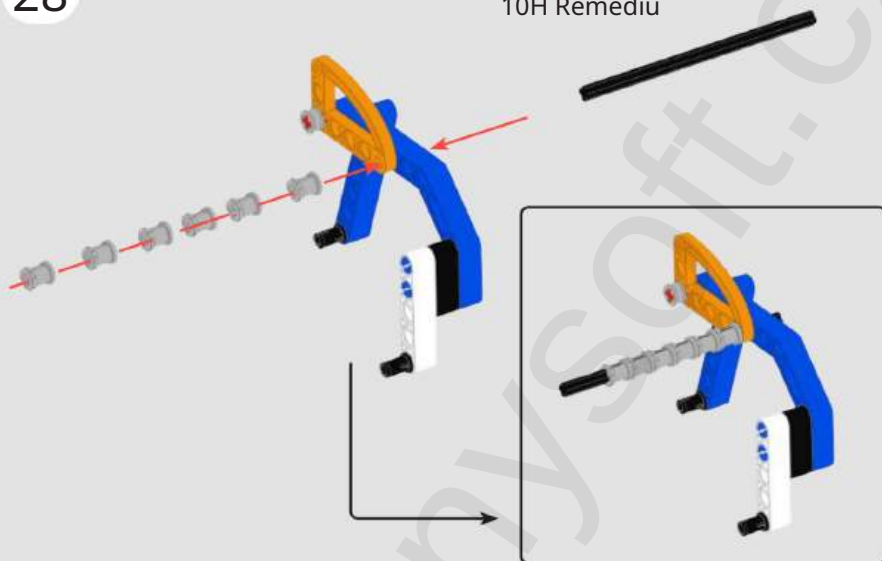
27



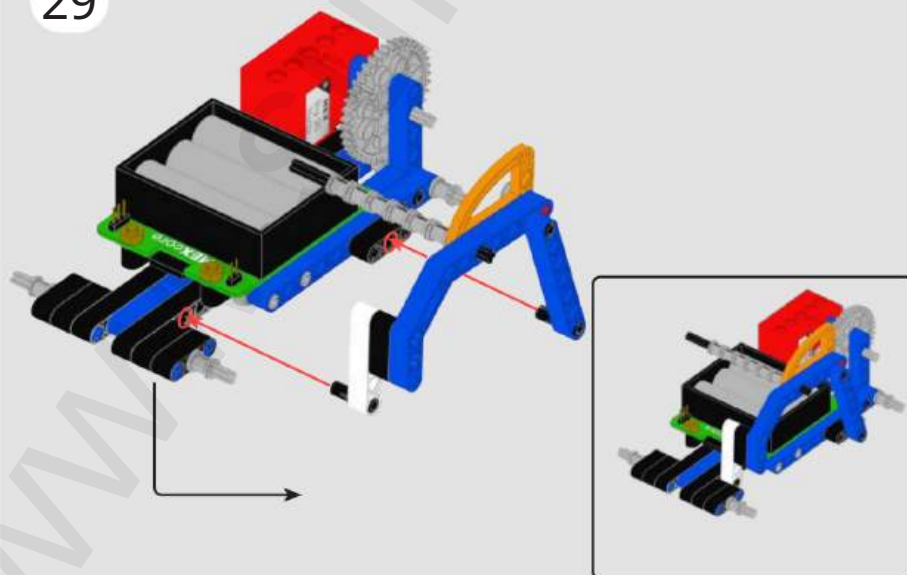
28

1:1

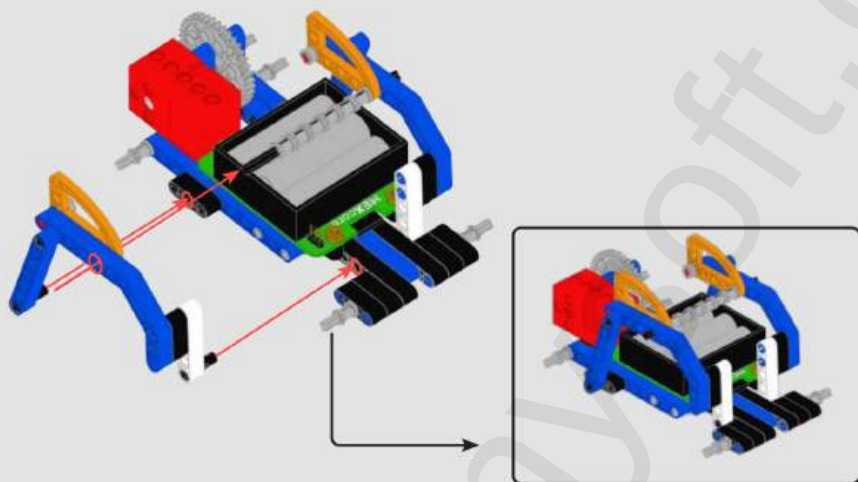
10H Remediu



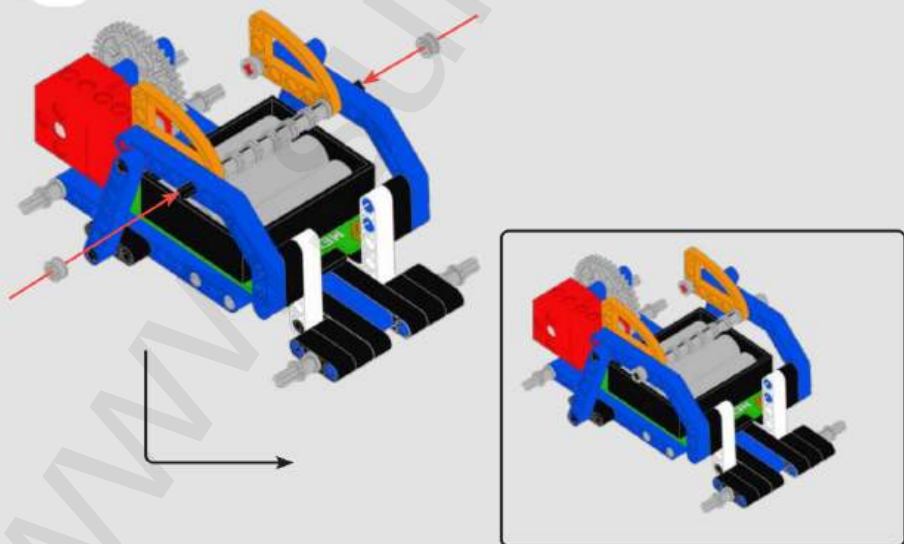
29



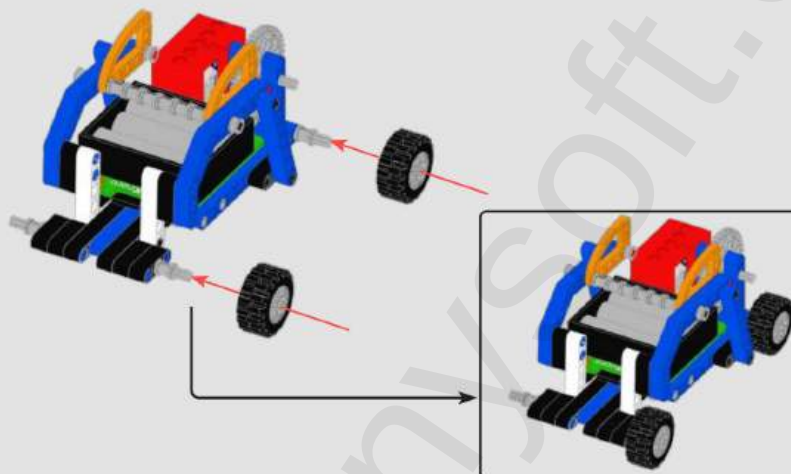
30



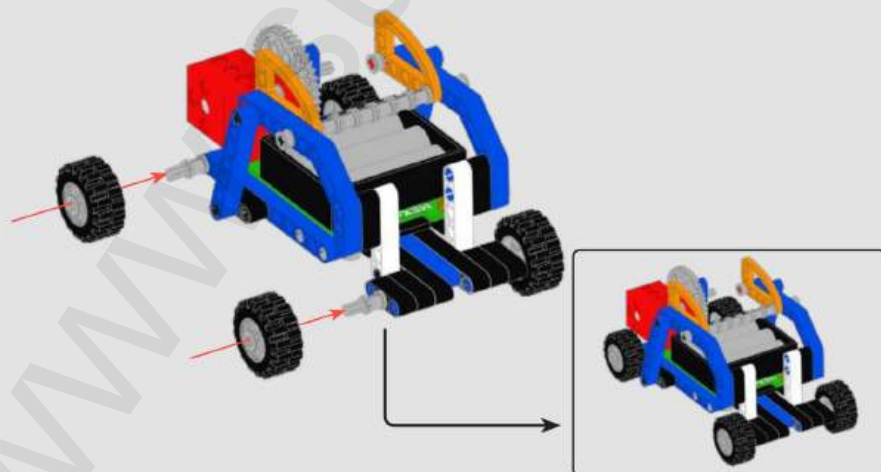
31



32



33



Felicitări pentru finalizare a acestui proiect!

Îți place să te joci cu el folosind aplicația mobilă avishkaar?

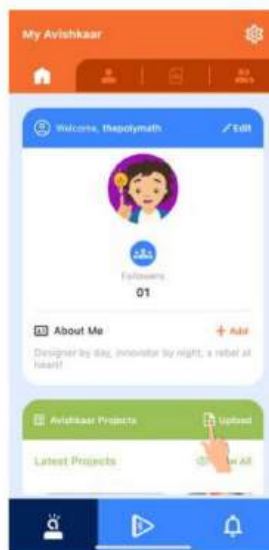
Accesați pagina 8 pentru instrucțiuni detaliate despre cum să descărcați aplicația și să controlați robotul cu ea.



Împărtășește-ți creația lumii și câștigă o insignă „Scratch the Surface” de nivel 1

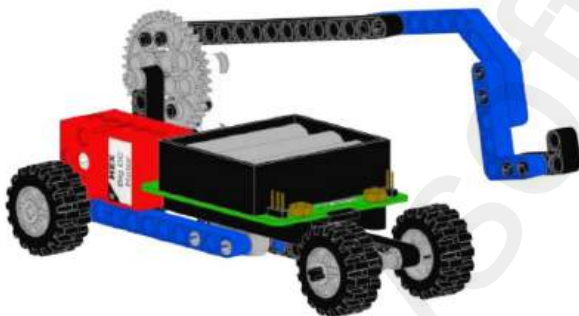
Încărcați fotografiile sau videoclipuri ale proiectului dvs. folosind secțiunea de proiecte a aplicației Avishkaar și câștigați o insignă la nivel „Scratch the Surface”

1. Vedeți toate colecțiile dvs insigne în secțiunea de realizări a profilului dvs. de pe www.avishkaar.cc. Explorați toate celelalte insigne pe care doriți să le colectați și câștigați-le pe toate!



Proiectul 2: Macara

Să construim!



Lucruri de care avem nevoie



15 ore
fascicul
x 1



11H
fascicul
x2



9H
fascicul
x2



Fascicul 5H
x 1



3H
fascicul
x6



5H
T-Beam
x2



2Cx10H
Dubla
îndoire
fascicul
x 1



7H L-Beam
x 1



1Cx4H
Fascicul L
x 1



Frontal
roata din ată
40T x 1



Angrenaj drept
roata stea-8T
x 1



3Hx4Pin
Conector
x2



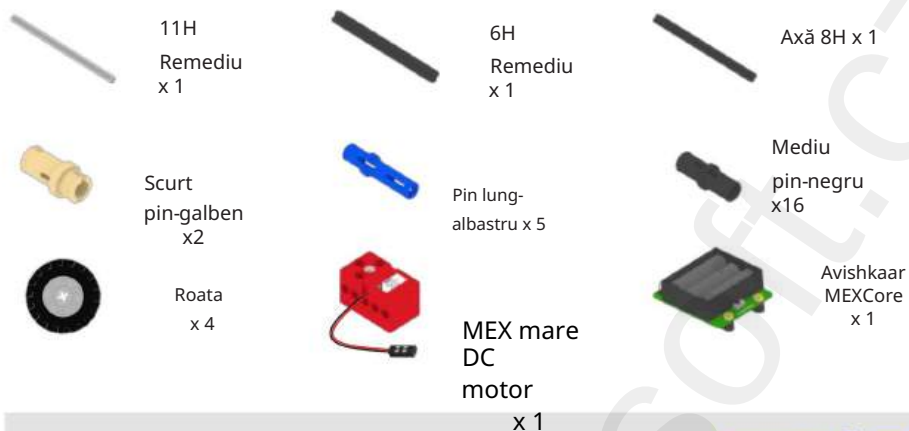
Umplere
axe-mari
x5



Umplere
axe - mici
x3



5H
Remediu
x 1

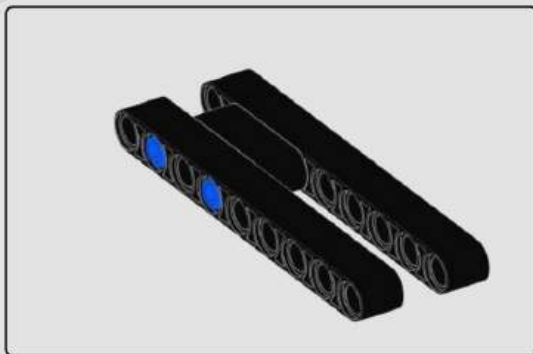
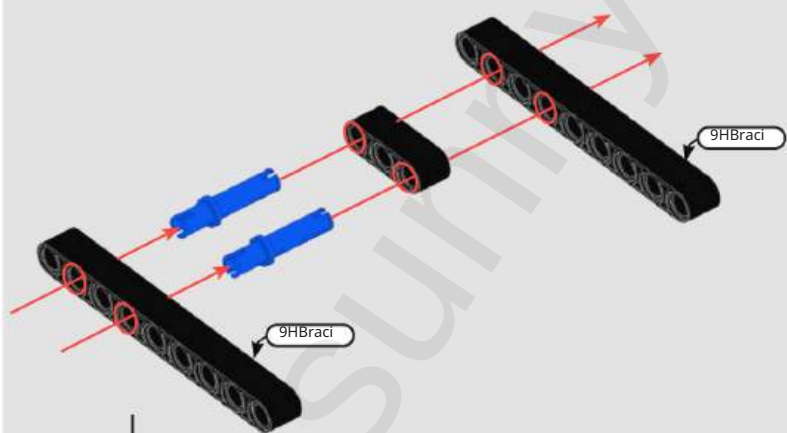


1

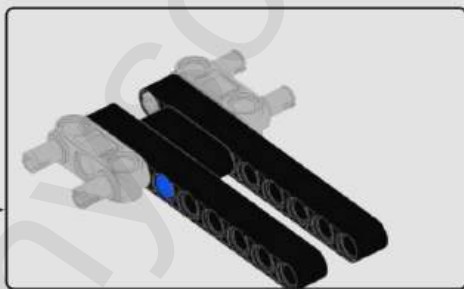
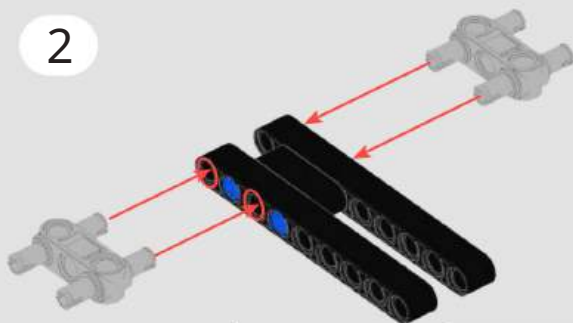
1:1



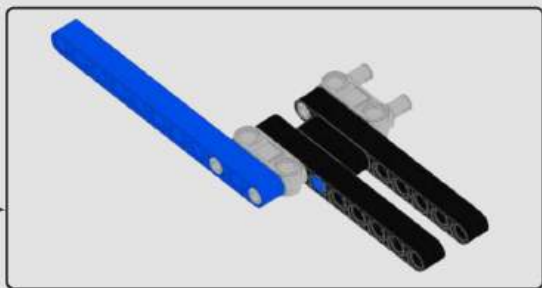
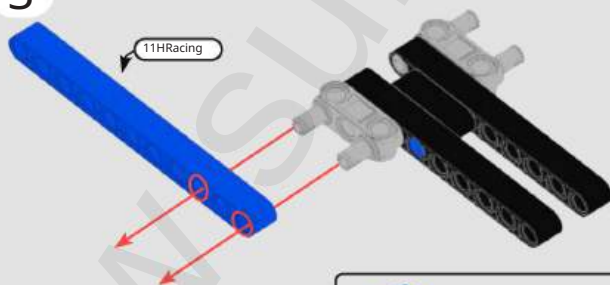
Pin lung-albastru



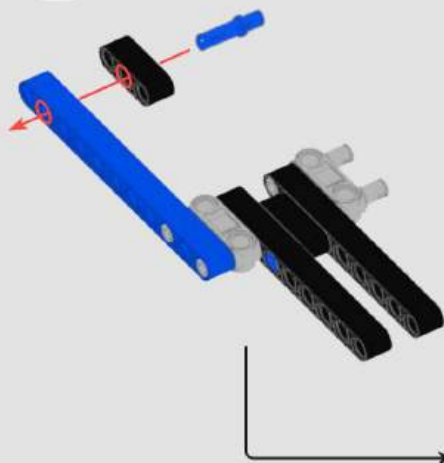
2



3



4



1:1



Pin lung-albastru



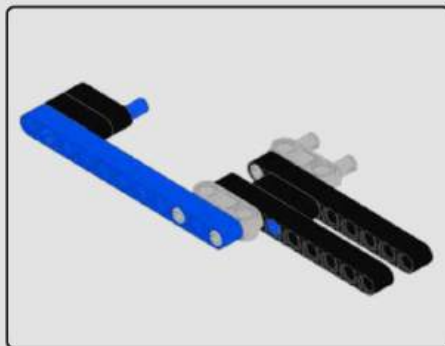
5



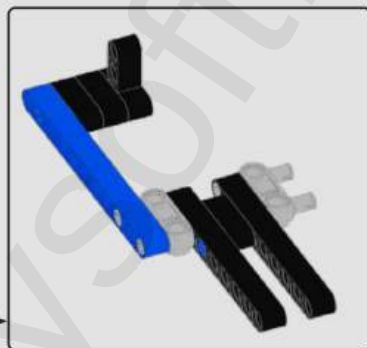
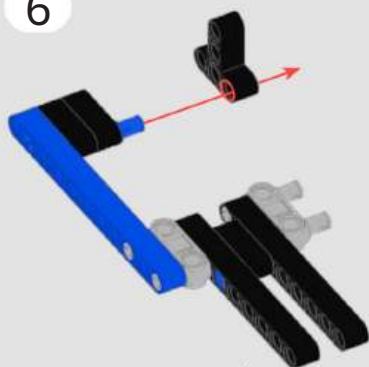
1:1



Pin lung-albastru



6



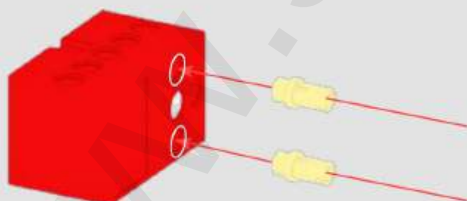
Sfat de asamblare



Știfturile scurte galbene pot fi puțin subțiri. Aveți grijă când le utilizați. Se sparg ușor. Și de asemenea pot fi dificil de îndepărtat – cereți un părinte sau un adult să vă ajute să le eliminați în siguranță îndepărtat.



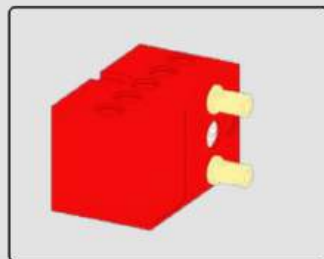
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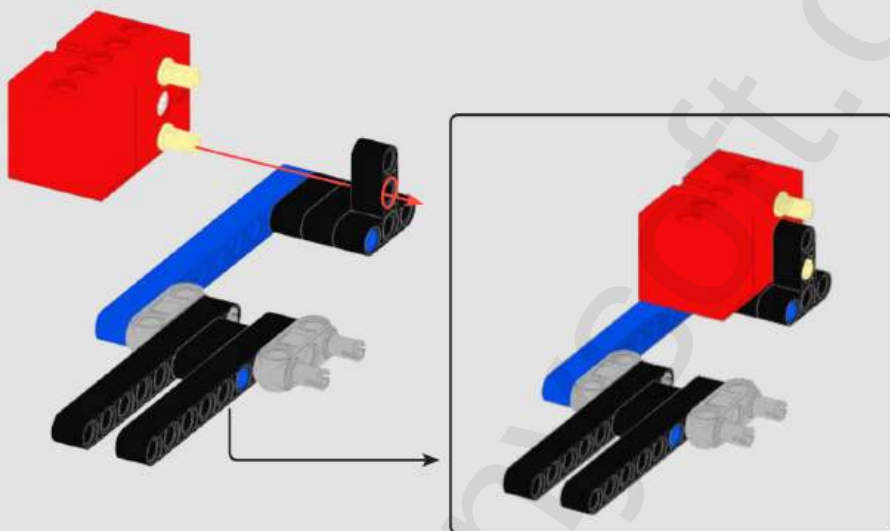
1:1



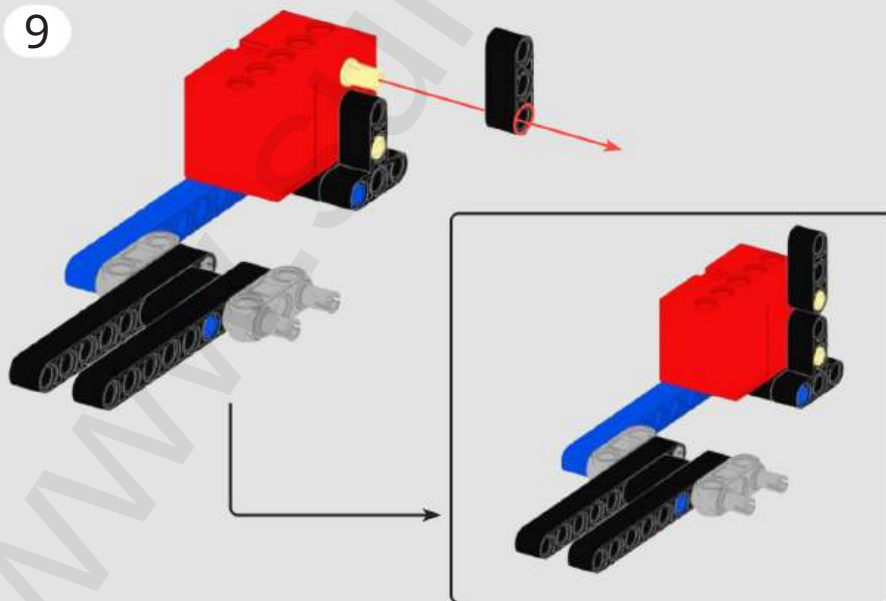
Pin scurt galben



8



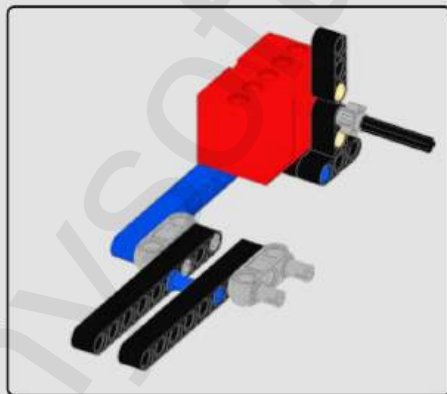
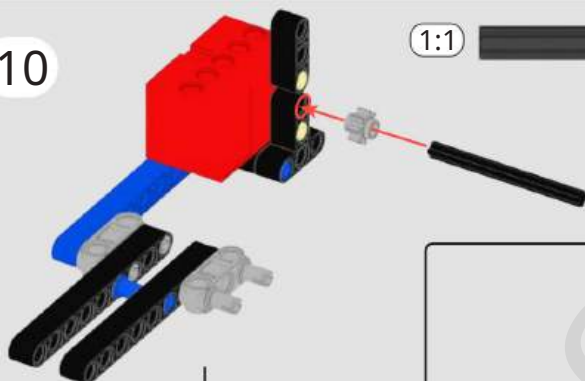
9



10

1:1

6H Remediu

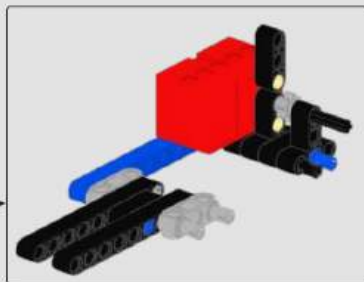
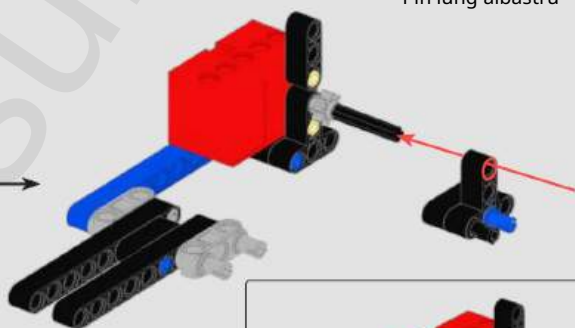
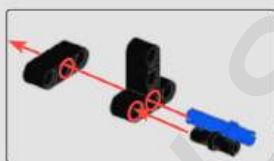


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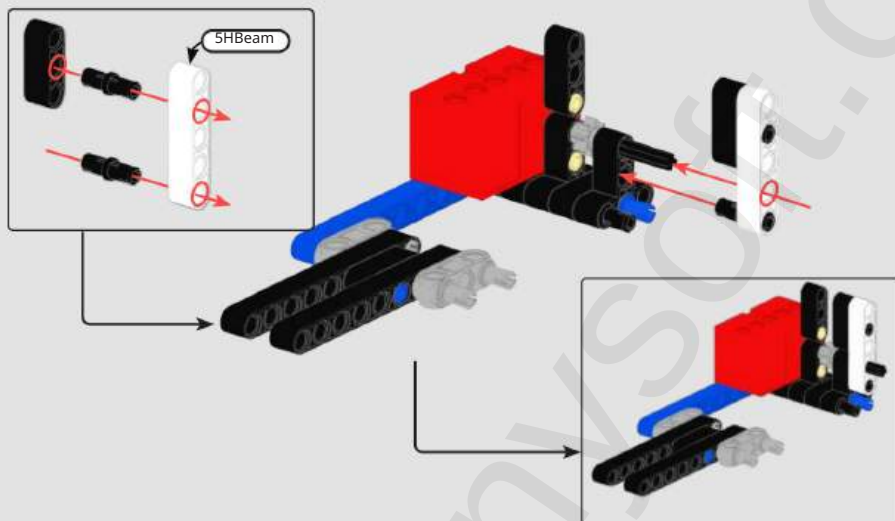
1:1



Pin lung-albastru



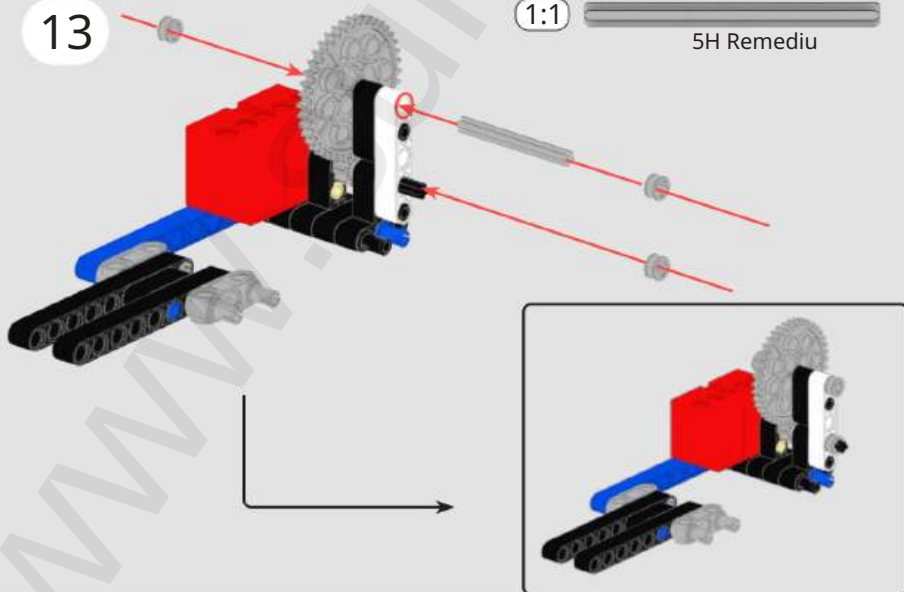
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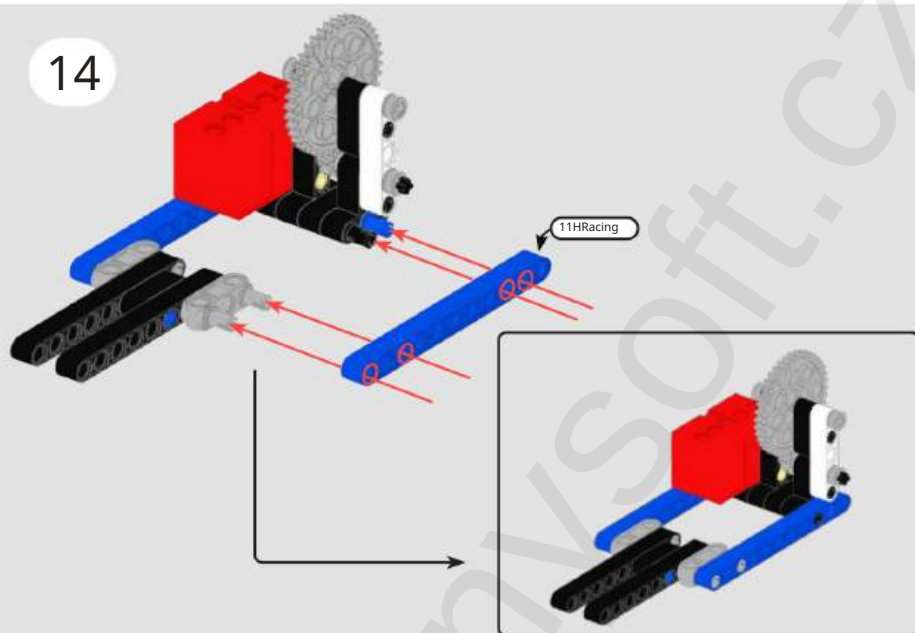
13

1:1

5H Remedi



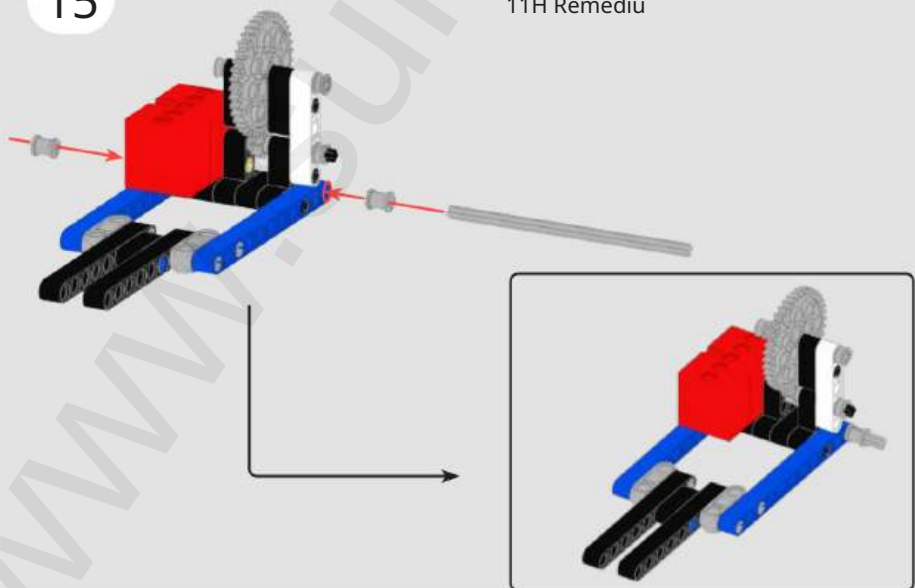
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15

1:1

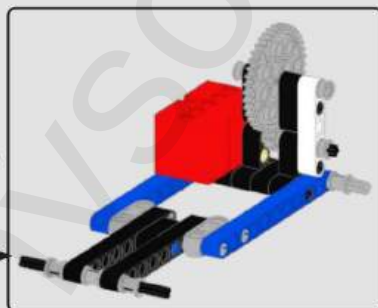
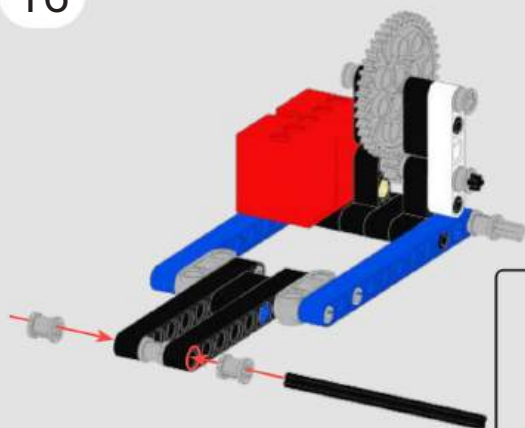
11H Remediu



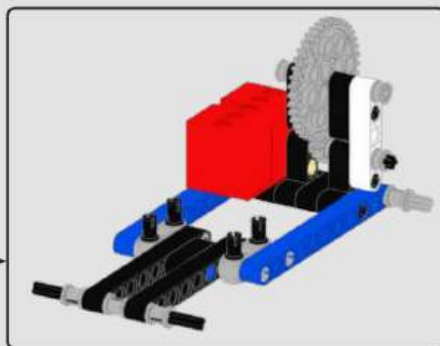
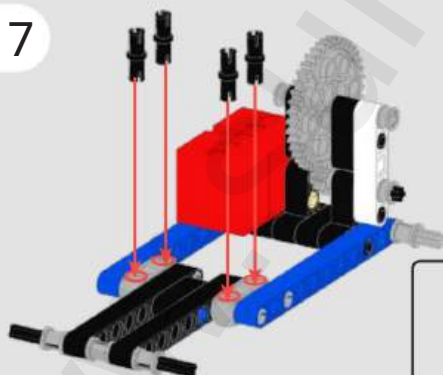
16

1:1

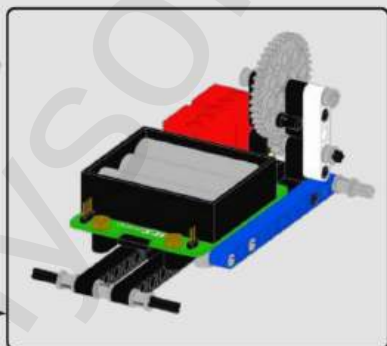
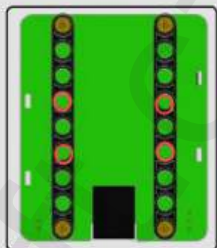
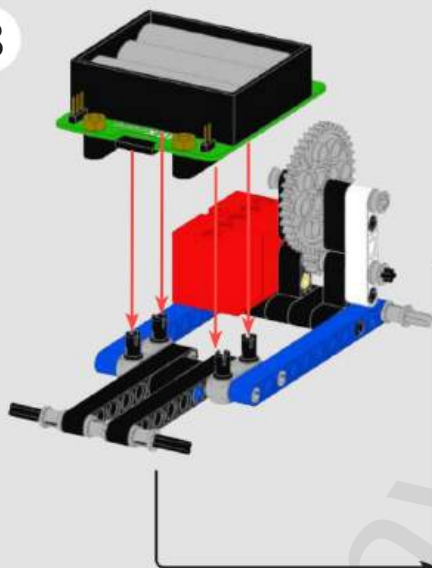
8H Remedi



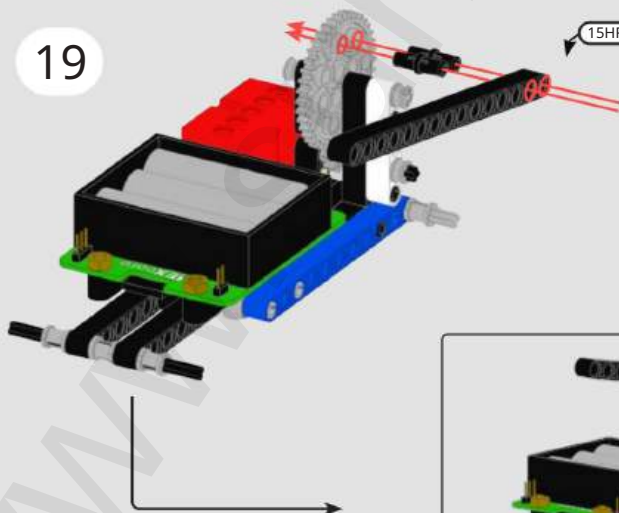
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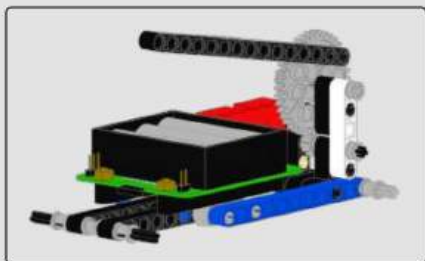
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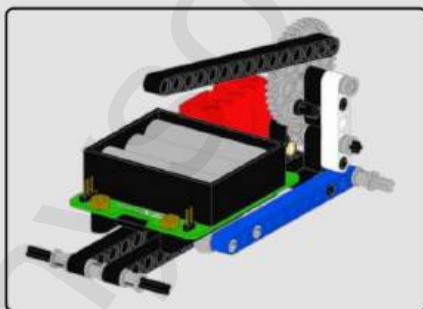
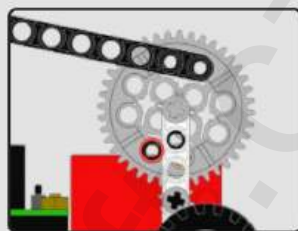
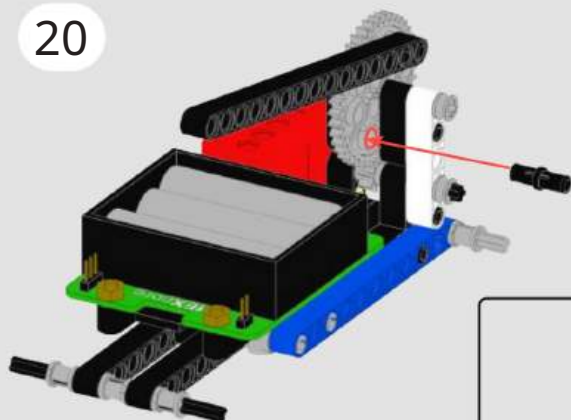
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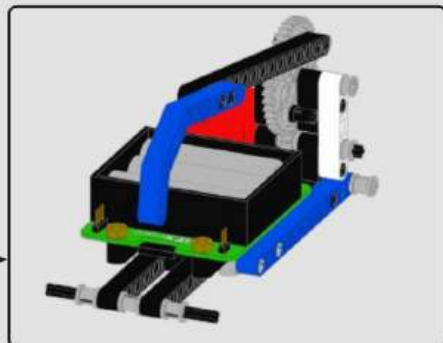
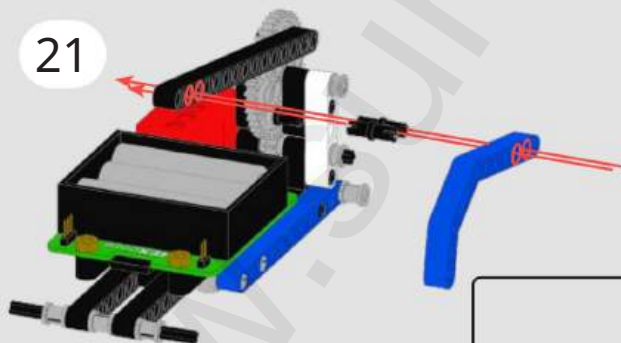
15HRaz



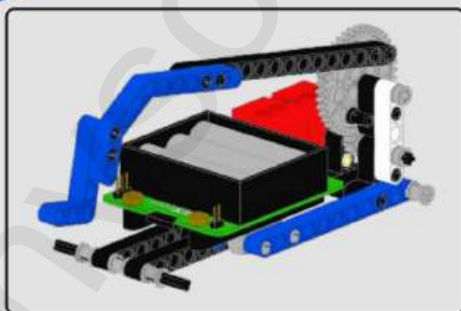
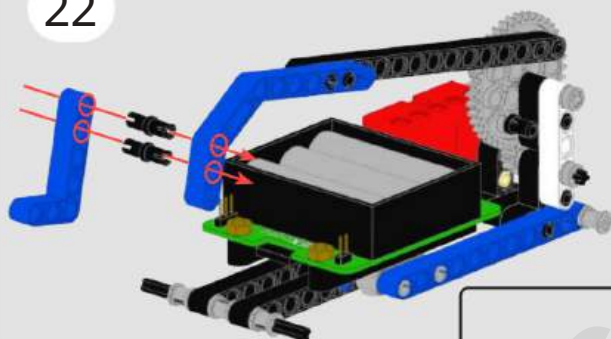
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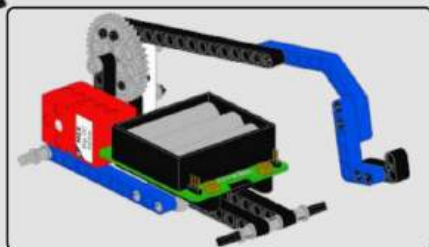
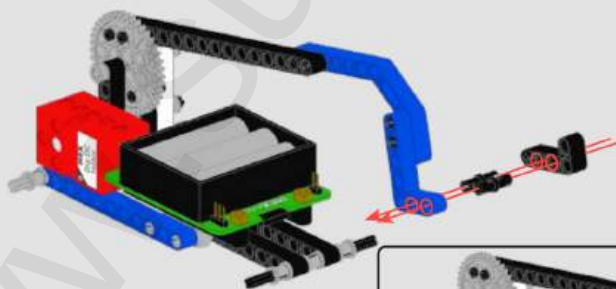
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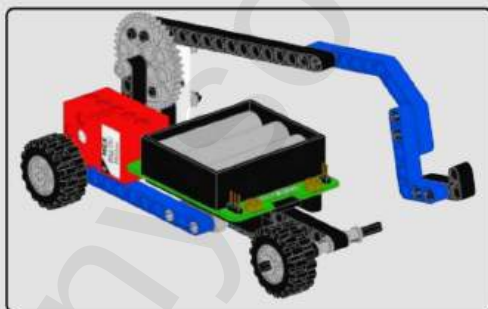
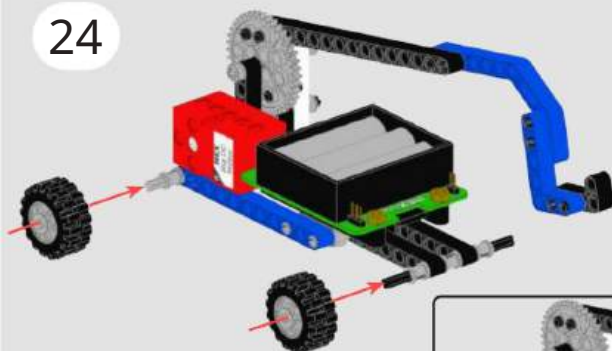
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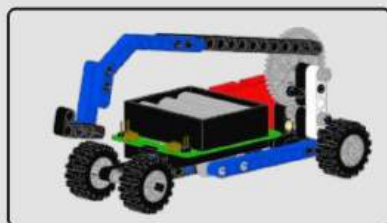
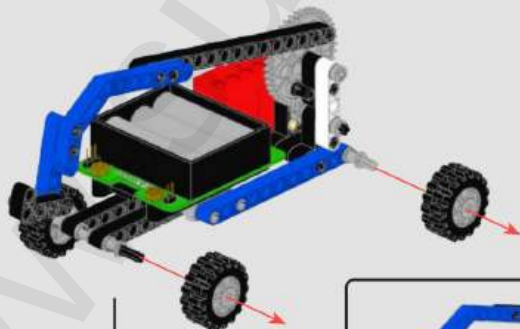
23



24



25



Felicitări pentru finalizare a acestui proiect!

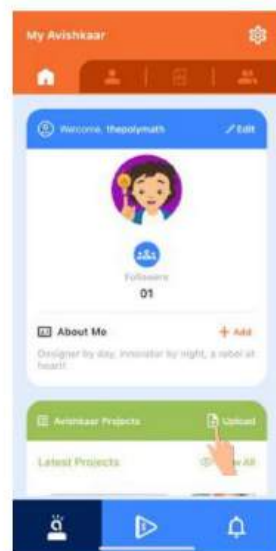
Îți place să te joci cu el folosind aplicația mobilă avishkaar?
Accesați pagina 8 pentru instrucțiuni detaliate despre cum să descărcați aplicația și să controlați robotul cu ea.



Împărtășește-ți creația cu întreaga lume și câștigă o insignă de nivel 2 „Scratch the Surface”.

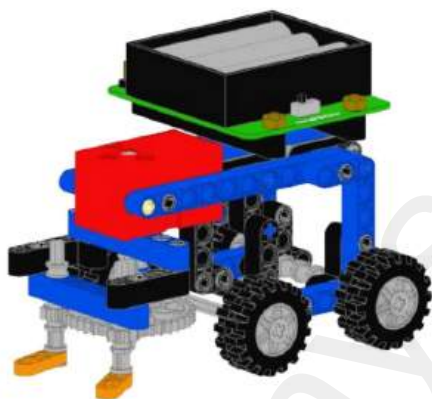
Încărcați fotografii sau videoclipuri ale proiectului dvs. folosind secțiunea de proiect a aplicației Avishkaar pentru a câștiga insigna „Scratch the Surface” de nivel 2.

Vedeți toate colecțiile dvs. insigne în secțiunea de realizări a profilului dvs. de pe www.avishkaar.cc. Explorați toate celelalte insigne pe care doriți să le colectați și câștigați-le pe toate!



Proiectul 3: Plug de zapada

Să construim!



Lucruri de care avem nevoie



11H
fascicul
x2



7H
fascicul
x4



3H
fascicul
x2



7H L-Beam
x2



5HT
fascicul
x4



1Cx4H
Fascicul L
x4



2Cx1H
Fascicul subțire
x2



Frontal
roata din ată
40T x 1



Angrenaj drept
roată-8T x 2



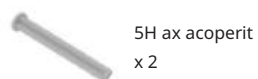
Pin 3Hx4
Conector
x2



Umplere
axe-mari
x11



Umplere
axe - mici
x3



5H ax acoperit
x 2



11H
Remediu
x 2



Axă 6H x 1



Scurt
Pin-galben
x 2



Pin lung-
albastru x 5



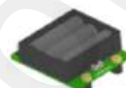
Mediu
Pin
negru
x 20



Axul central
al axei - albastru x
2



Roata x 4



Avishkaar
MEXCore
x 1



MEX mare

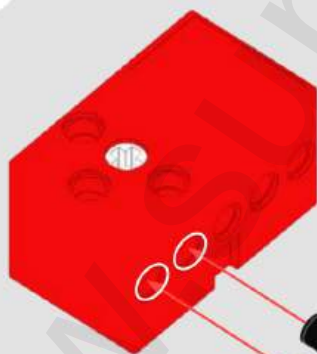
Motor
DC x 1

1

1:1



Pin scurt galben

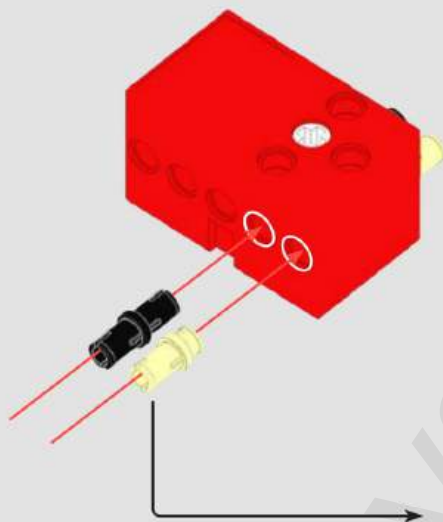


2

1:1

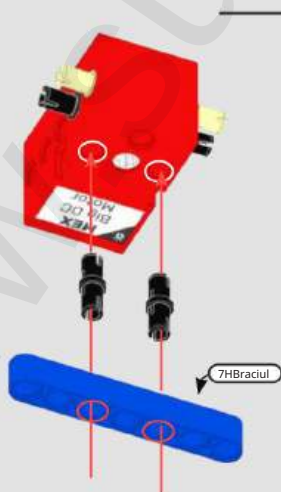


Pin scurt galben



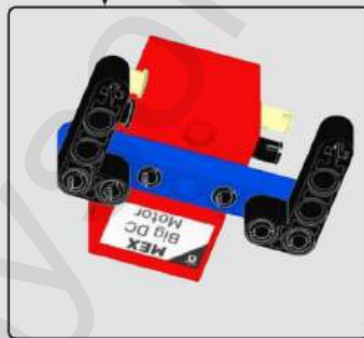
3

Vedere frontală jos dreapta

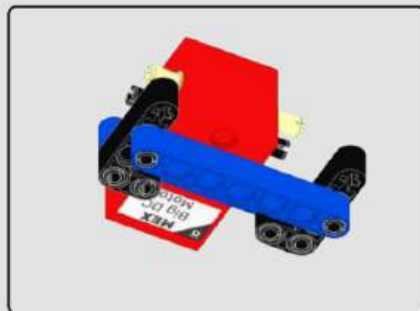
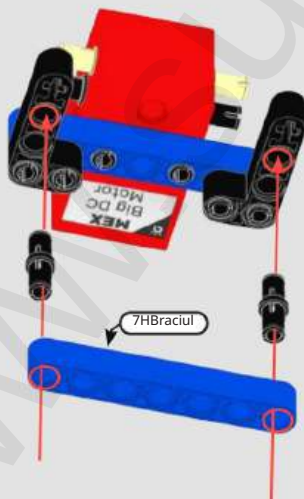


7HBraciul

4



5



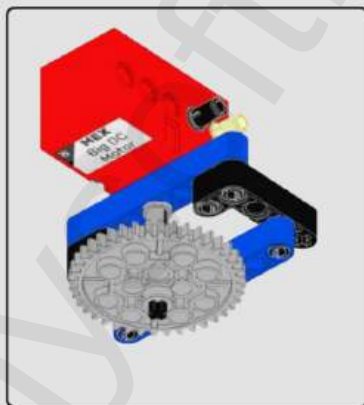
6



Vedere din spate jos stânga

1:1

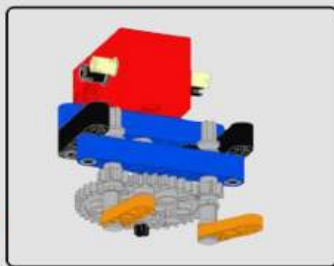
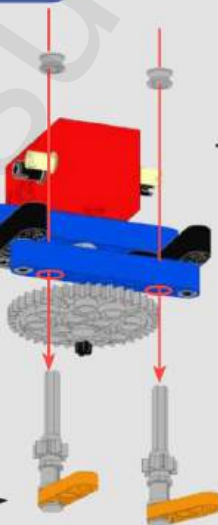
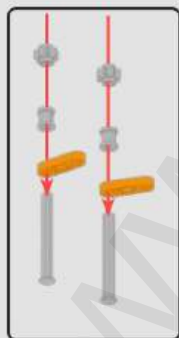
6H Remediu



7



Vedere frontală jos stânga

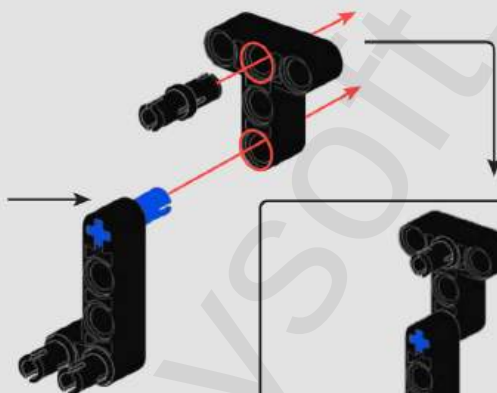
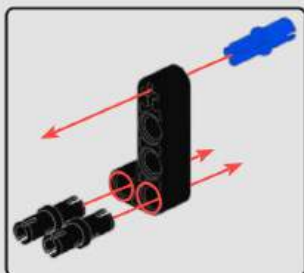


8

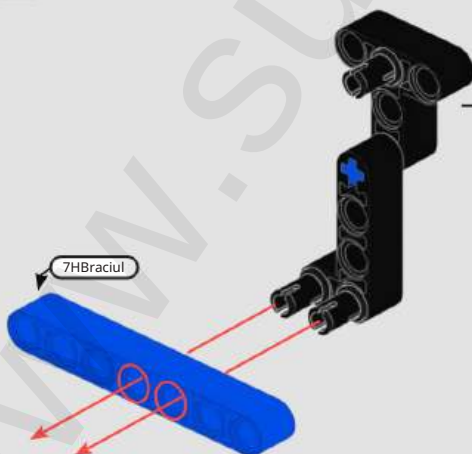
1:1



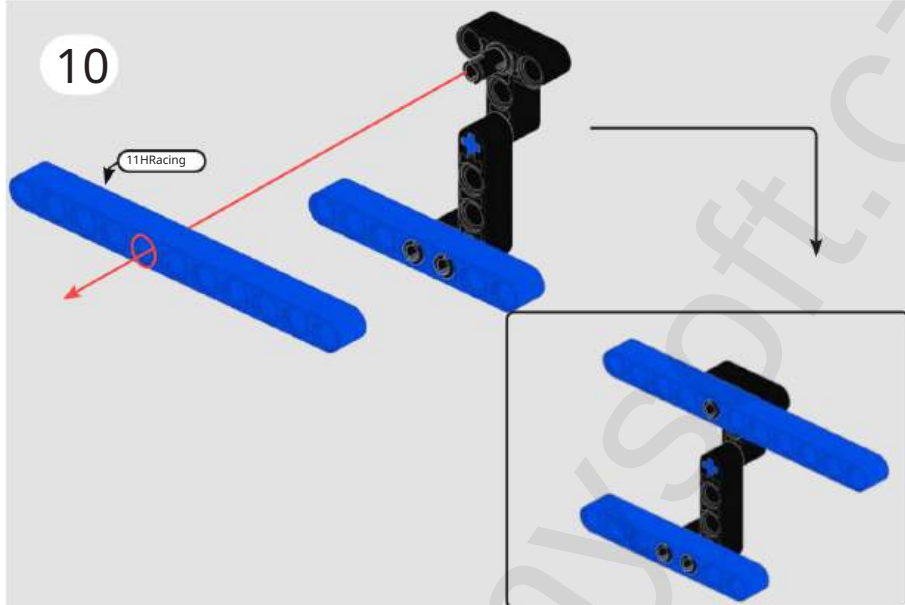
Axul axului mijlociu albastru



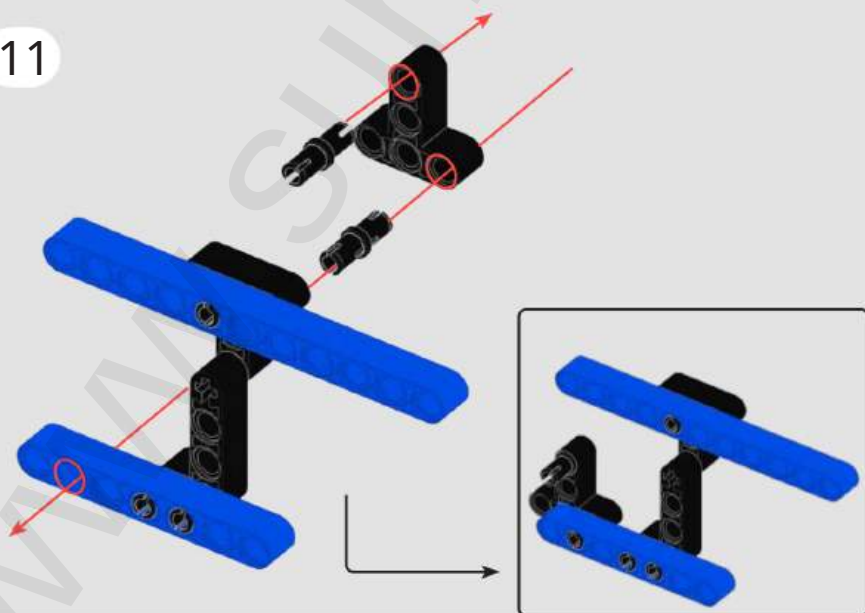
9

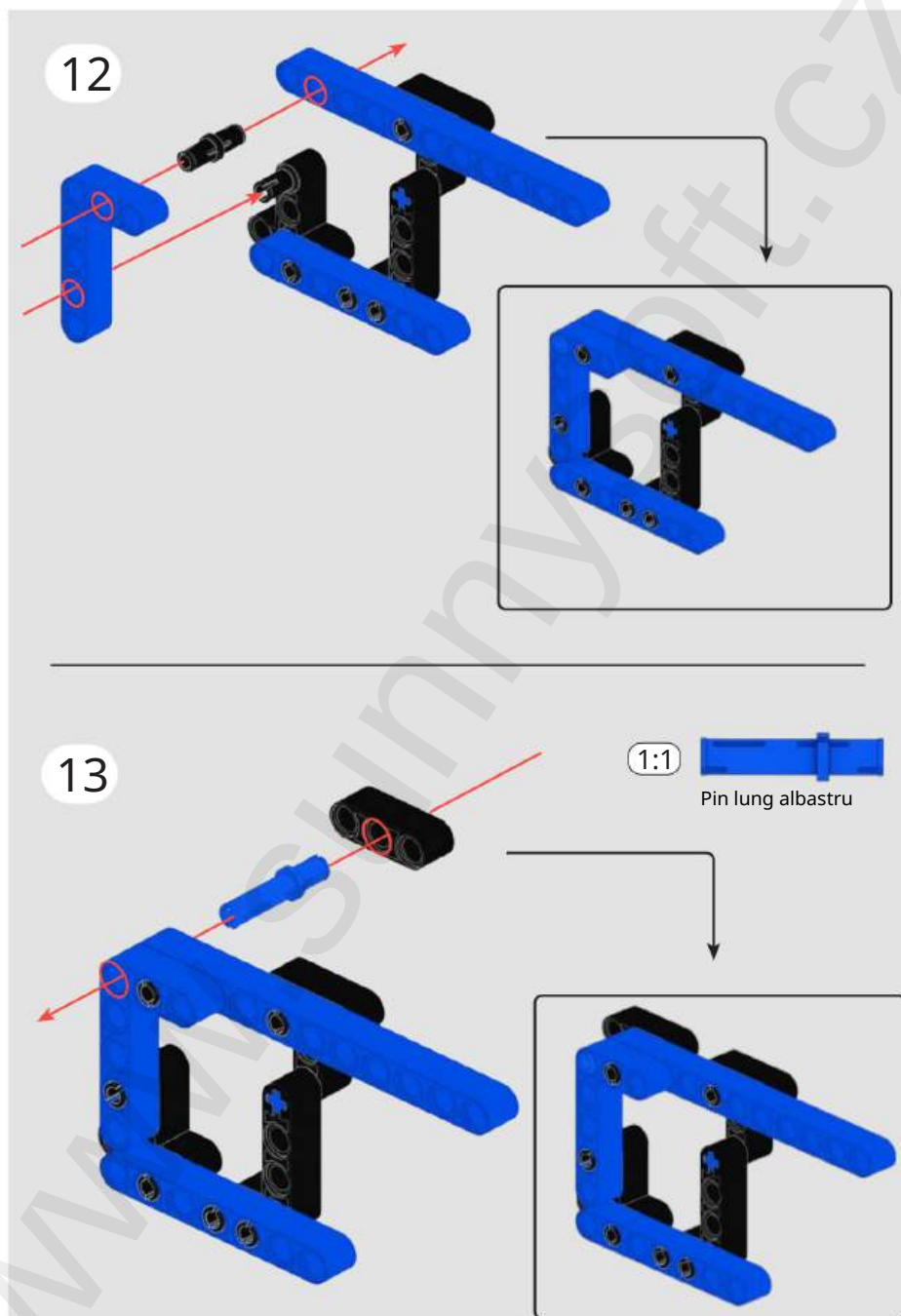


10



11





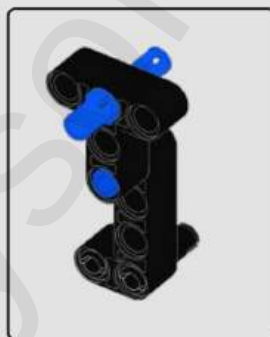
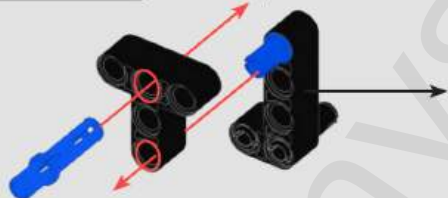
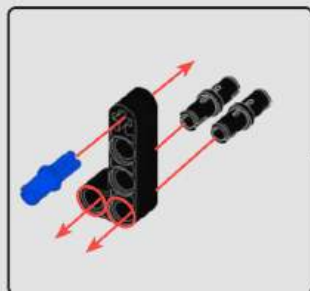
14

Să facem cealaltă parte.

1:1

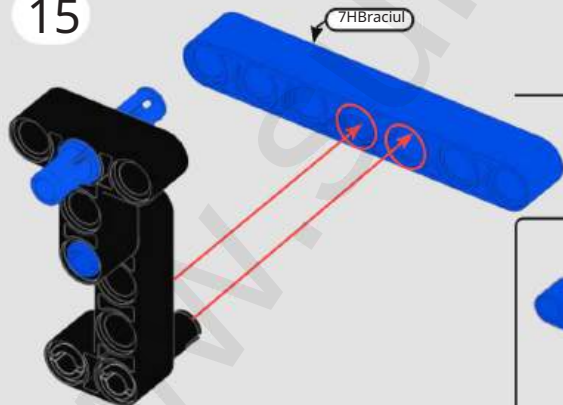


Axul axului mijlociu albastru

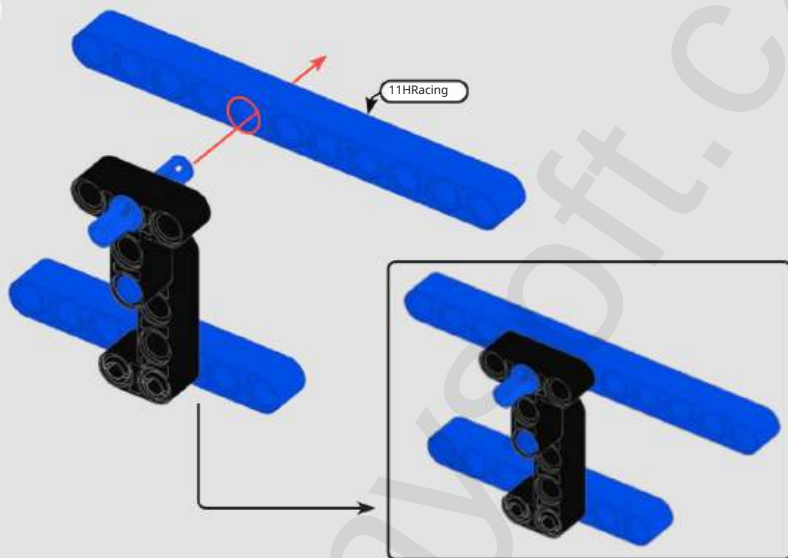


15

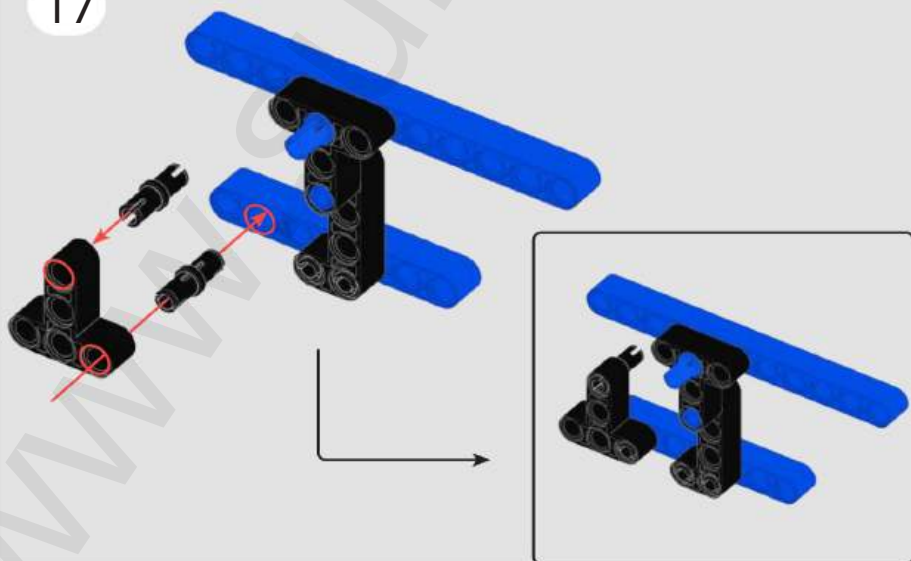
7HBraciul



16



17

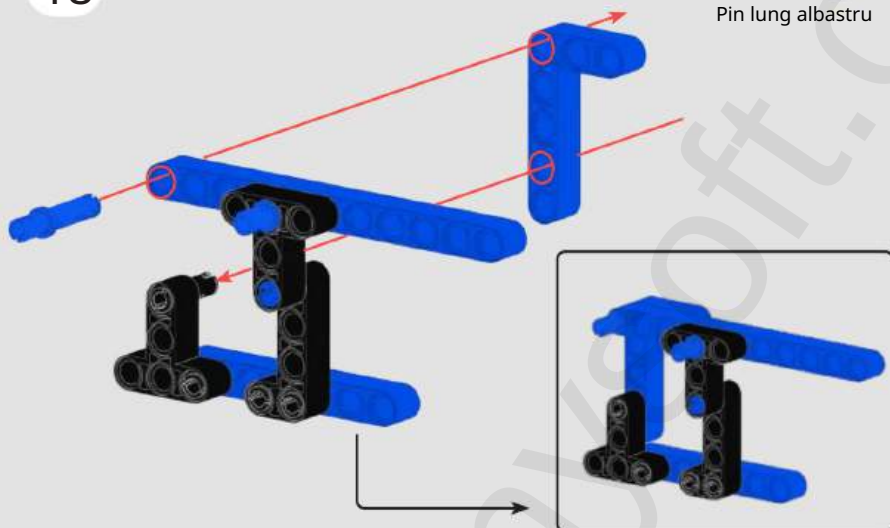


18

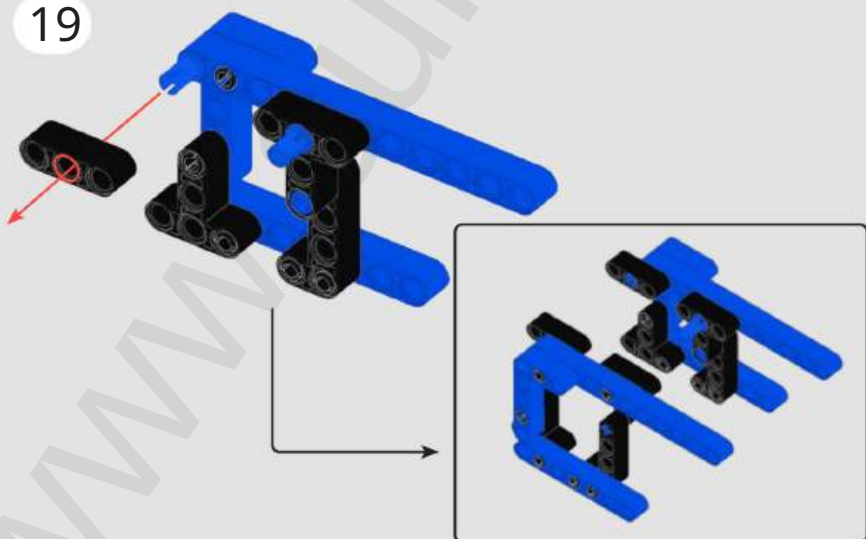
1:1



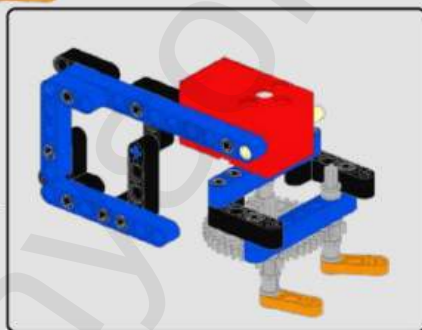
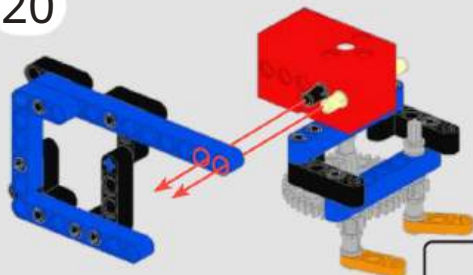
Pin lung albastru



19

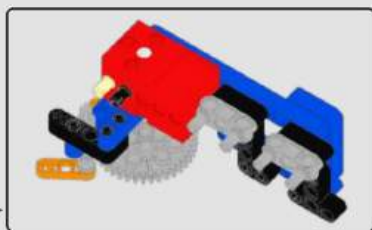
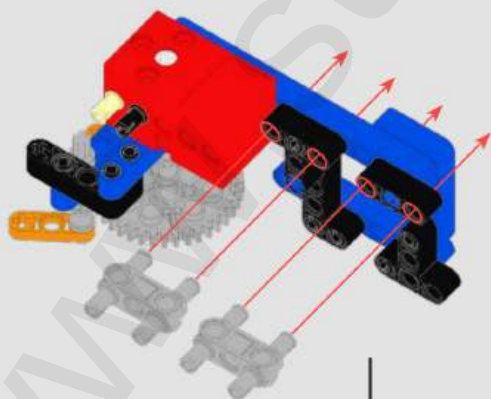


20



21

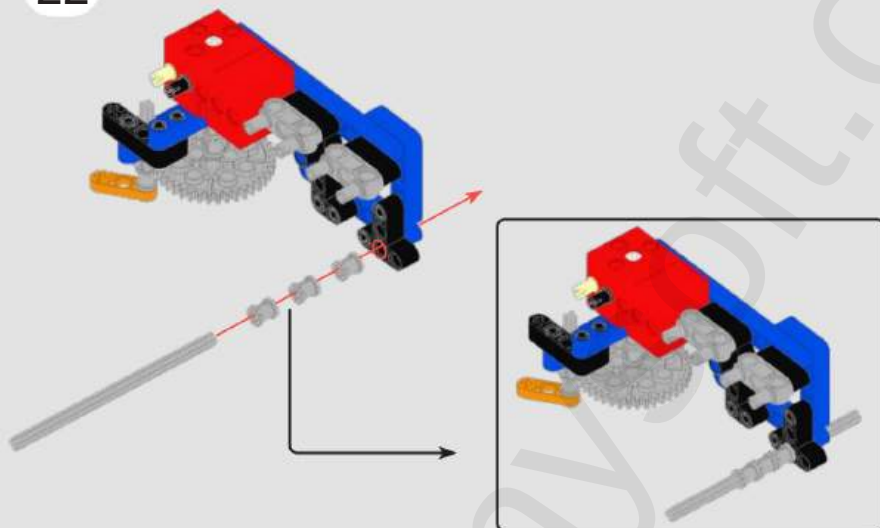
Vedere de sus din dreapta spate



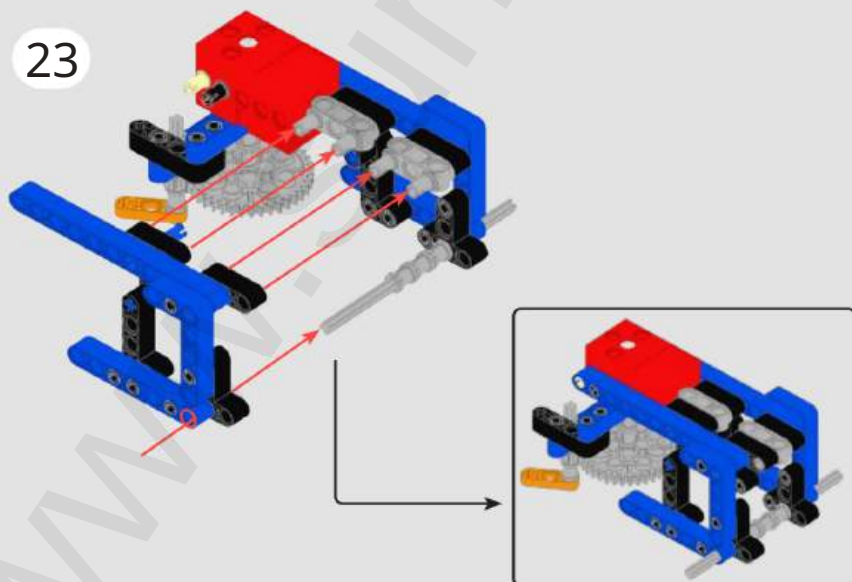
22

1:1

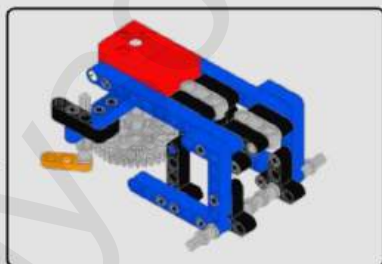
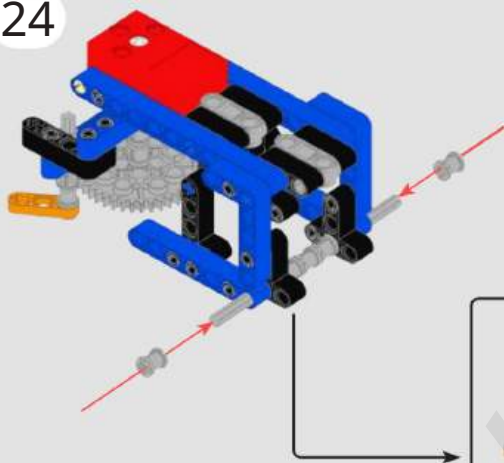
11H Remediu



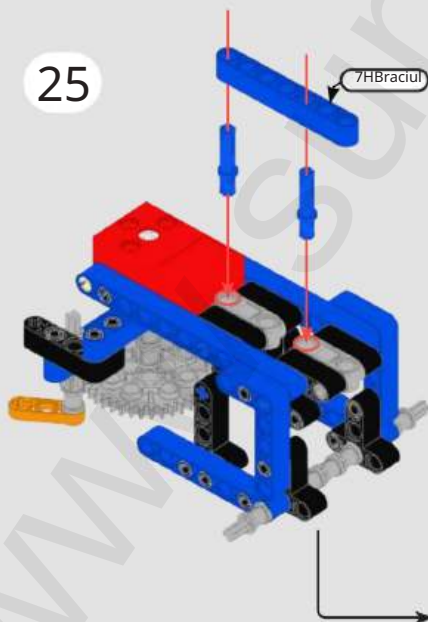
23



24



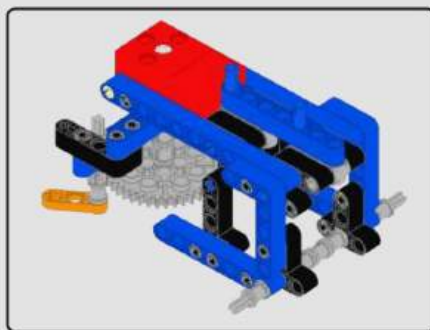
25



1:1



Pin lung albastru

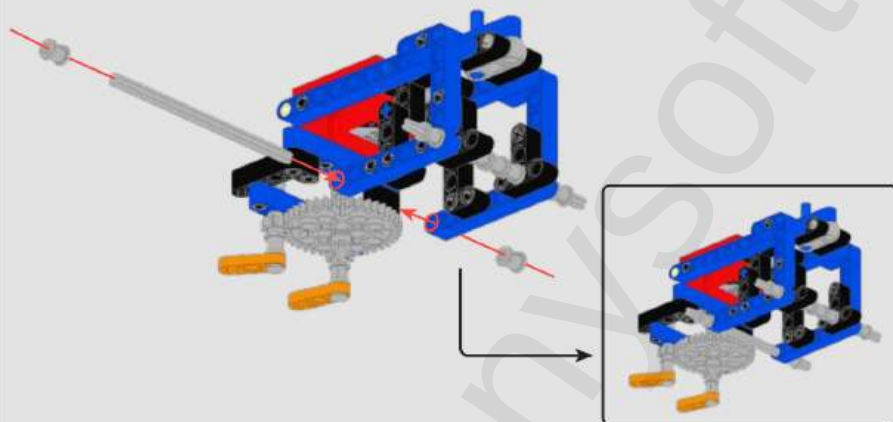


26

Vedere din spate jos dreapta

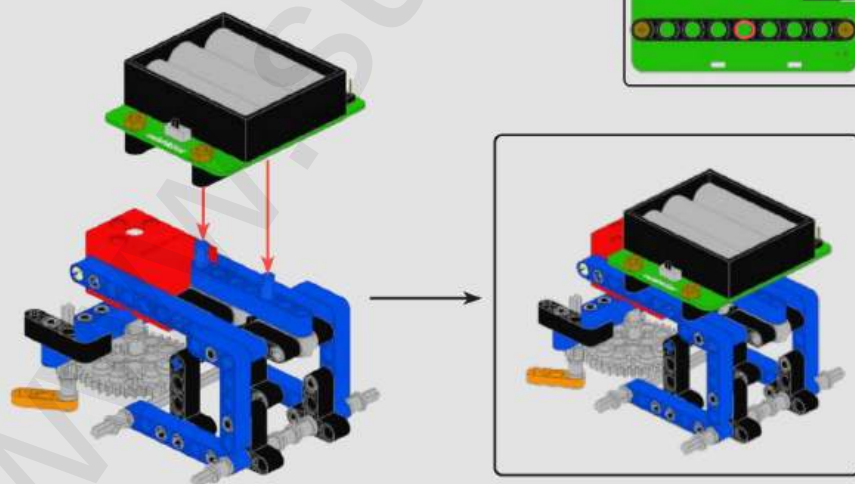
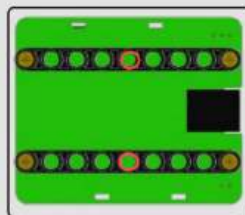
1:1

11H Remediu

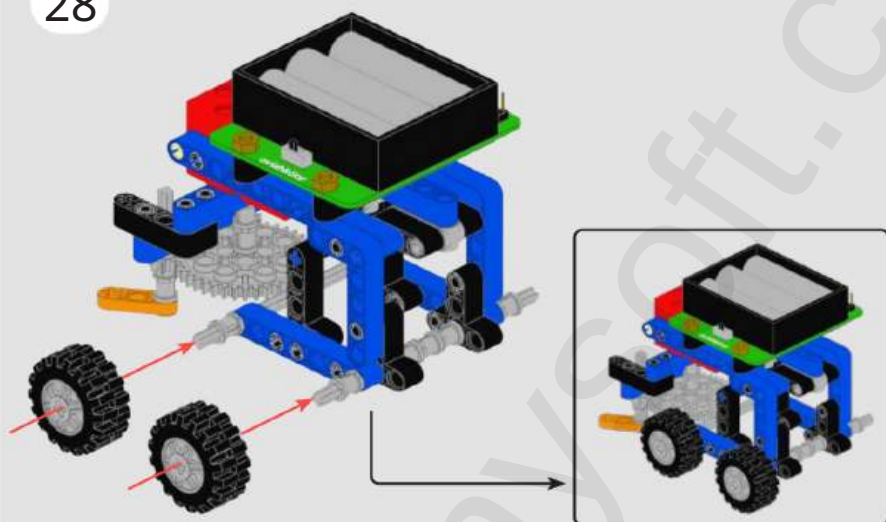


27

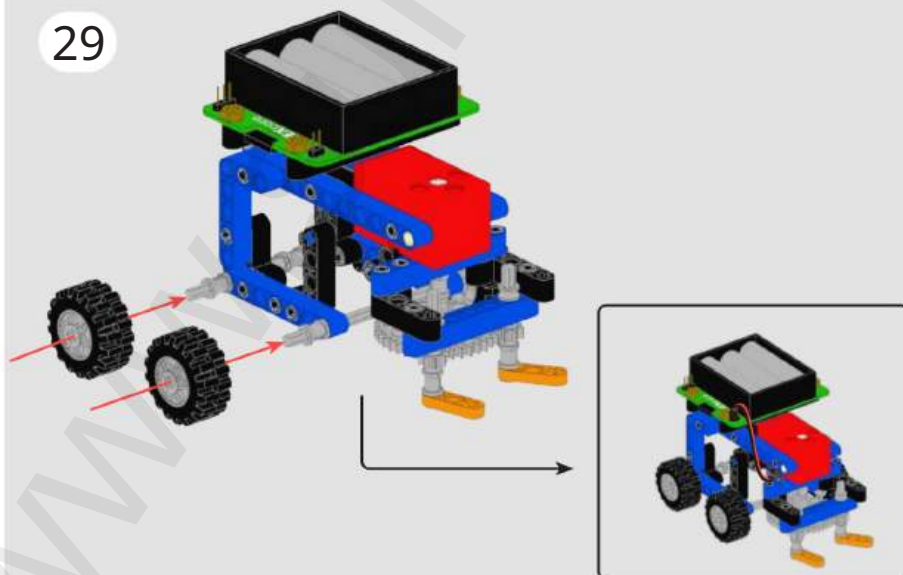
Vedere de sus din dreapta spate



28



29



Felicitări pentru finalizare a acestui proiect!

Îți place să te joci cu el folosind aplicația mobilă avishkaar?

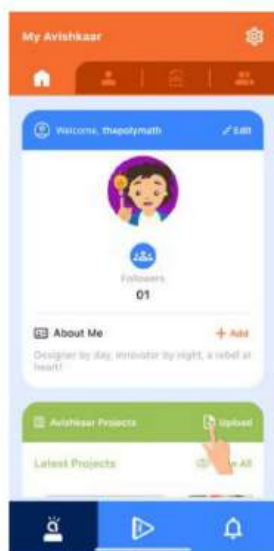
Accesați pagina 8 pentru instrucțiuni detaliate despre cum să descărcați aplicația și să controlați robotul cu ea.



Împărtășește-ți creația cu întreaga lume și câștigă o insignă de nivel 2 „Scratch the Surface”.

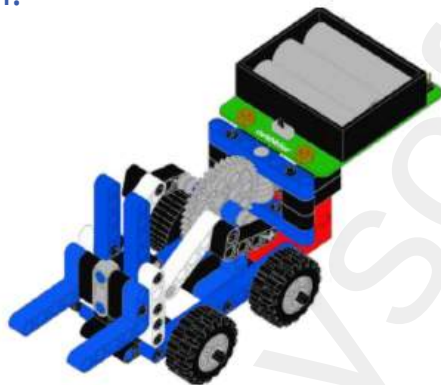
Încărcați fotografii sau videoclipuri ale proiectului dvs. utilizând secțiunea de proiect a aplicației Avishkaar și câștigați o insignă „Scratch the Surface” de nivelul 2.

Vedeți toate colecțiile dvs. insigne în secțiunea de realizări a profilului dvs. de pe www.avishkaar.cc. Explorați toate celelalte insigne pe care doriți să le colectați și câștigați-le pe toate!



Proiectul 4: Stivuitor

Să construim!



Lucruri de care avem nevoie



11H
fascicul
x2



7H
fascicul
x4



5H
fascicul
x4



3H
fascicul
x7



7H
Fascicul L
x4



1Cx4H
Fascicul L
x6



5HT
fascicul
x2



Frontal
roata din ată
40T x 1



Melc
cutie de viteze
- mare x 1



3Hx4Pin
Konekor
x2



Umplere
axe-mari
x4



Umplere
axe - mici
x4



5H Acoperit
corec ie
x 1



7H
Remediu
x 1



10H
Remediu
x2



Pin scurt
-galben x 2



Pin mediu
-negru x 22



Mediu
Pin
gri x 2



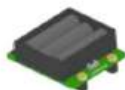
Lung
pin-albastru
x 11



Axul central
al axei - albastru x 2



Roata
x 4



Avishkaar
MEXCore
x 1



MEX mare
DC
motor
x 1

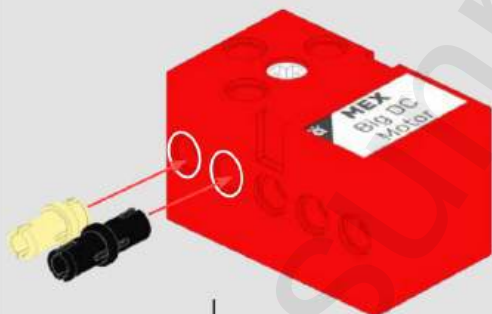
Pas

1

1:1



Pin scurt galben

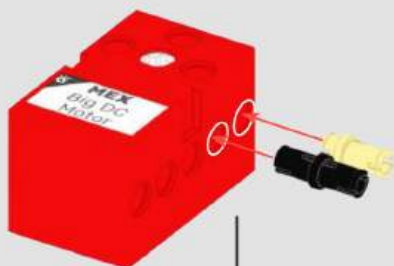


2

1:1

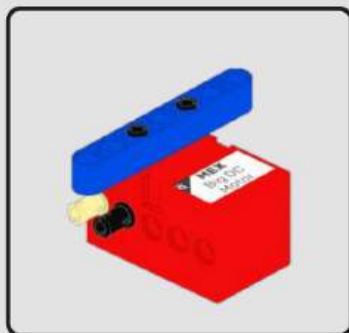


Pin scurt galben

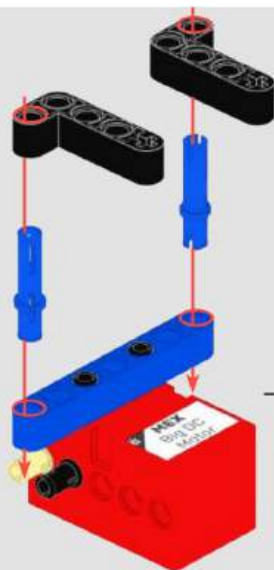


3

7HBraciul



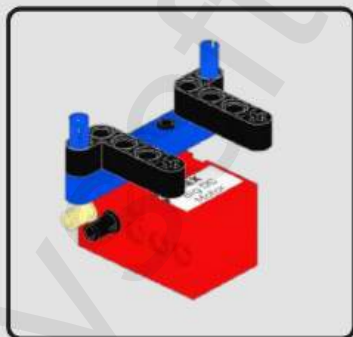
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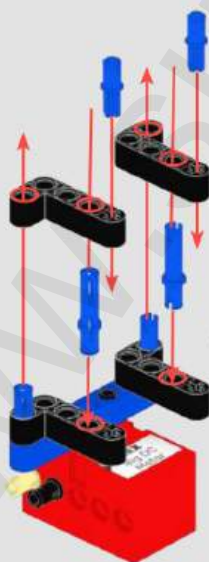
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Pin lung albastru



5

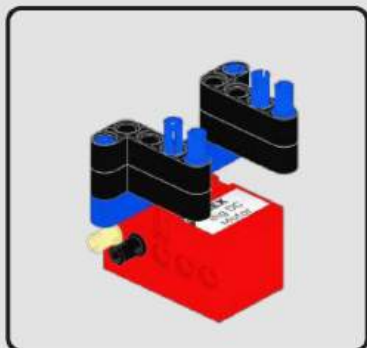


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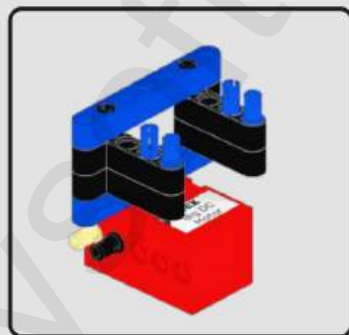
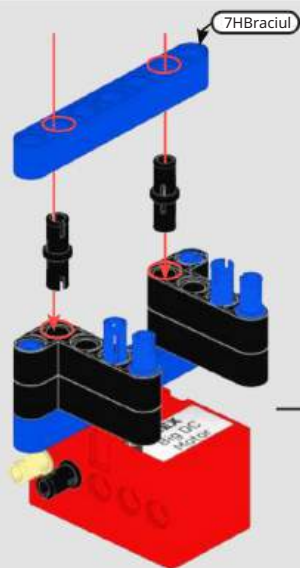


Pin lung albastru

1:1

Axul central al axei
Albastru

6

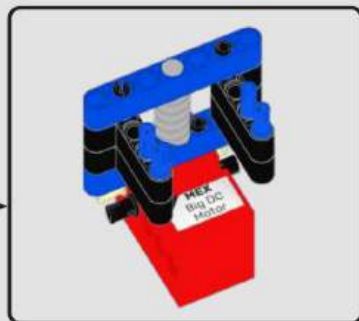
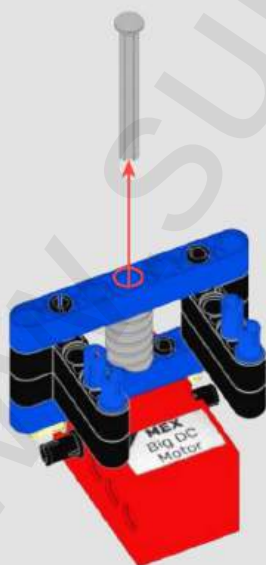


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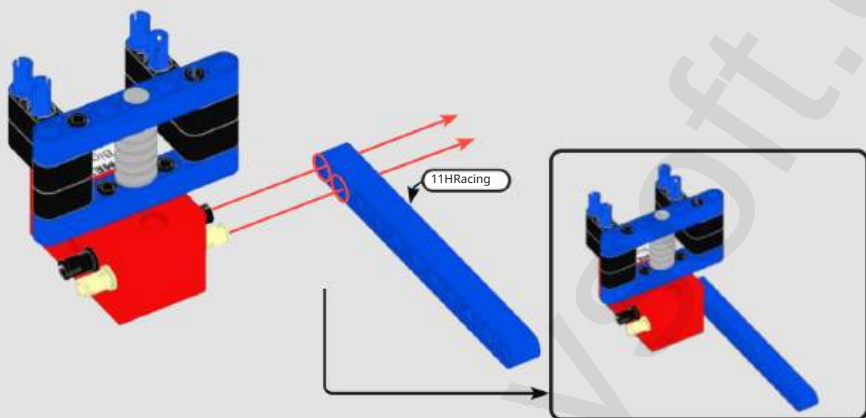
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Axa acoperita 5H



8

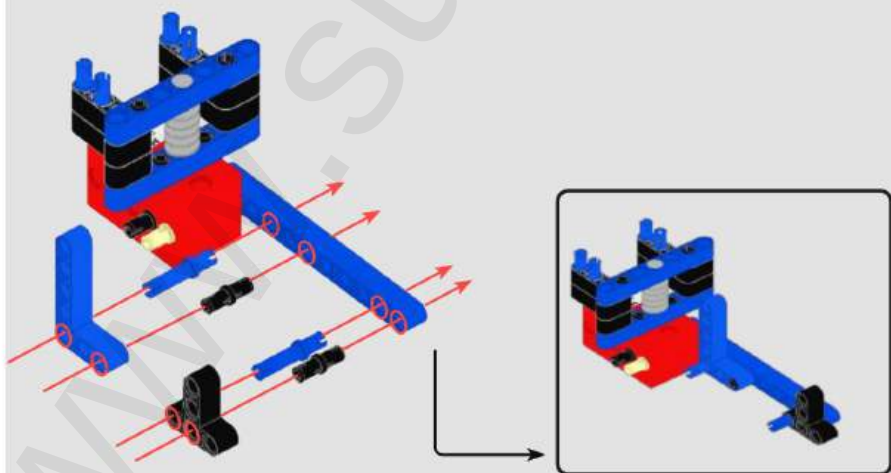


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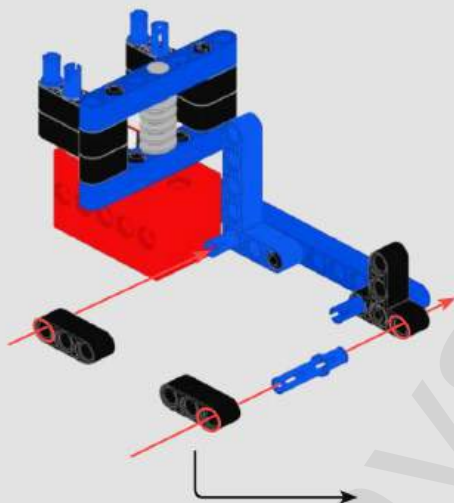
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Pin lung albastru



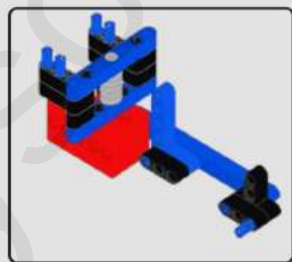
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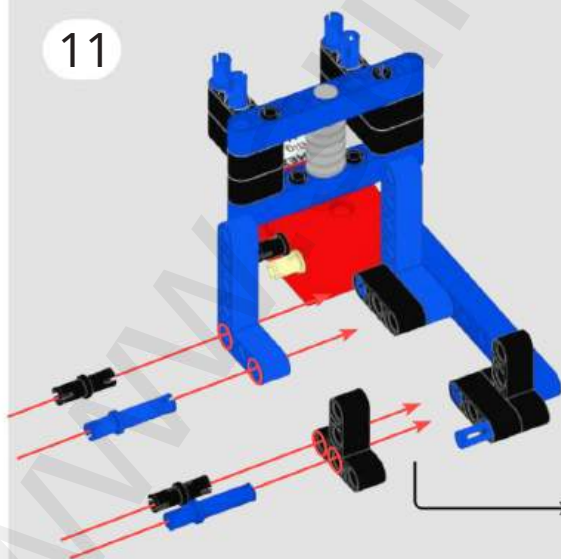
1:1



Pin lung albastru



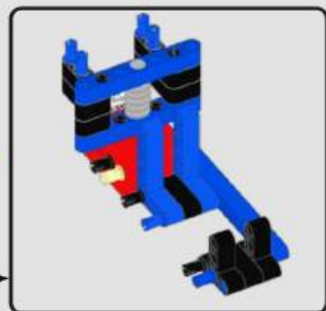
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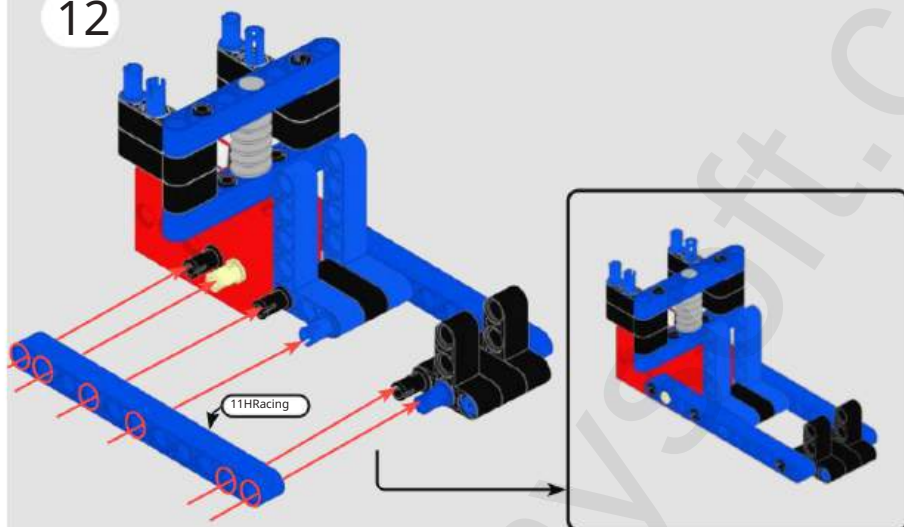
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Pin lung albastru



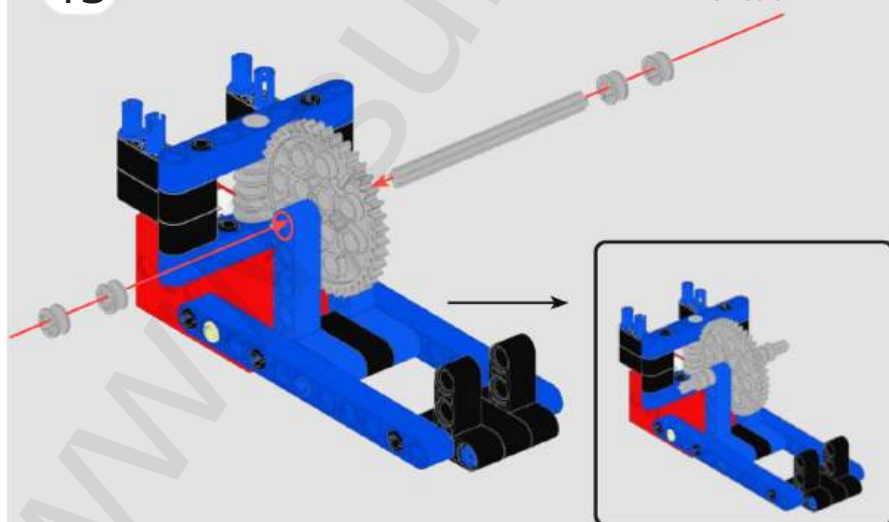
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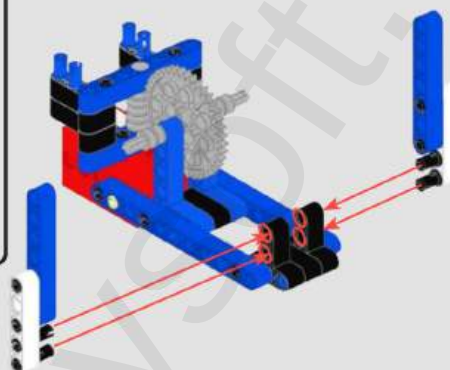
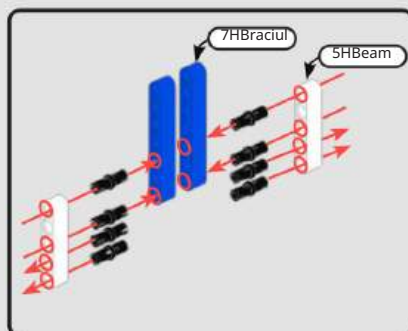
13

1:1

7H Remediu



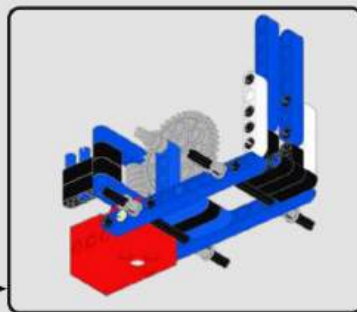
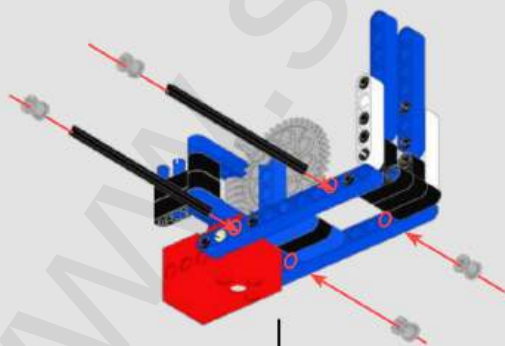
14



15 Vedere frontală jos stânga

1:1

10H Remediu

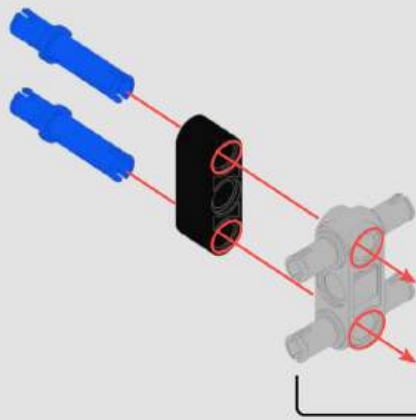


16

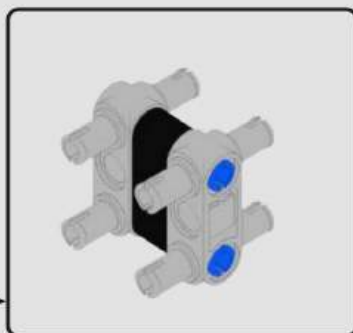
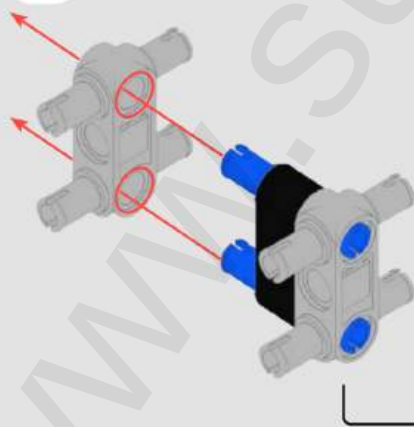
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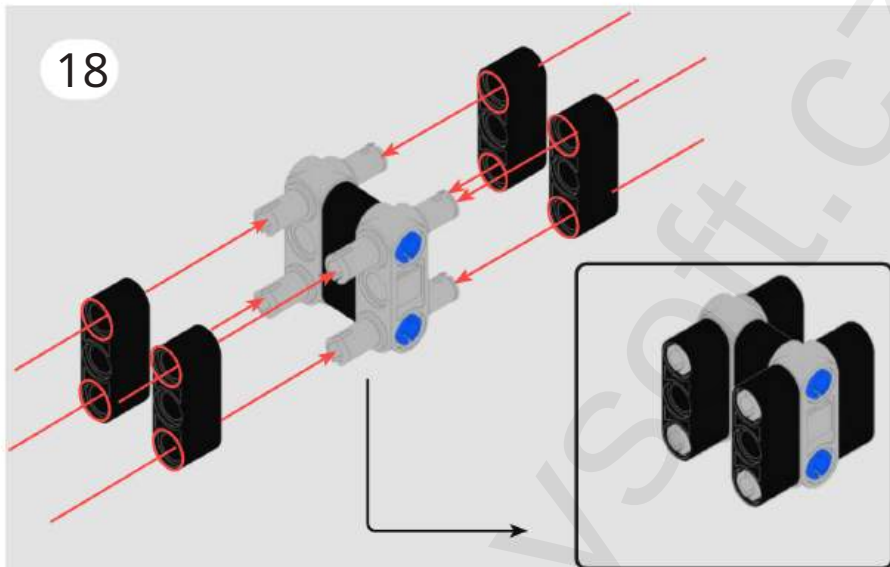
Pin lung albastru



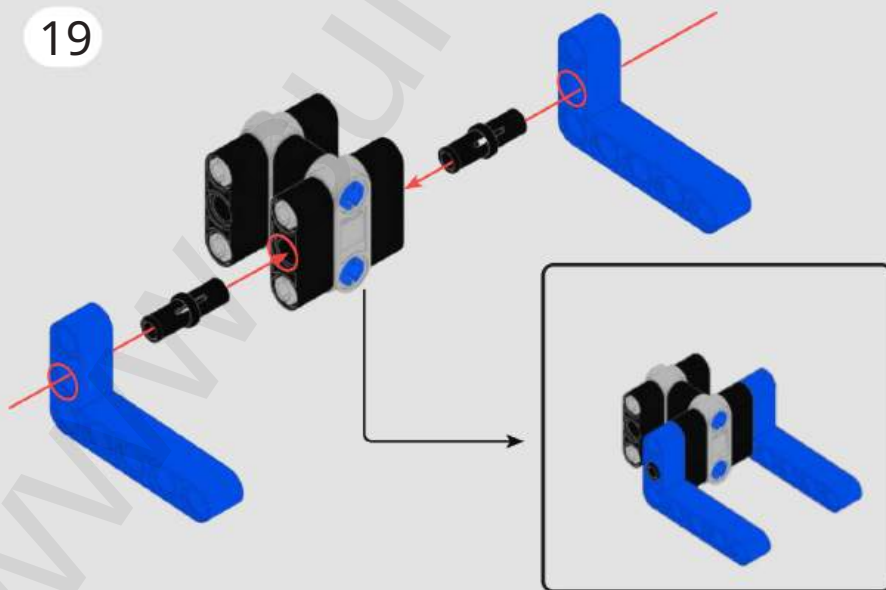
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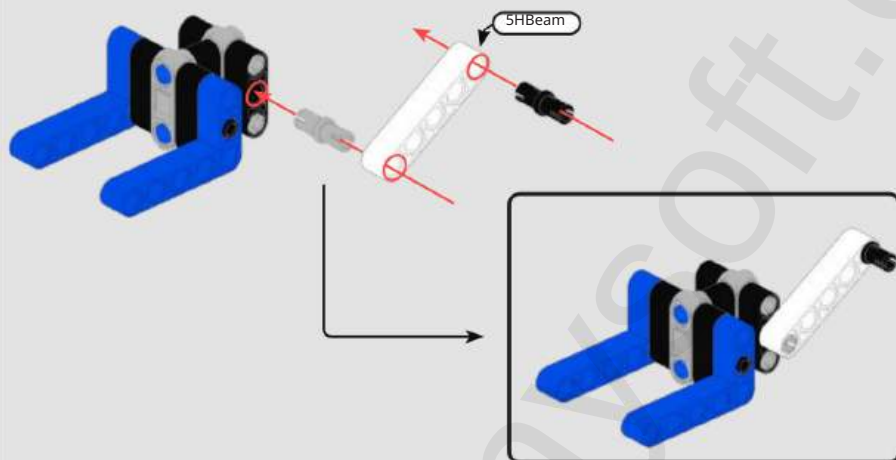
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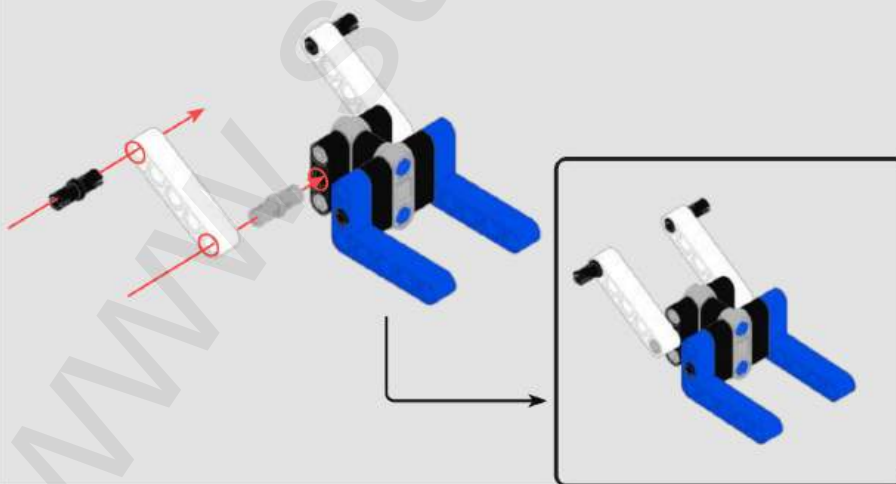
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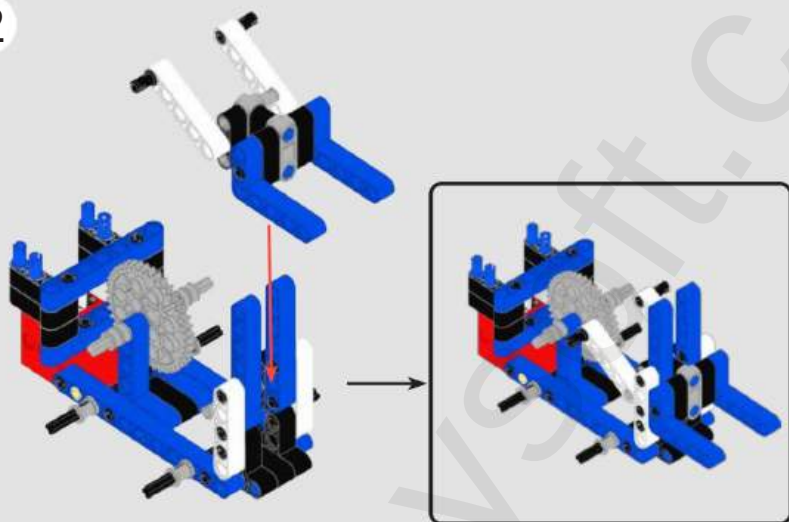
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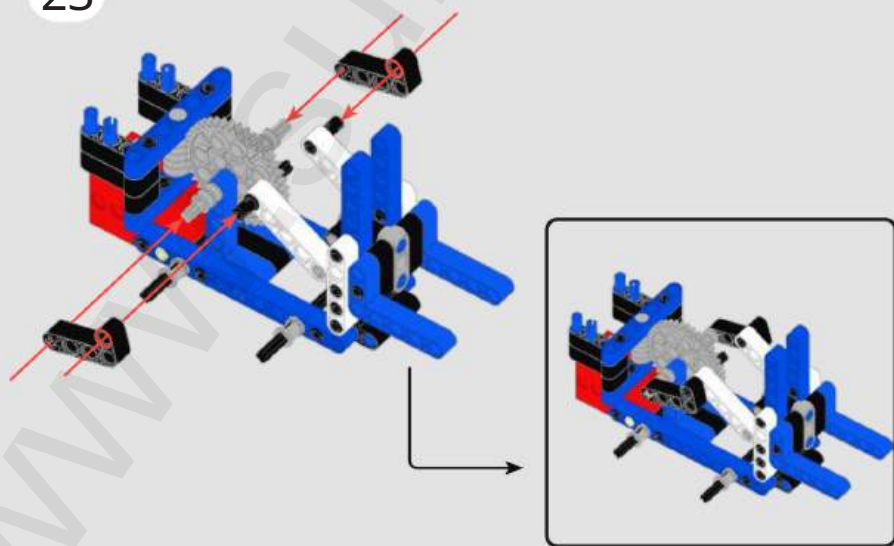
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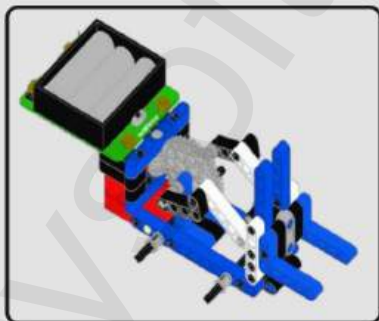
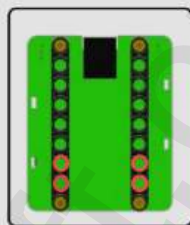
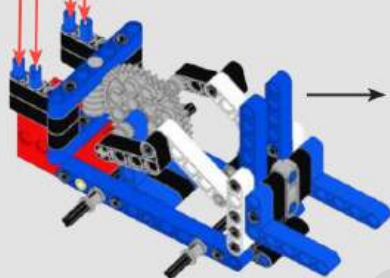
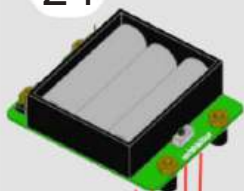
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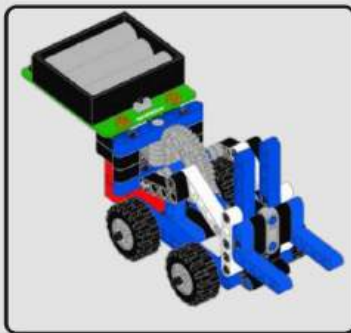
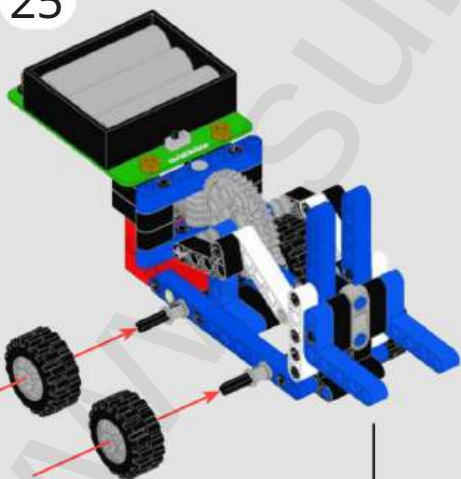
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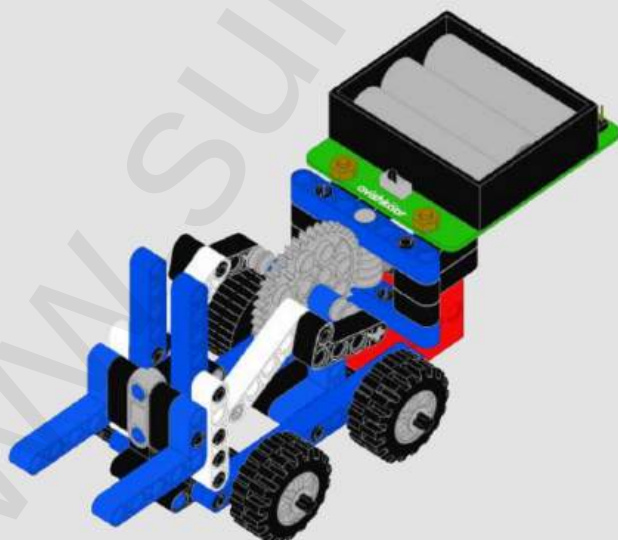
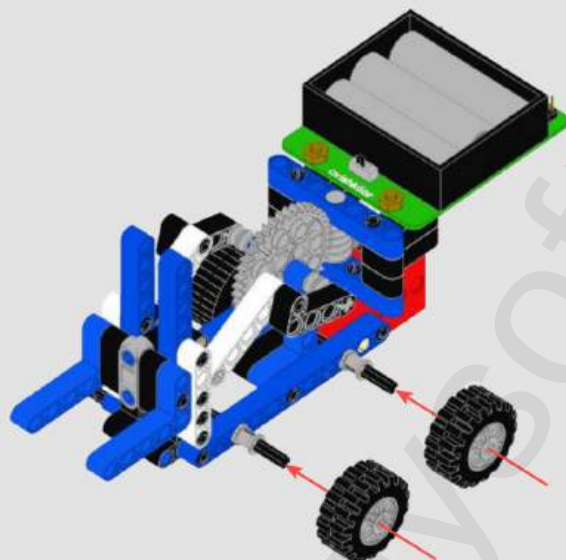
24



25



26



Felicitări pentru finalizare a acestui proiect!

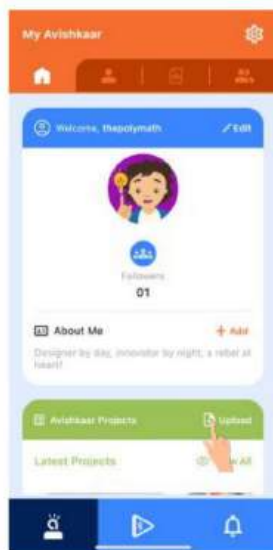
Îți place să te joci cu el folosind aplicația mobilă avishkaar?
Accesați pagina 8 pentru instrucțiuni detaliate despre cum să descărcați aplicația și să controlați robotul cu ea.



Împărtășește-ți creația lumii și câștigă o insignă de nivel 3 „Scratch the Surface”.

Încărcați fotografii sau videoclipuri ale proiectului dvs. folosind secțiunea de proiecte a aplicației Avishkaar pentru a câștiga insigna „Scratch the Surface” de nivel 3

Vizualizați toate colecțiile dvs. insigne în secțiunea de realizări a profilului tău de pe www.avishkaar.cc Explorați toate celelalte insigne pe care doriți să le colectați și câștigați-le pe toate!



Proiectul 5: Dobby Robot

Să construim!



Lucruri de care avem nevoie



Fascicul 9H
x 6



Fascicul 5H x
4



3H
fascicul
x4



7H
L-Beam x
4



1Cx4H
L-Beam x
4



5HT
fascicul
x2



1Cx1H
Grinda
x 2



2Cx1
Fascicul subțire
1



3Hx4Pin
Conector
x2



Umplere
axului - mic
x 2



Axă 3H x 2



Scurt
Pin-galben
x 1



Pin lung-
albastru x 10



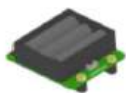
Pin mediu
negru
x 18



Axul central
al axei - albastru
x 4



Pin mediu gri
x 4



Avishkaar
MEXCore
x 1



MEX mare
DC
motor x 1

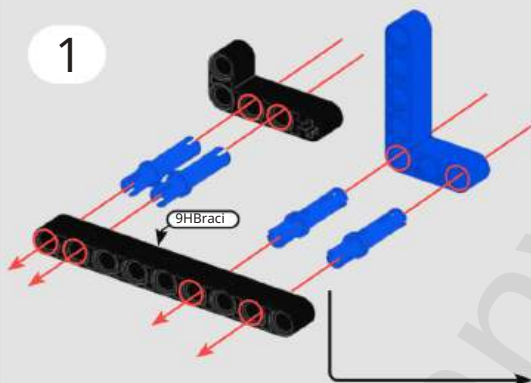


Pin lung-
galben x 2



3Cx2H
Subțire -D
x 2

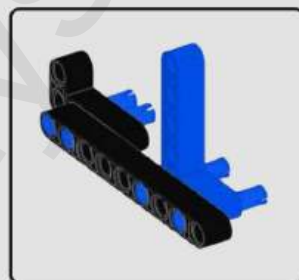
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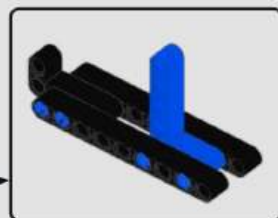
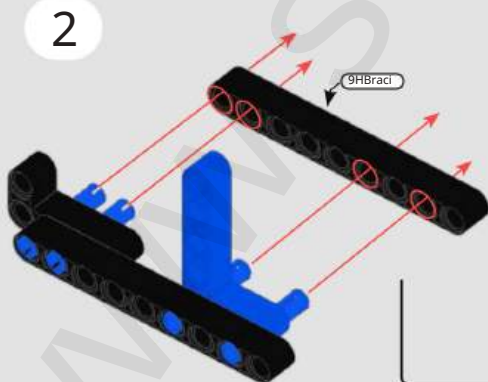
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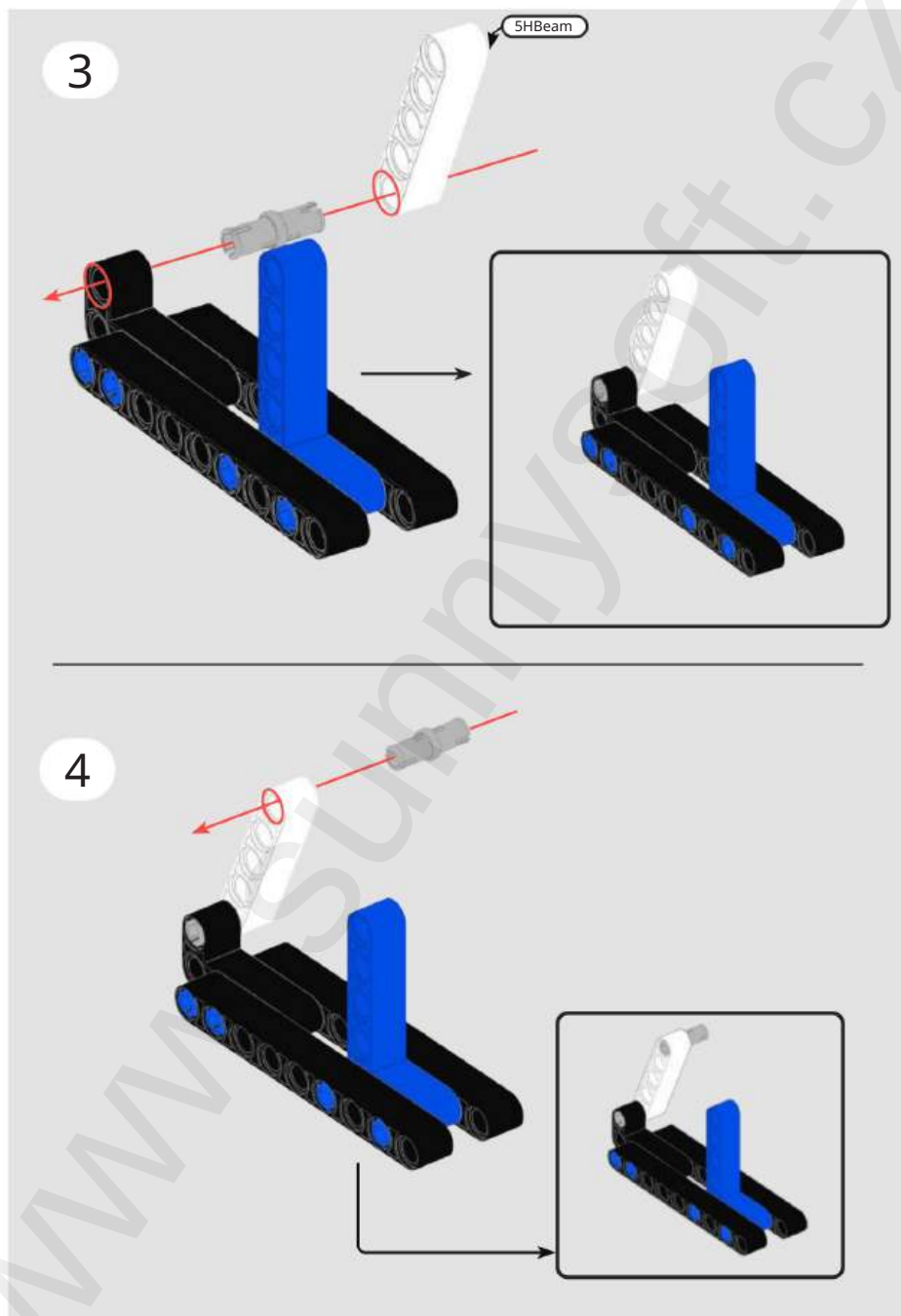


Longpin-albastru

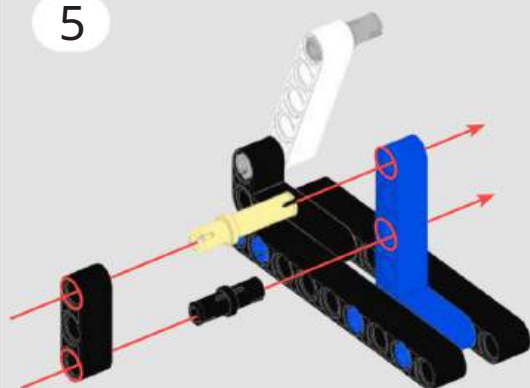


2





5



(1:1)

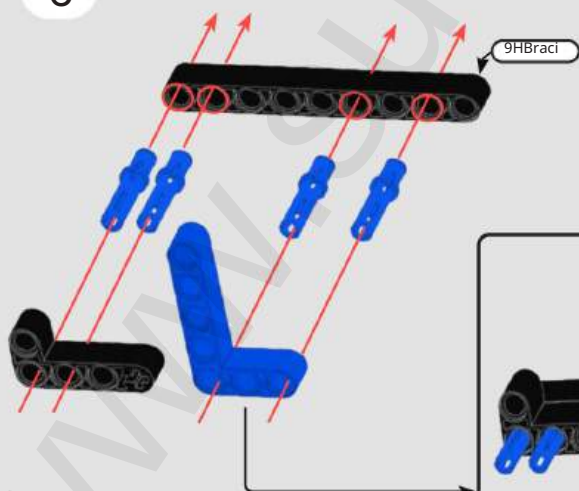


Pin lung-galben



6

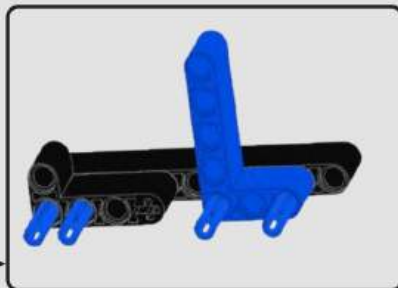
Să facem partea cu oglindă.



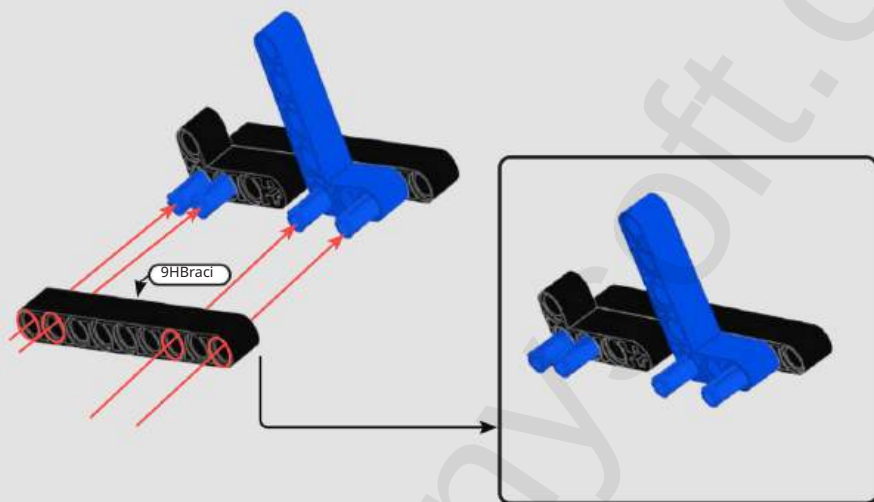
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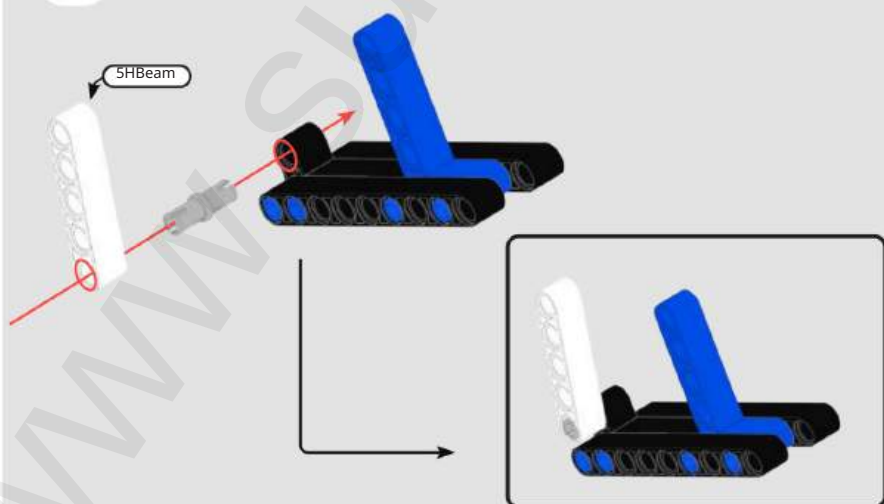
Pin lung-albastru



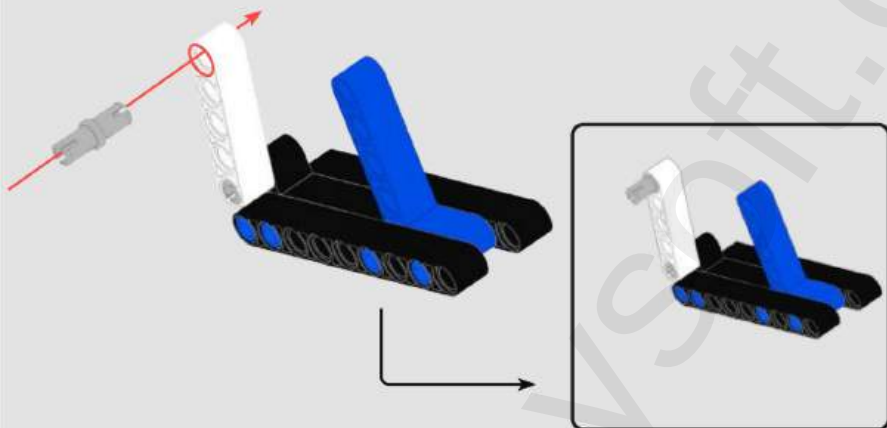
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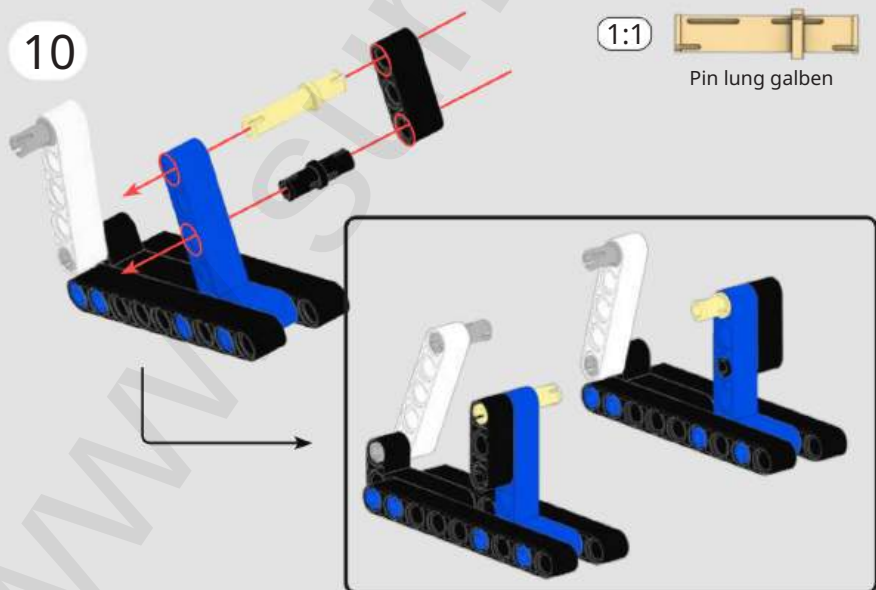
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9



10

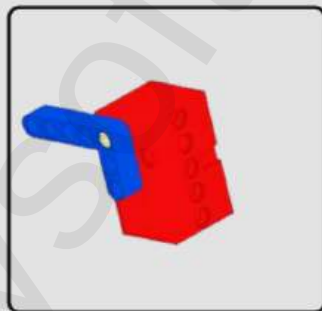
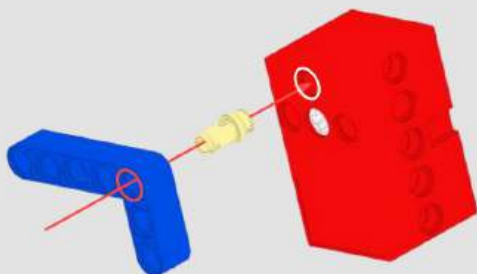


11

1:1



Pin scurt galben

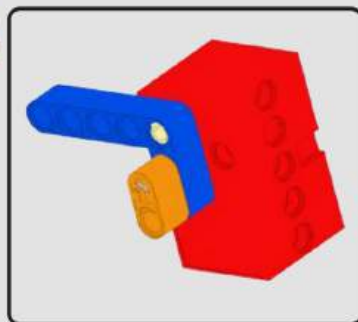
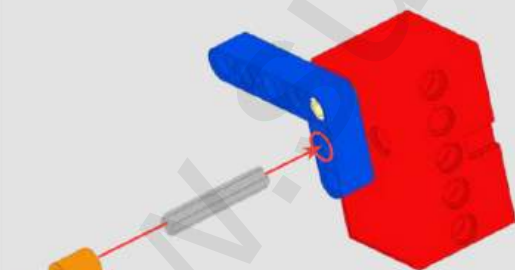


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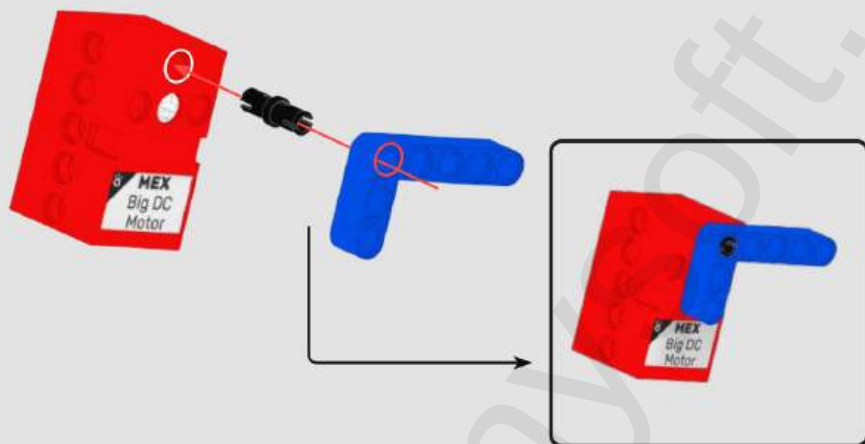
1:1



3H Remedium



13

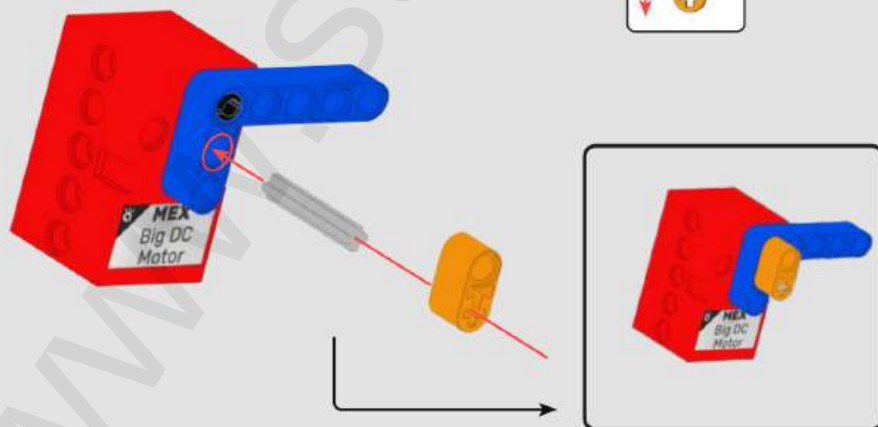


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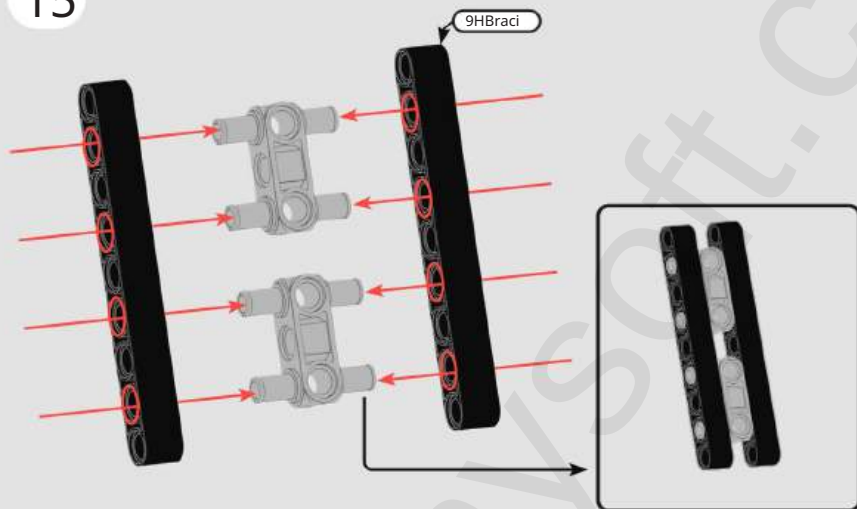
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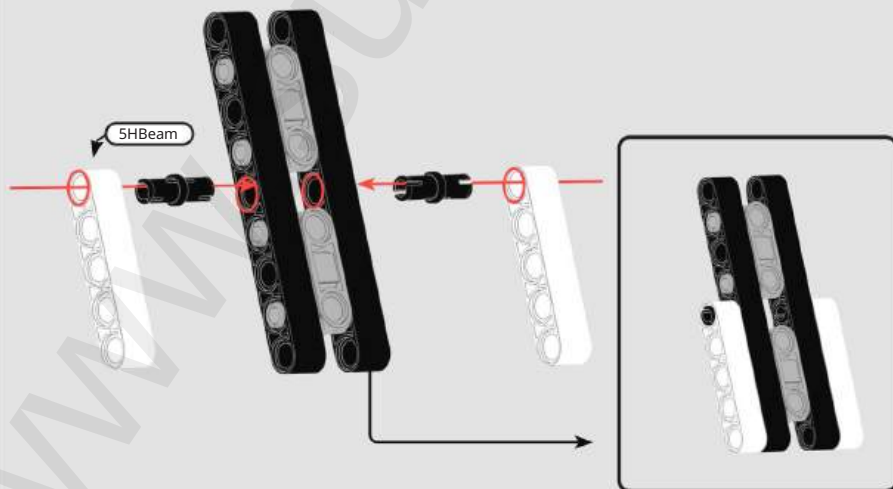
3H Remediu



15



16

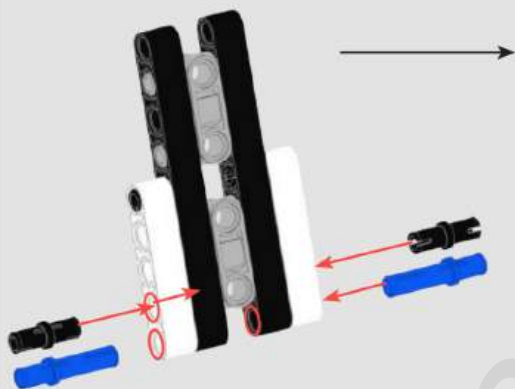


17

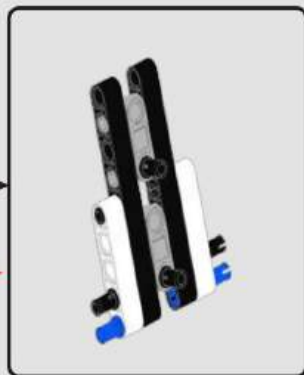
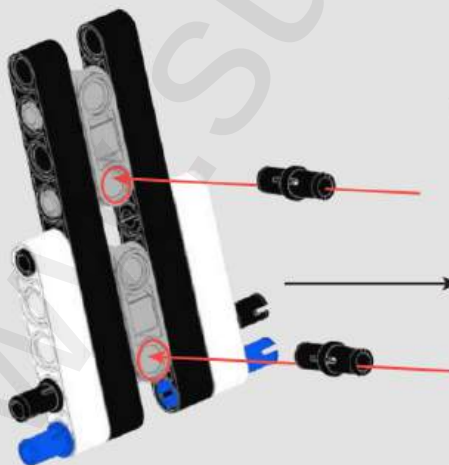
1:1



Pin lung albastru



18

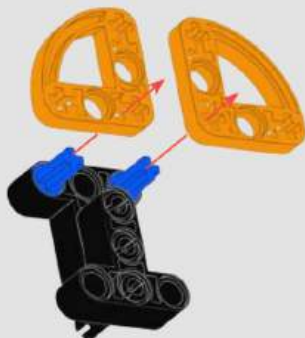
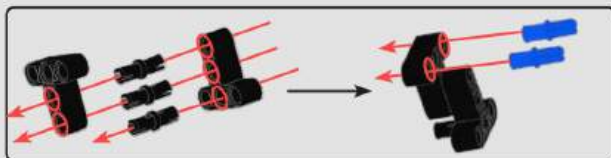


19

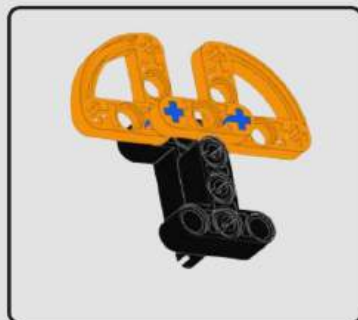
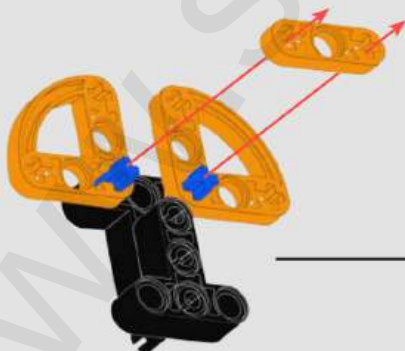
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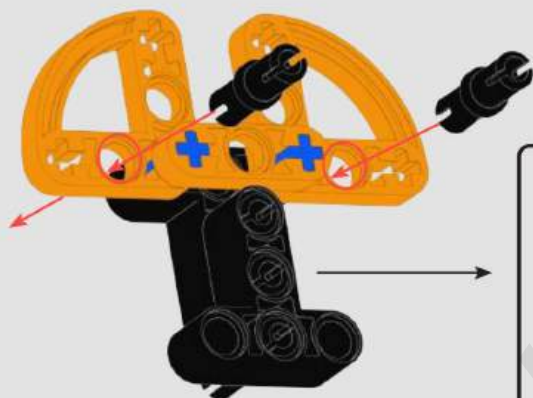
Axul axului mijlociu
albastru



20



22

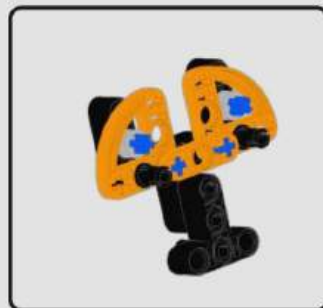
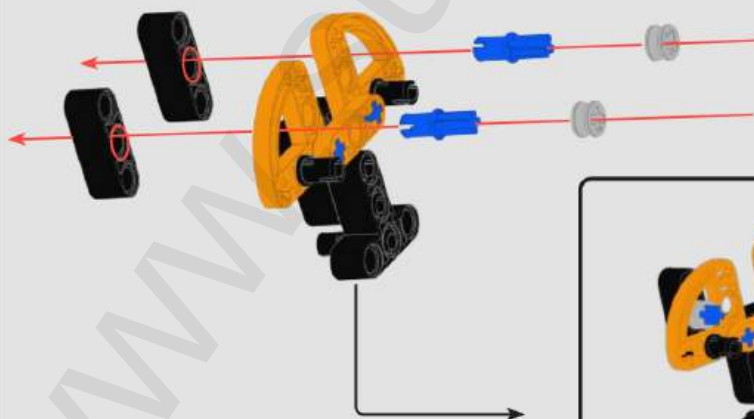


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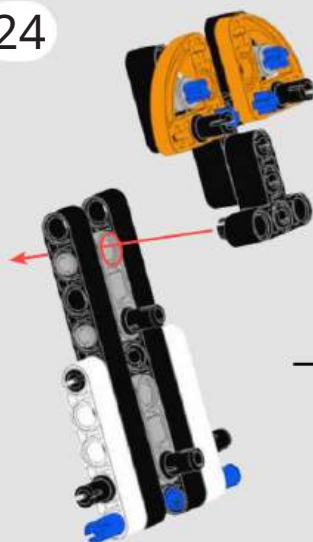
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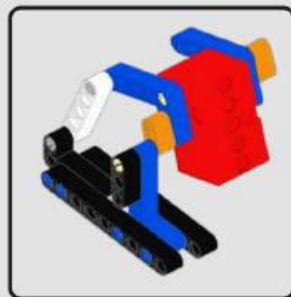
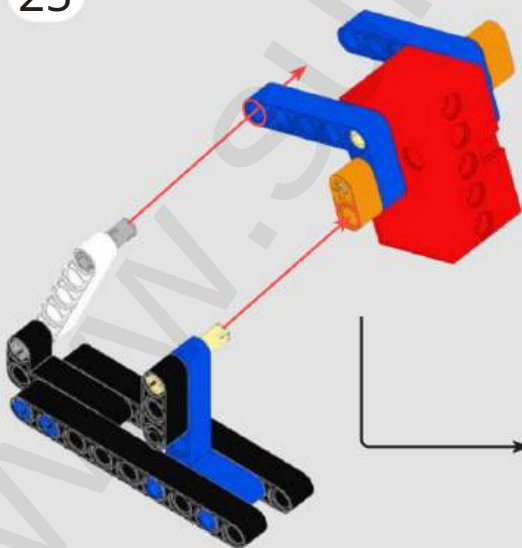
Axul axului mijlociu albastru



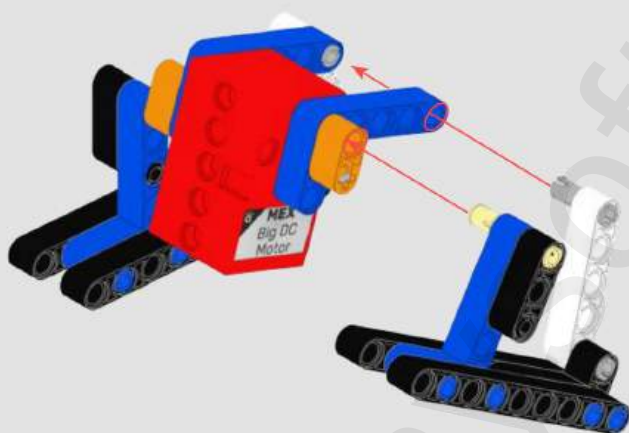
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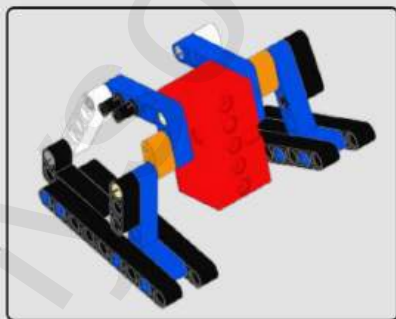
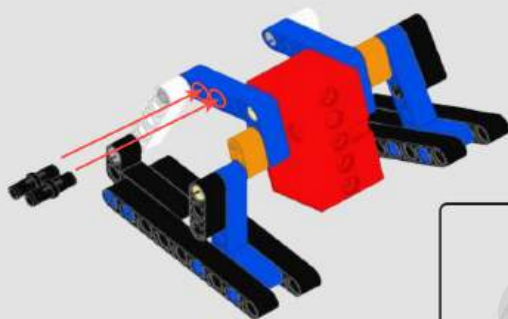
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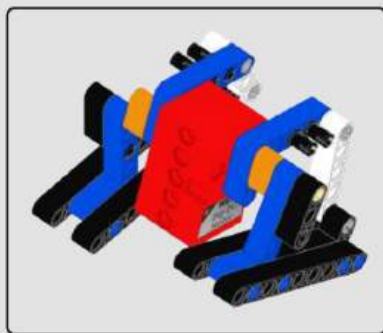
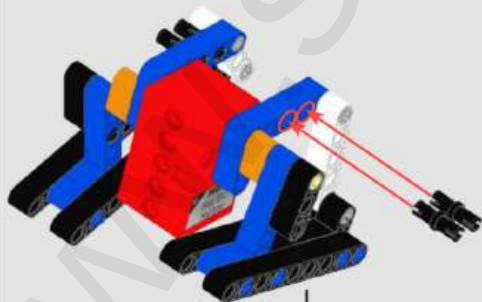
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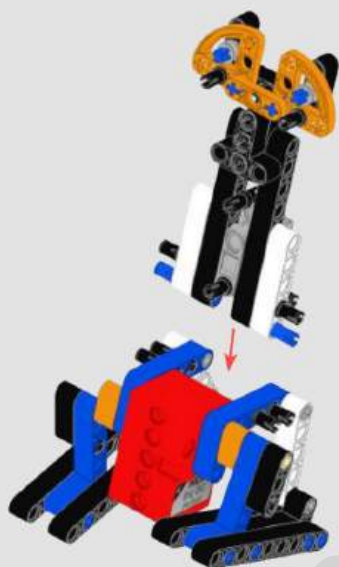
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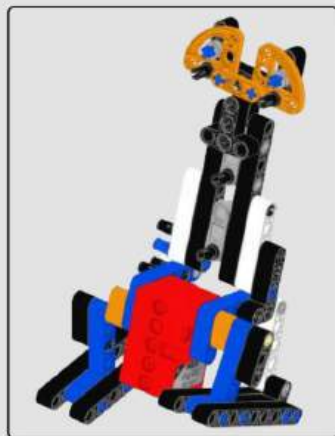
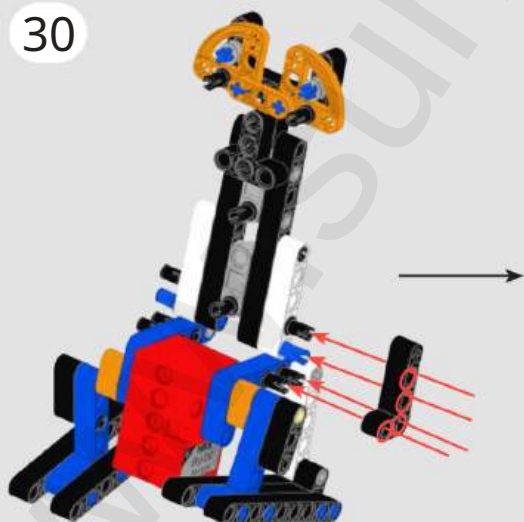
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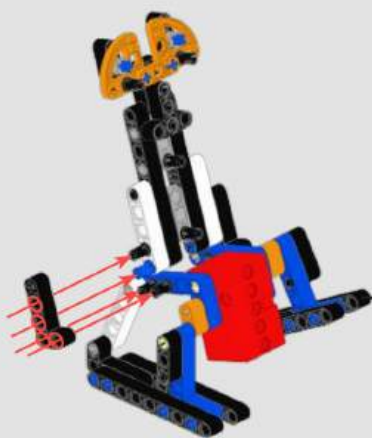
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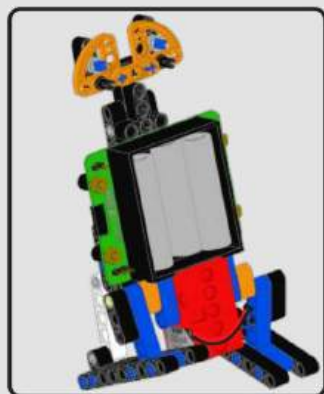
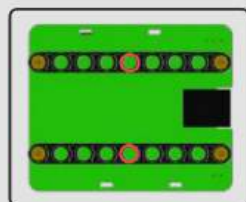
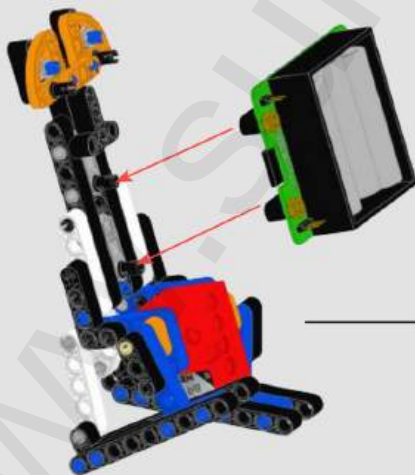
30



31



32



Felicitări pentru finalizare a acestui proiect!

Îți place să te joci cu el folosind aplicația mobilă avishkaar?

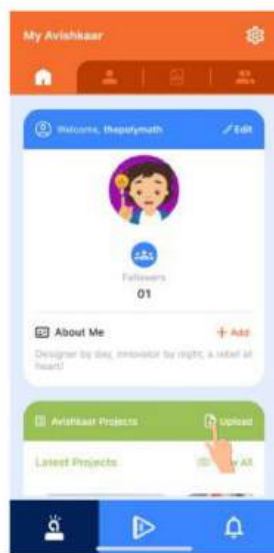
Accesați pagina 8 pentru instrucțiuni detaliate despre cum să descărcați aplicația și să controlați robotul cu ea.



Împărtășește-ți creația lumii și câștigă" „Zgâriește suprafața” Nivelul 3

Încărcați fotografiile sau videoclipuri ale proiectului dvs. folosind secțiunea de proiecte a aplicației Avishkaar și câștigați o insignă la nivel „Scratch the Surface” 3.

Vedeți toate colecțiile dvs insigne în secțiunea de realizări a profilului tău de pe www.avishkaar.cc Explorați toate celelalte insigne pe care doriți să le colectați și câștigați-le pe toate!



Te confrunți cu o problemă?

Suportul nostru tehnic este disponibil pentru a vă ajuta în aceste ore – de luni până sâmbătă: 9:00 AM - 8:00 PM Duminică și a treia sâmbătă: 9:00 AM - 6:00 PM



Probleme
de software



Probleme
de utilizare



Probleme
hardware

Contactați asistența prin scanarea codului QR.



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www.sunnysoft.cz

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+91 - 8506931515 support@avishkaar.cc www.avishkaar.cc



@AvishkaarEdu

avishkar

MEX

Robotics
Starter Kit

User Manual





**"I don't dream
of success, I work
towards it!"**

Sneak peak

| | |
|-------------------------------------|-----|
| Make the most out of your kit | 04 |
| Innovator's oath | 06 |
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| Armour check | 13 |
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| Project 1: MEX mobile..... | 17 |
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| Troubleshoooot & help | 104 |

Make the Most Out of Your Kit

Innovate - - - - -



Take the Innovator's Oath

Take the innovator's oath mentioned on page 6 and understand what it means to be an innovator.



Learn using Manual/Videos

Follow detailed instructions in the manual and learn how to build exciting robots with your kit.



Build, Code & Control

Build innovative projects using your kit, and control the Robots using Avishkaar Remote and Code using Avishkaar Maker Studio.



Join Let's Avishkaar

Join our FB community - connect with innovators and get latest updates on webinars.



Upload Projects

Upload projects on www.avishkaar.cc and share them with innovators globally.



International Competitions

Participate in weekly, monthly and annual competitions and win glory globally.



Innovator's Oath

Take the Innovator's Oath below to pledge yourself to lifelong commitment towards Innovation and Problem Solving. Share a photo on the Let's Avishkaar FB Community.

I (write your name) _____

*solemnly swear that, since I am
now on the path of innovation,*

*I will not give up until my
innovation, my project is ready.*

*I will hone my skills and tools
and use them well. Innovation
and I will be inseparable.*

*I will always share my
innovations with other
innovators and learn with them.*

Your Signature



**Explore
your Kit**

Welcome to Avishkaar

Download the Avishkaar App

Download the Avishkaar App by scanning the QR codes below:



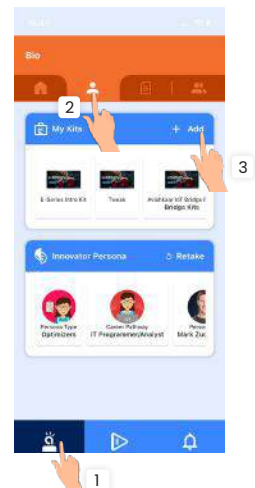
① Create an Account

Open the app and follow the on-screen steps to make an account.



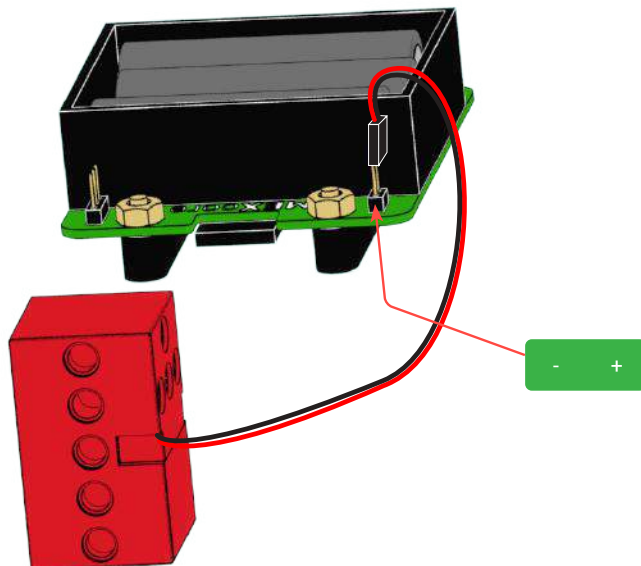
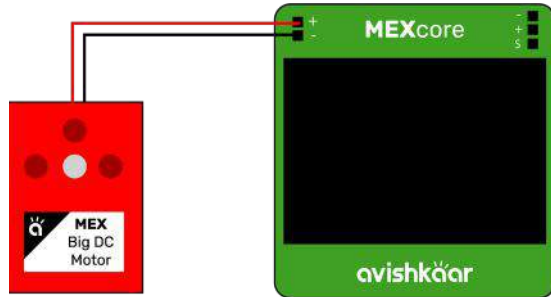
② Register your Kit

Go to the 'Profile' section in the app and click on '+ Add More' in the 'My Kits' section to register your kit. This step is important to control your robot later.



Product Registration
Sticker

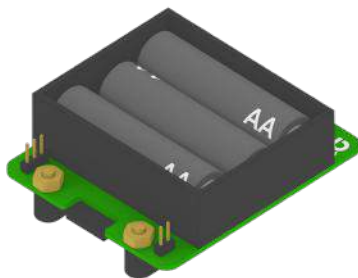
How to connect the motor to MEXcore



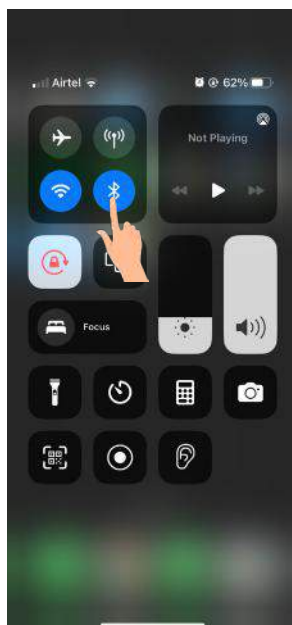
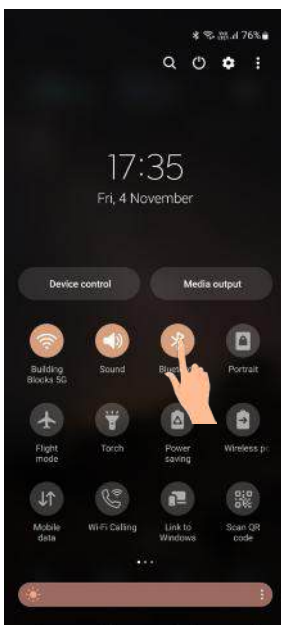
App Control

- 1 Insert the batteries in the MEXcore and turn it ON. You will notice the MEXcore LED blinking in green color.

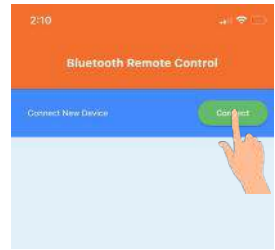
Note - Use AA alkaline cells only. (Any other type of cells can damage the MEXcore.)



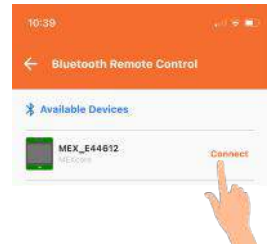
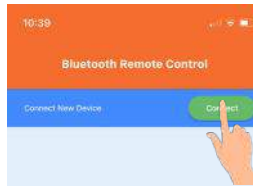
- 2 Turn ON the bluetooth on your phone.



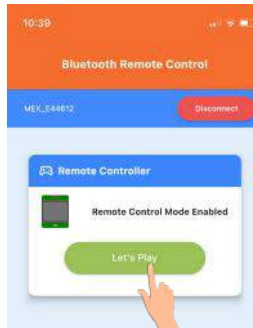
- ③ Open the Avishkaar App and click on the 'Play' button inside the 'Home' section.



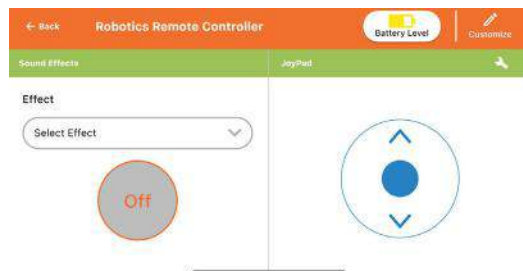
- ④ Click on 'Connect'. Your app should be able to find your MEXcore if it is turned ON. Click on 'Connect' once your app detects your MEXcore.



- ⑤ Click on 'Let's Play' and select 'MEX Robotics Starter kit' in the kit selection menu.



- ⑥ The remote control screen will open up which will allow you to control the LEDs motor and sound of your Tusker. Have fun!

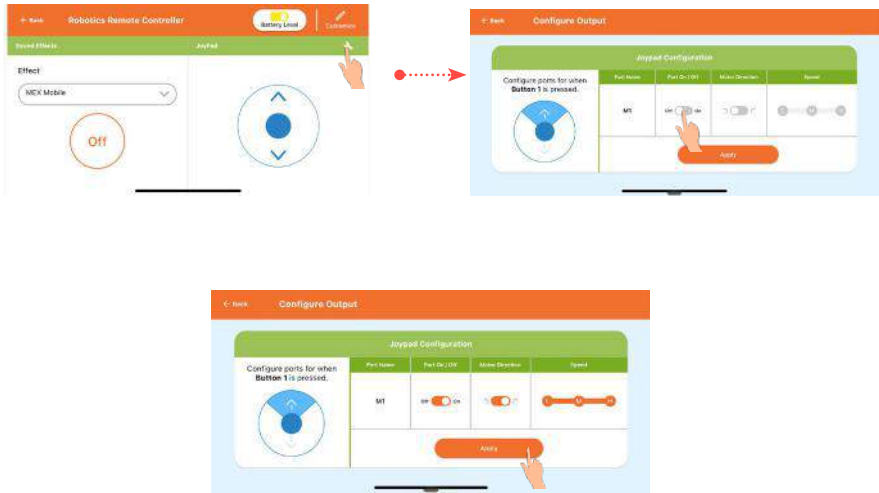


Configure

Sound effects



Joystick



Armour Check

Box 1 (Electronics)



Avishkaar
MEXCore
x 1



MEX big DC
motor
x 1

Box 2 (Construction parts)

BEAM



15H Beam
x 1



11H Beam
x 2



9H Beam
x 6



7H Beam
x 5

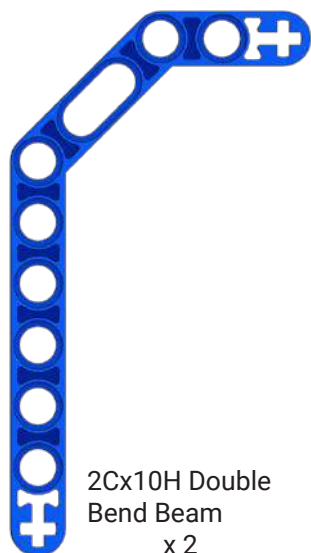


5H Beam
x 4

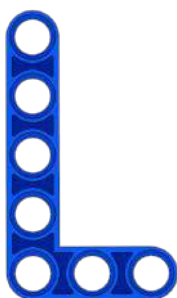


3H Beam
x 10

Note: 'H' stands for holes. Eg. 15H beam means beam with 15 holes.



2Cx10H Double
Bend Beam
x 2



7H L-Beam
x 4



1Cx4H L-Beam
x 6



5H T-Beam
x 4



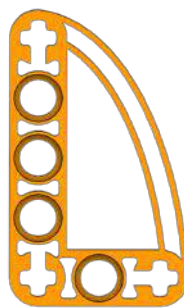
2Cx1H
Thin-Beam
x 2



1Cx1H Beam
x 2



3Cx2H Thin-D
x 2



3Cx4H Thin-D
x 2

PINS



Long Pin-Blue
x 12



Long Pin-Yellow
x 2



Medium Pin-Black
x 26



Medium Pin-Grey
x 4



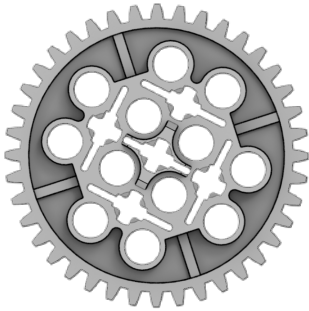
Medium Axle
Pin-Blue
x 4



Short Pin-Yellow
x 2

Note: 'Note: 'C' stands for 'Cross'. Eg - '1CX4H L-Beam' has one cross and four holes.

GEAR



Spur Gear-40T
x 1

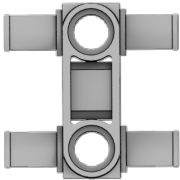


Spur Gear-8T
x 2



Worm Gear-Big
x 1

CONNECTORS



3Hx4 Pin
Connector
x 2

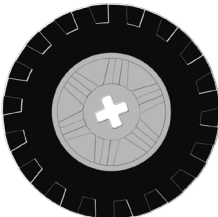


Axle Filler- Big
x 14



Axle Filler- Small
x 6

WHEEL



Wheel
x 4

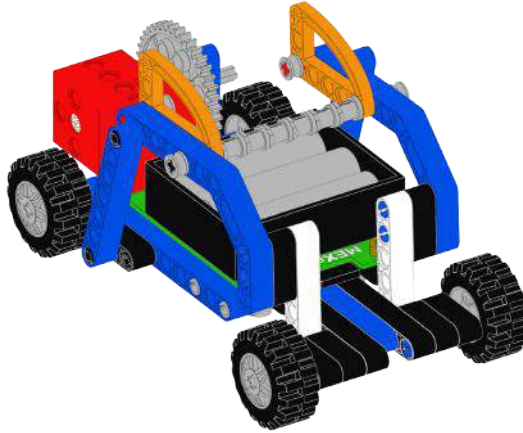
All About Axles

Note: 'H' in the axle name stands for the beam it's height is equal to. Eg - 5H Axle is equal in height to 5H Beam

| | | | |
|---|---|------|-----|
|  | 2H | Axle | (2) |
| | 3H | Axle | (2) |
| | 5H | Axle | (1) |
| | 5H capped Axle | (2) | |
| | 6H | Axle | (1) |
| | 7H | Axle | (1) |
| | 8H | Axle | (1) |
| | 10H | Axle | (2) |
| | 11H | Axle | (2) |
| |  | | |
| | 11 th Hole | | |
| 10 th Hole | | | |
| 9 th Hole | | | |
| 8 th Hole | | | |
| 7 th Hole | | | |
| 6 th Hole | | | |
| 5 th Hole | | | |
| 4 th Hole | | | |
| 3 rd Hole | | | |
| 2 nd Hole | | | |
| 1 st Hole | | | |

Project : MEX mobile

Let's Build!



Things we need



11H Beam
x 2



7H Beam
x 3



9H Beam
x 2



5H Beam
x 2



7H L-Beam
x 2



3H Beam
x 10



2Cx10H
Double Bend
Beam
x 2



3Cx4H Thin-D
x 2



Spur Gear 40T
x 1



Spur Gear-8T
x 1



3Hx4Pin
Connector
x 2



Axle Filler-Big
x 10



Axle Filler-
Small
x 4



2H Axle
x 2



5H Axle
x 1



11H Axle
x 2



10H Axle
x 1



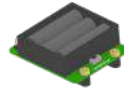
Long Pin-Blue
x 12



Medium
Pin-Black
x18



Wheel
x 4



Avishkaar
MEXCore
x 1



MEX big DC
motor
x 1

Build Tip



Long Blue Pins have two different sides!

One side can enter two beams simultaneously while one side can only enter one. Be careful of which side needs to be inserted in any given step.

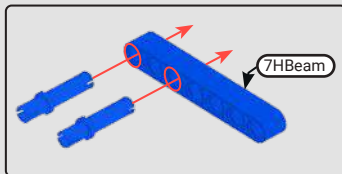


1

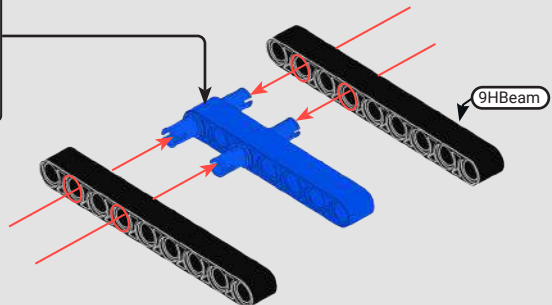
1:1



Long Pin Blue



7H Beam



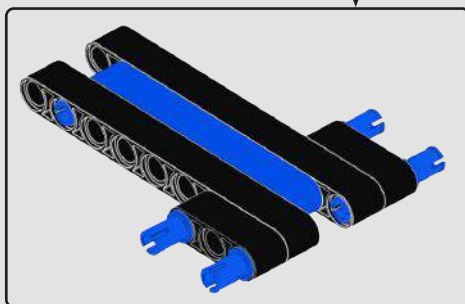
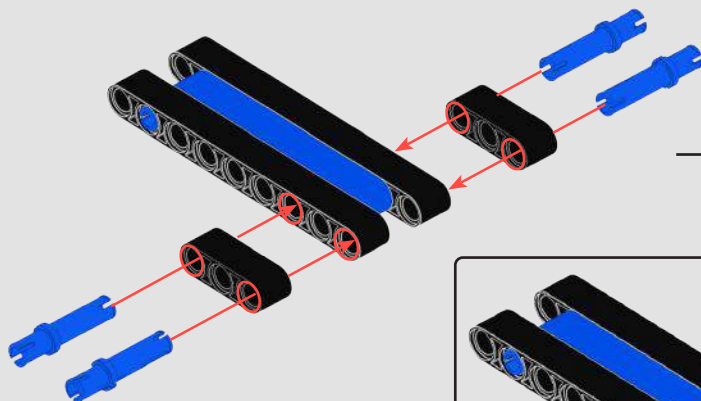
9H Beam

2

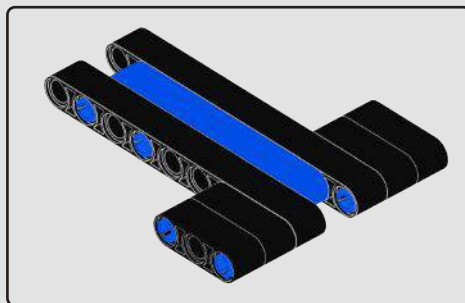
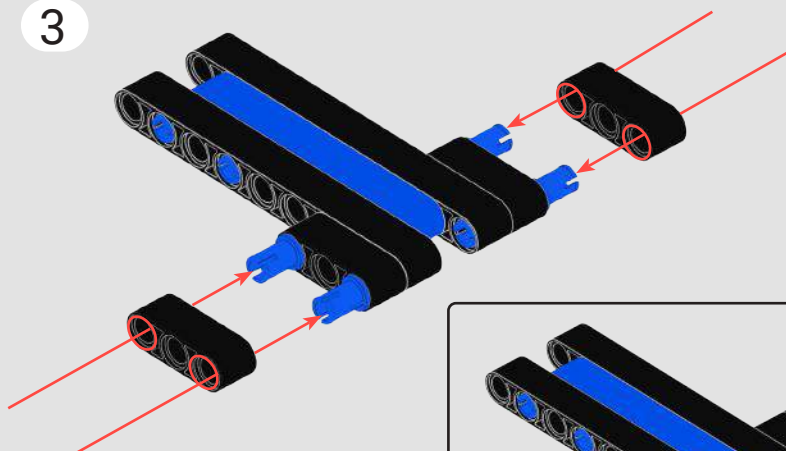
1:1



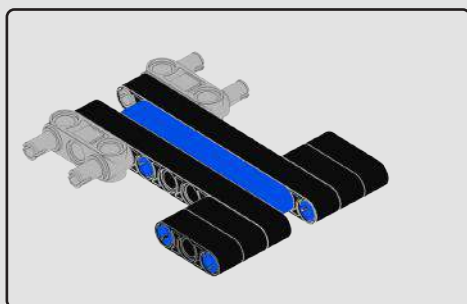
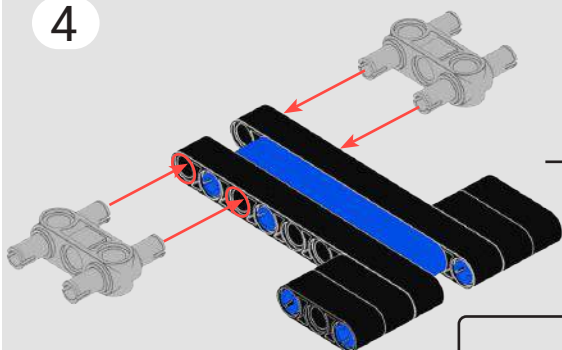
Long Pin Blue



3



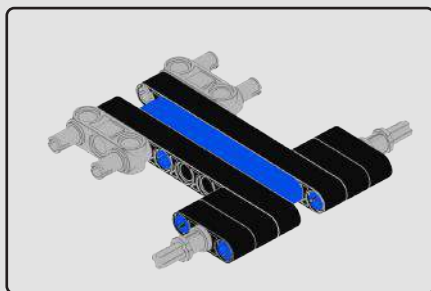
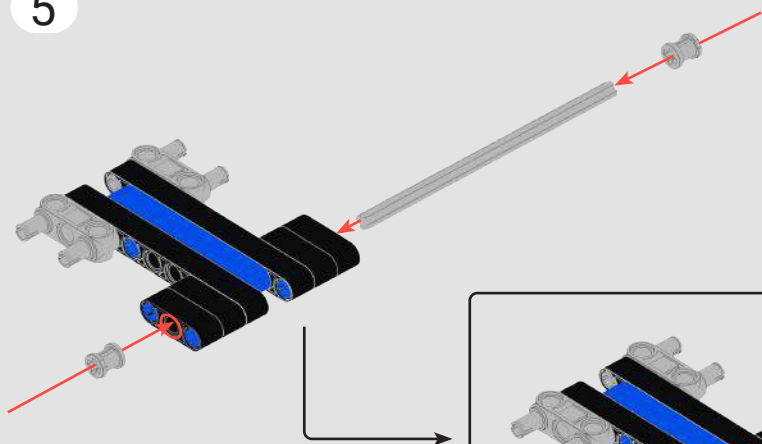
4



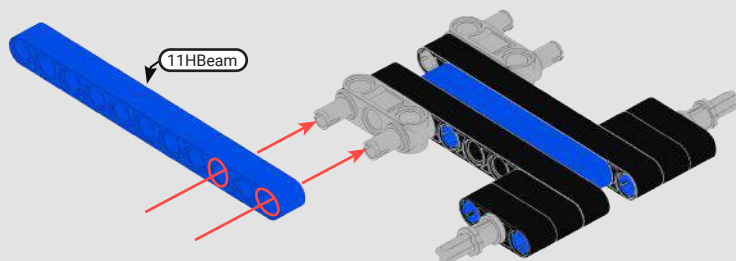
1:1

11H Axle

5



6



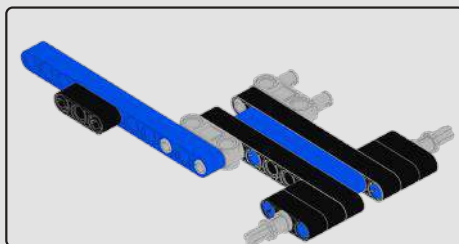
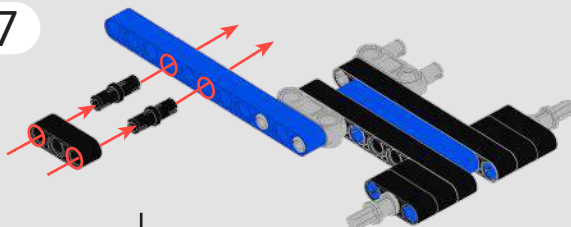
Build Tip



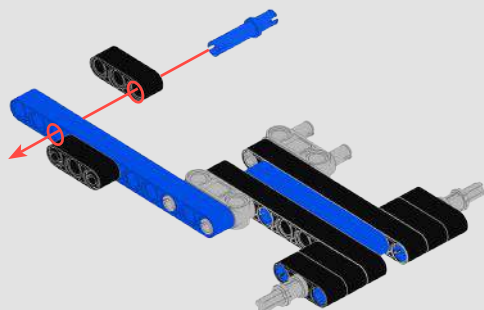
Black Medium Pins can be a little tough to insert!
But don't worry. Push it through and make sure the joint is firm. They can take a little force. :)



7



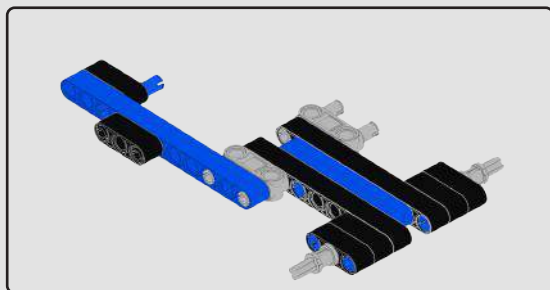
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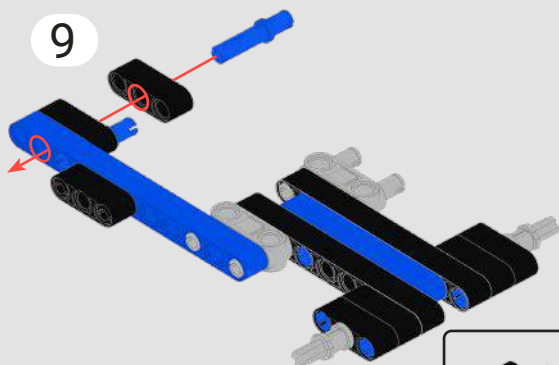
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Long Pin Blue



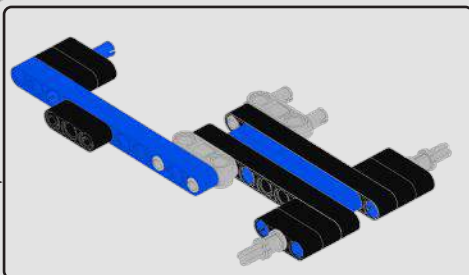
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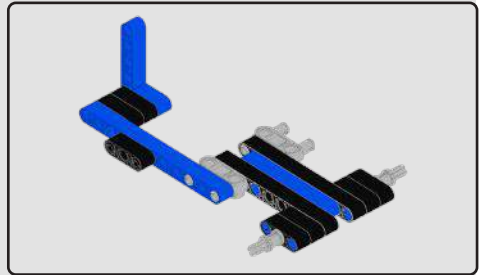
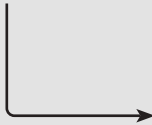
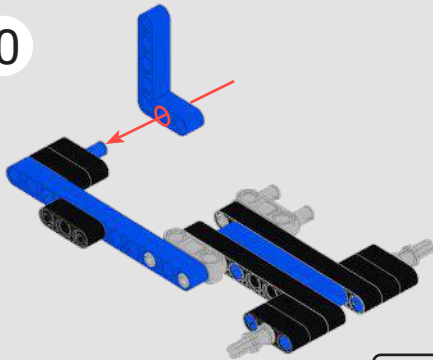
1:1



Long Pin Blue



10

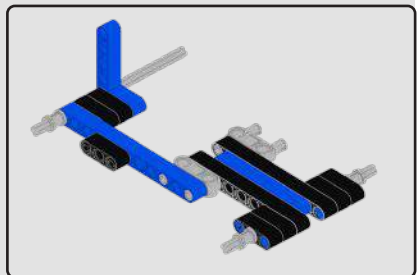
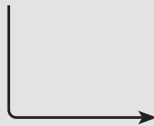
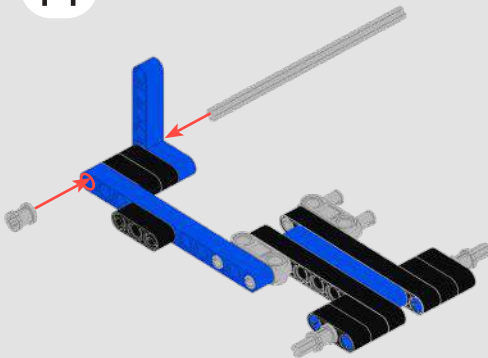


11

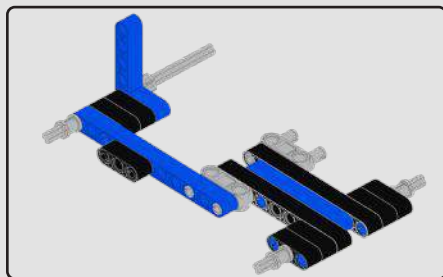
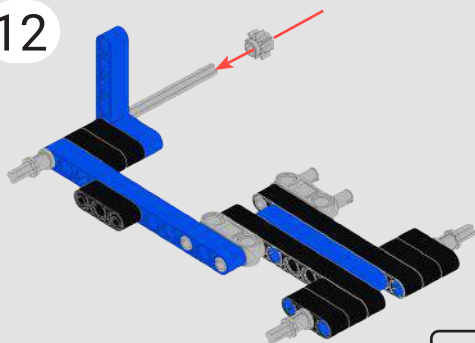
(1:1)



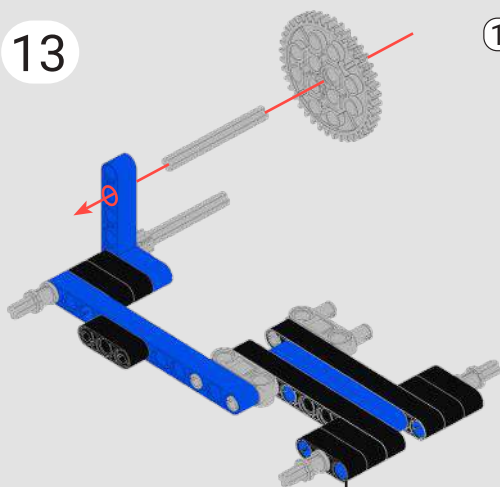
11H Axle



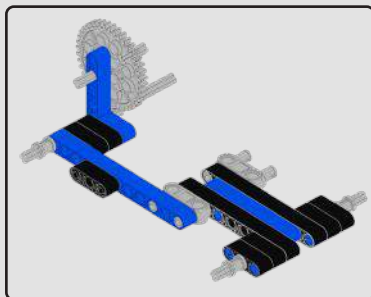
12



13

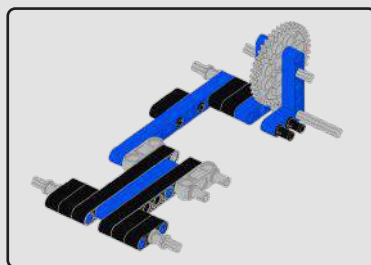
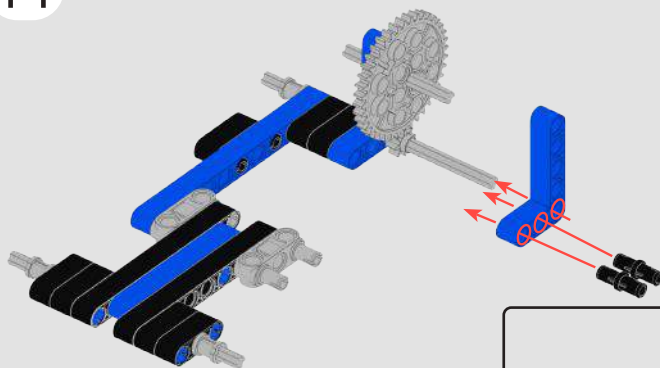


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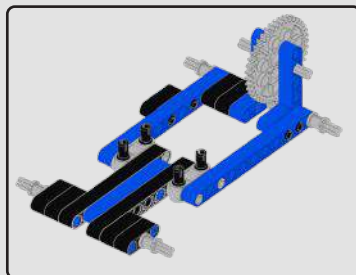
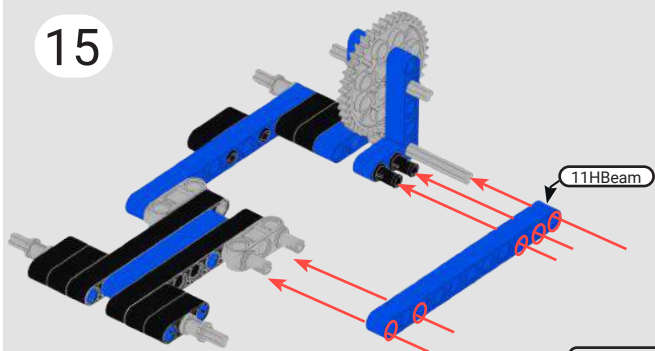


14

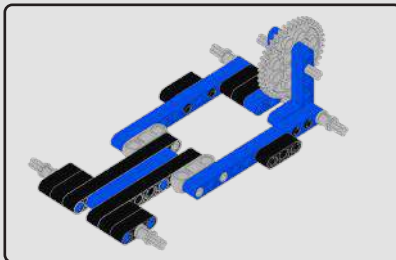
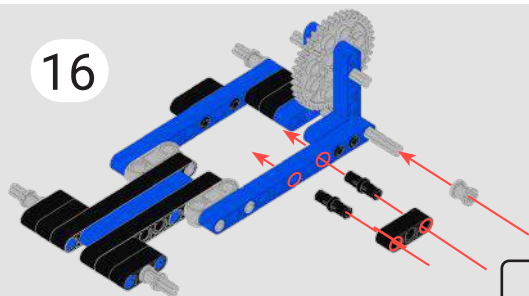
Top front right view



15



16

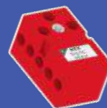


Build Tip



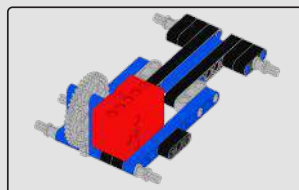
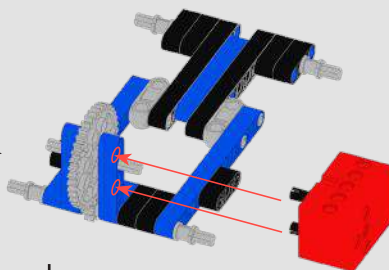
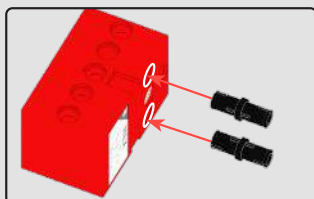
Black Medium Pins can only be inserted on one side of the motor!

The black pins can only be inserted on the side of the motor with the white sticker. On the other side with no sticker - only small yellow pins can be used.



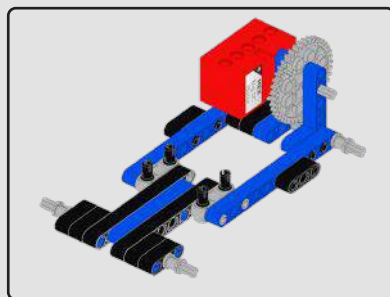
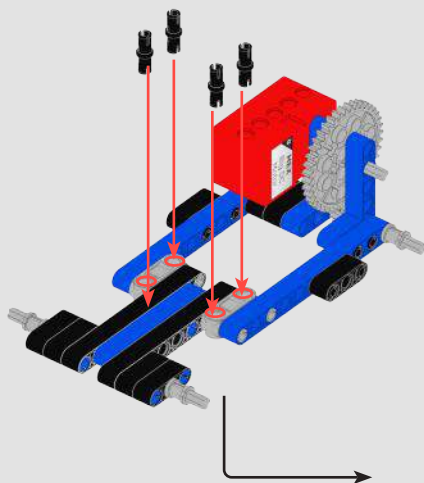
17

Top rear left view

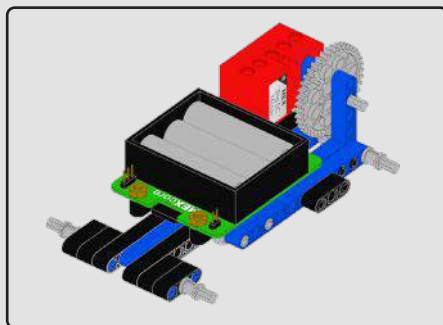
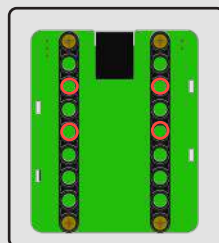
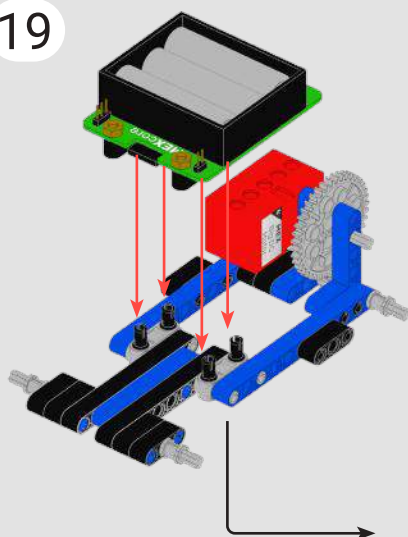


18

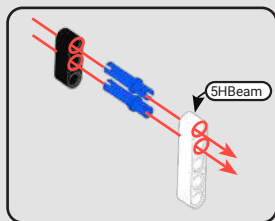
Top front right view



19



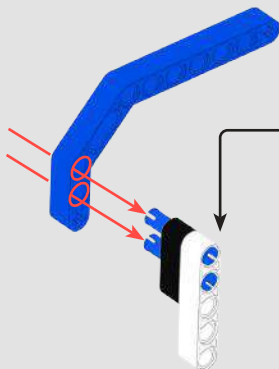
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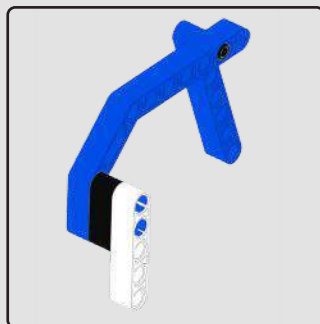
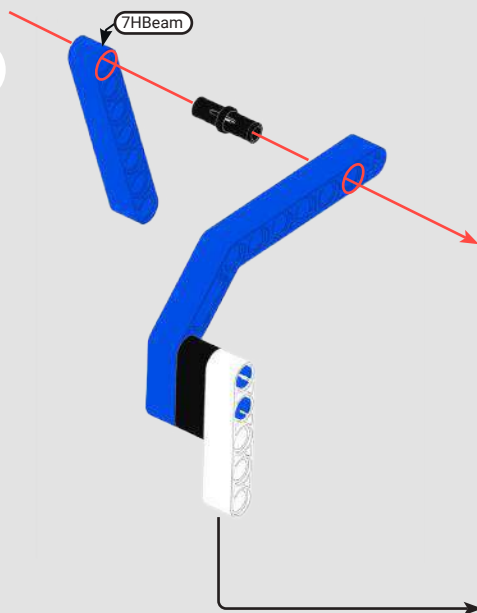
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Long Pin Blue



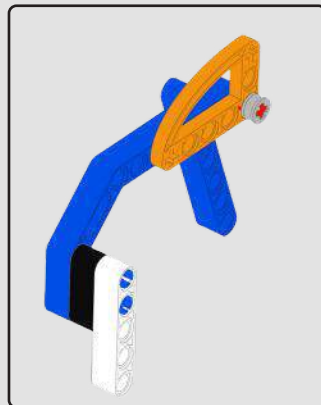
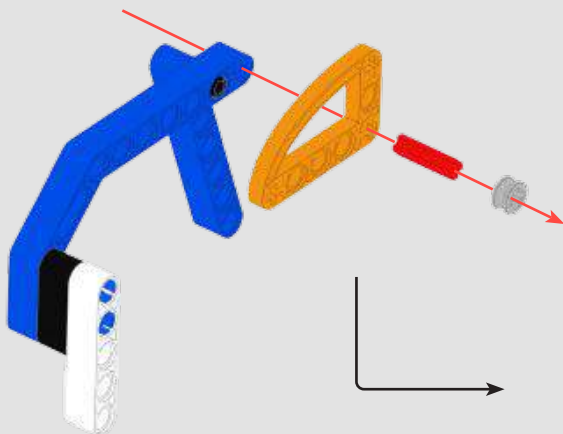
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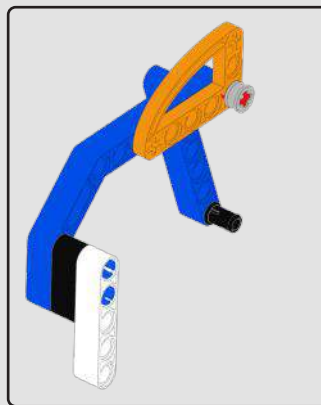
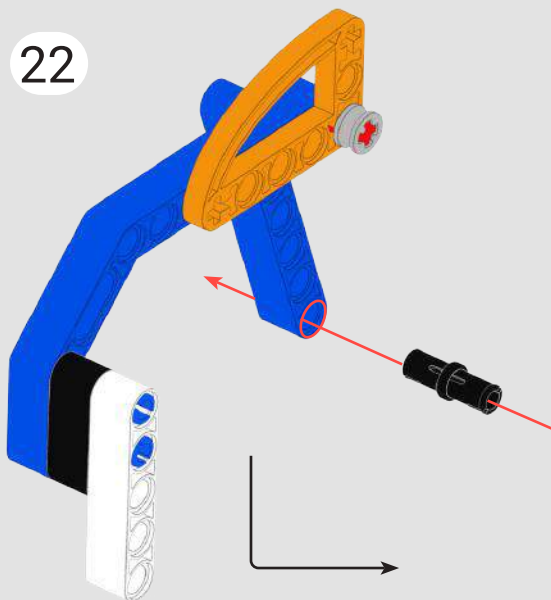
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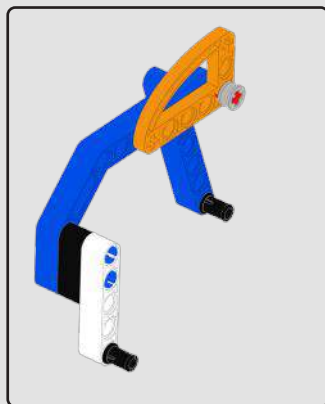
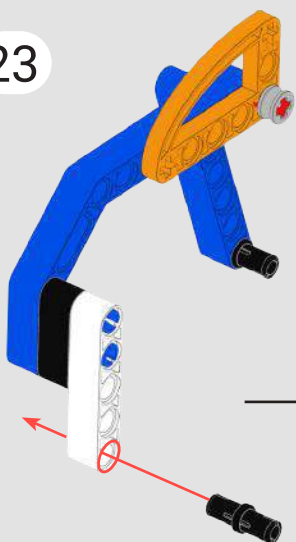
2H Axle



22



23



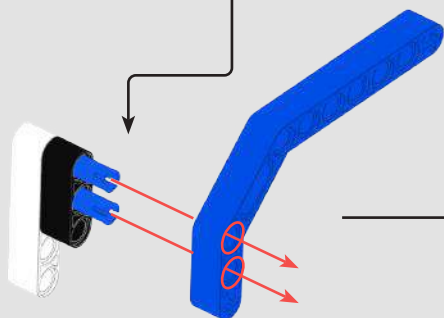
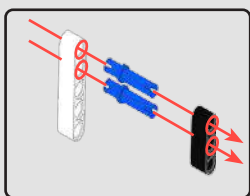
Lets make mirror side.

24

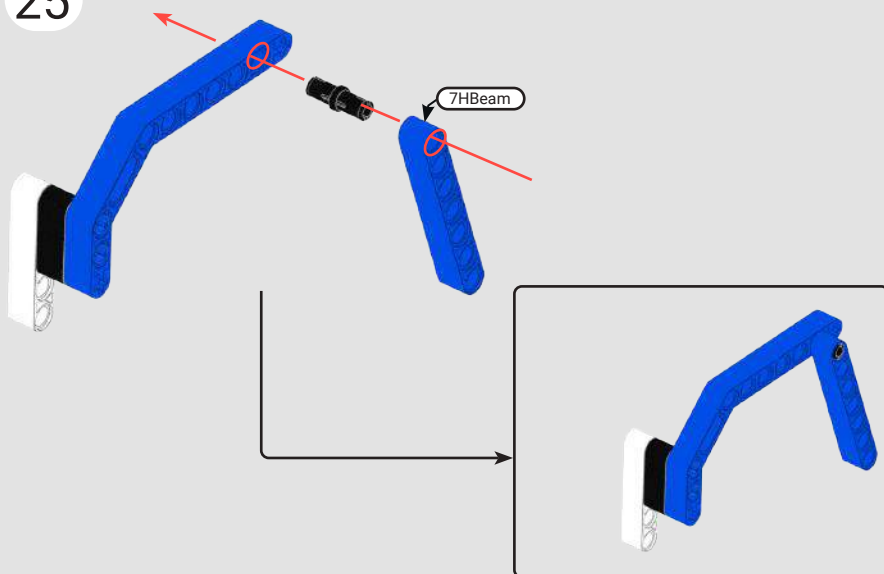
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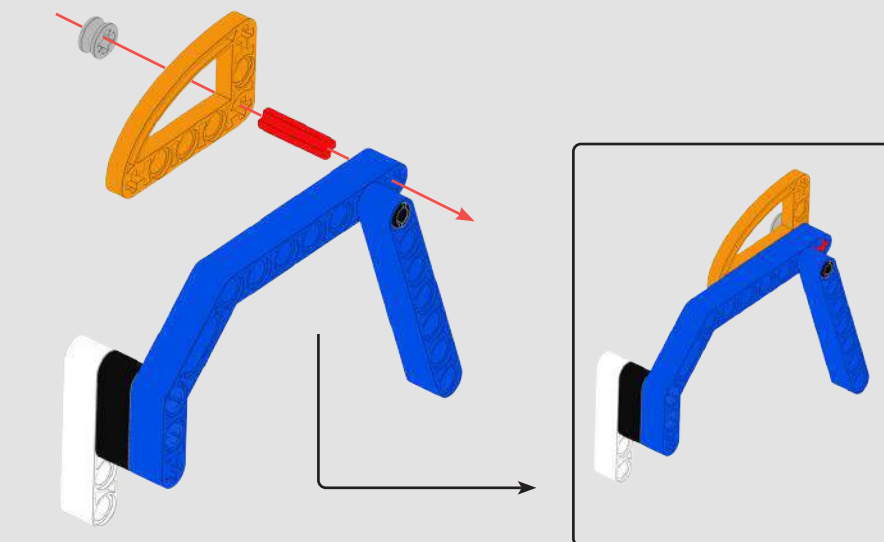
Long Pin Blue



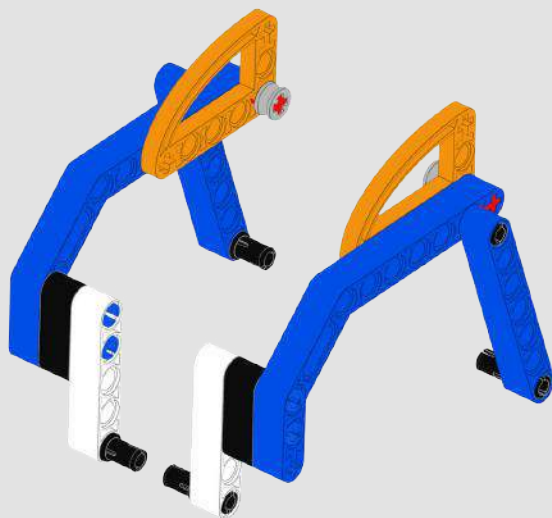
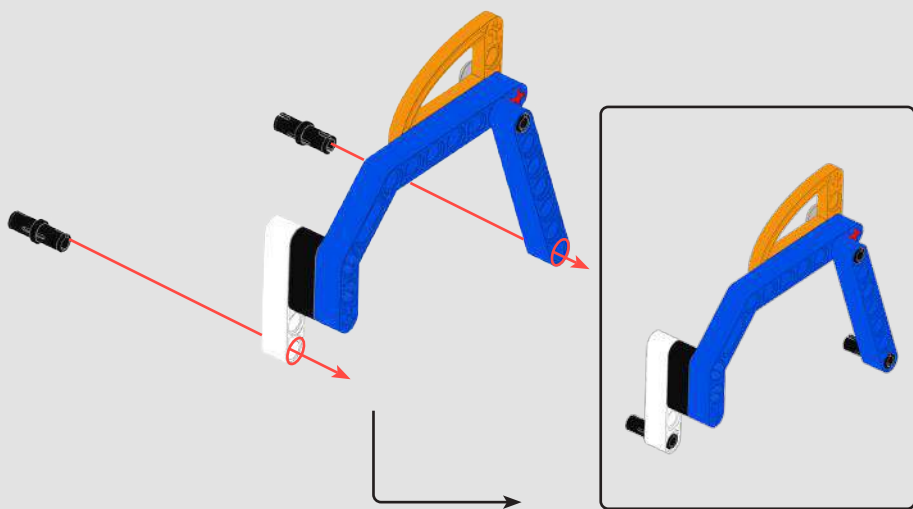
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26



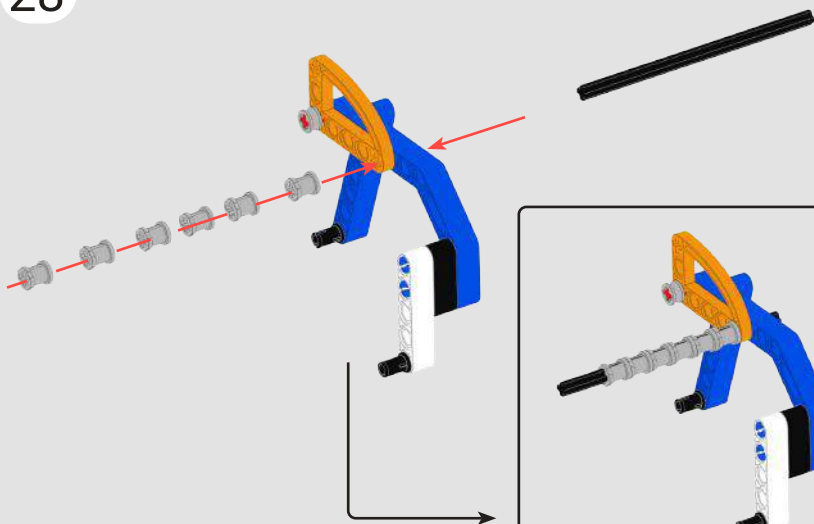
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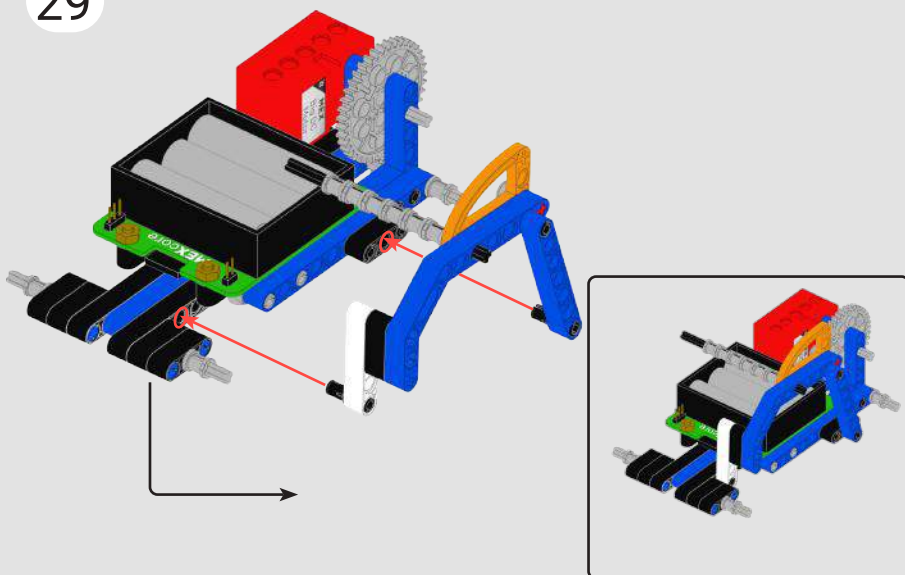
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1:1

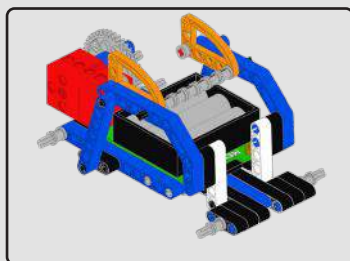
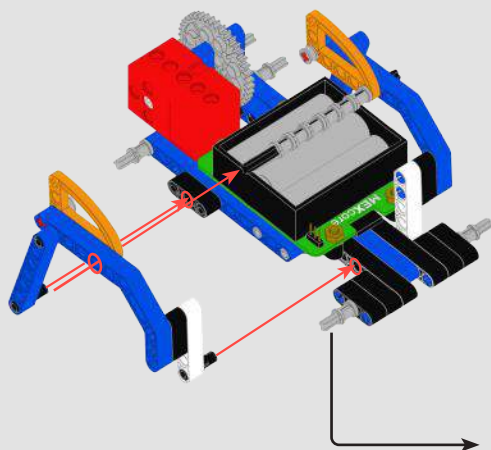
10H Axle



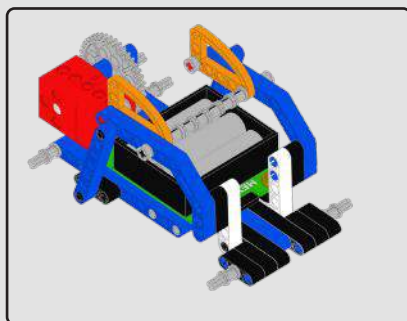
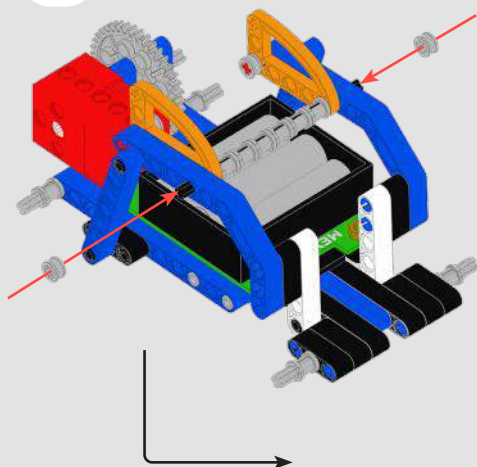
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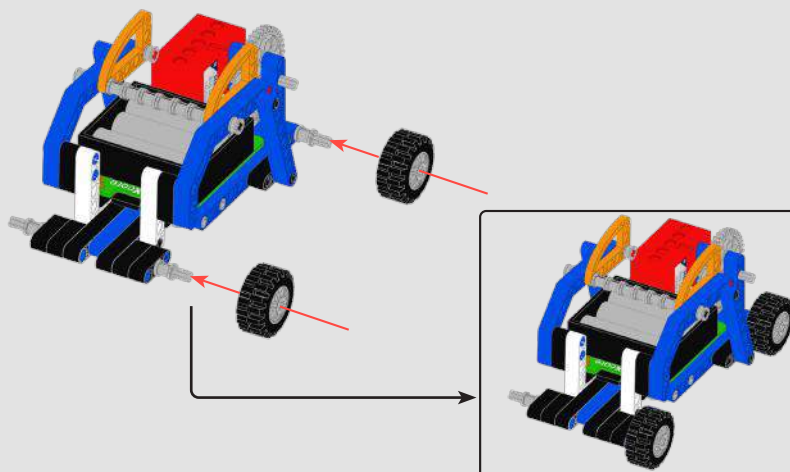
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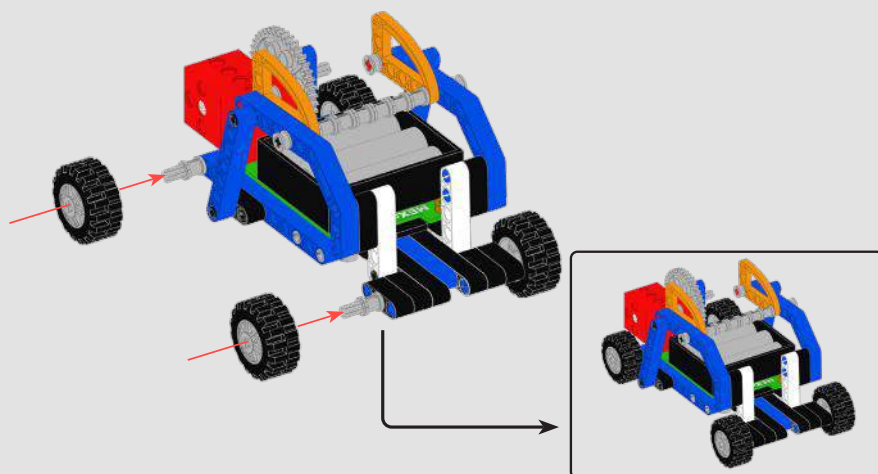
31



32



33



Congratulations on Completing this Project!

Excited to play with it using the avishkaar mobile app?

Go to Pg 8 about the detailed instructions on how to download the app and control your bot using it.

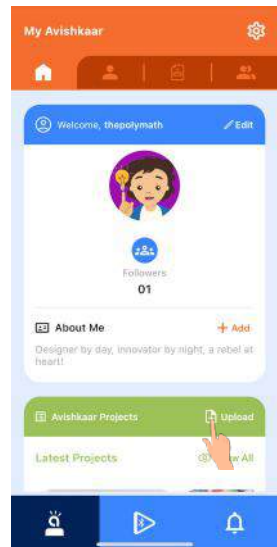
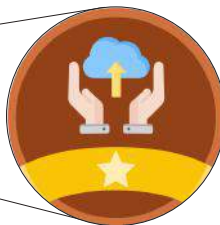


Share your Creation with the World and Win the 'Scratch the Surface' Level 1 Badge

Upload photos or videos of your project using the project section of the Avishkaar App to win the 'Scratch the Surface' Level 1 Badge.

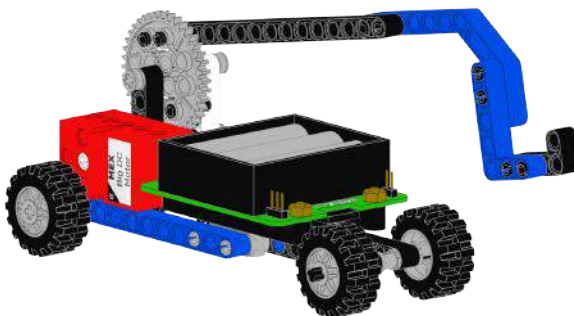
See all your collected badges in the achievement section of your profile on www.avishkaar.cc.

Explore all other badges to be collected and win them all!



Project 2: Crane

Let's Build!



Things we need



15H Beam
x 1



11H Beam
x 2



9H Beam
x 2



5H Beam
x 1



3H Beam
x 6



5H T-Beam
x 2



2Cx10H
Double Bend
Beam
x 1



7H L-Beam
x 1



1Cx4H L-Beam
x 1



Spur Gear40T
x 1



Spur Gear-8T
x 1



3Hx4Pin
Connector
x 2



Axle Filler-Big
x 5



Axle
Filler-Small
x 3



5H Axle
x 1



11H Axle
x 1



6H Axle
x 1



8H Axle
x 1



Short
Pin-Yellow
x 2



Long Pin-Blue
x 5



Medium
Pin-Black
x 16



Wheel
x 4



MEX big DC
motor
x 1



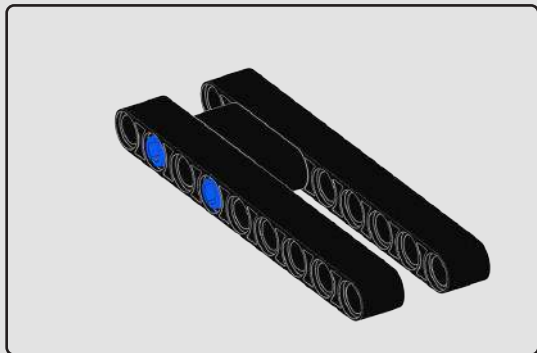
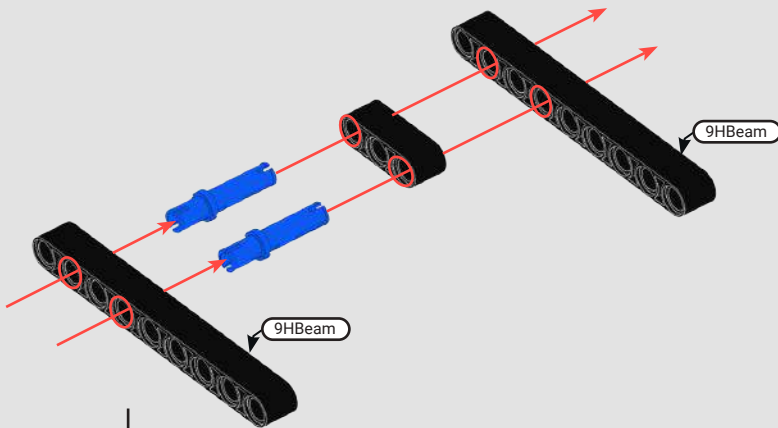
Avishkaar
MEXCore
x 1

1

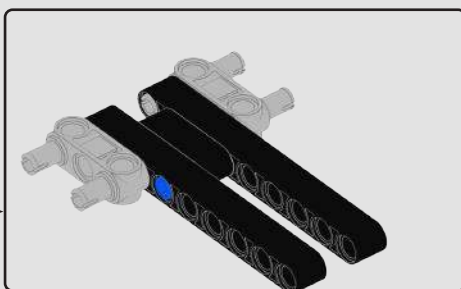
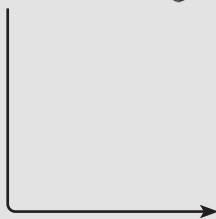
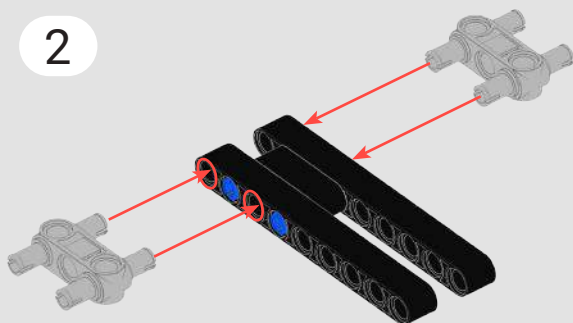
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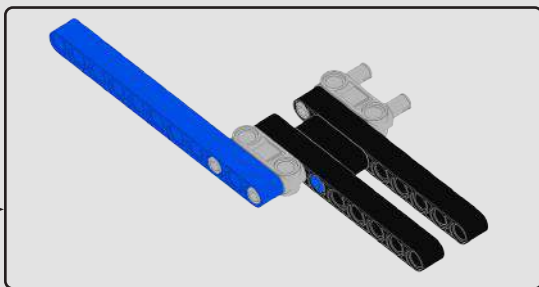
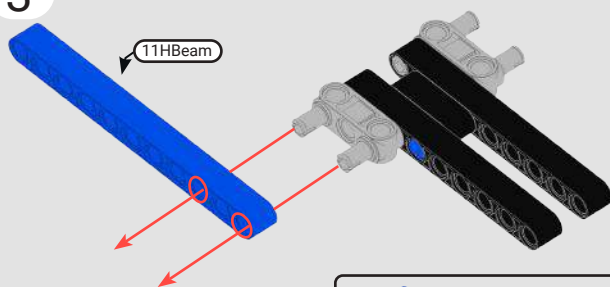
Long Pin Blue



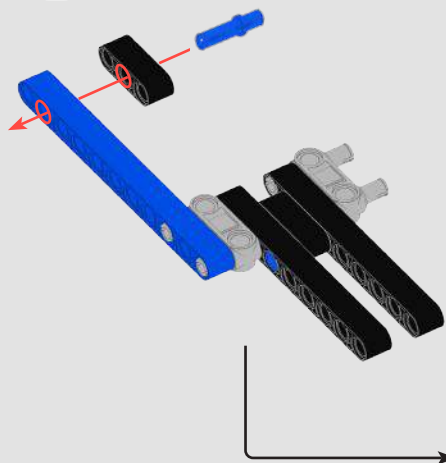
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3



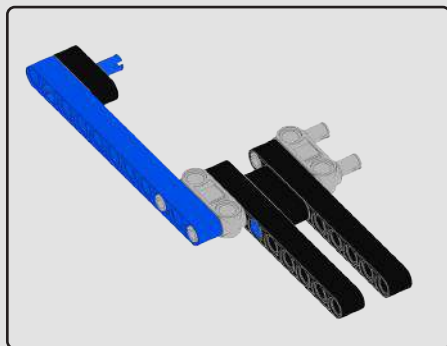
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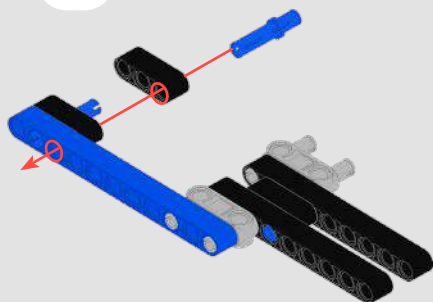
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Long Pin Blue



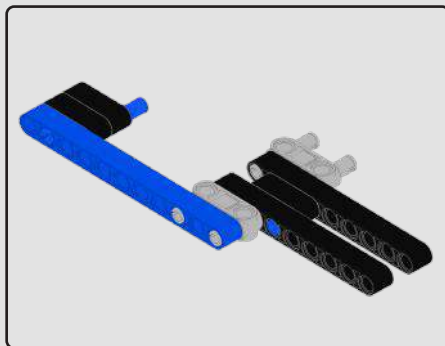
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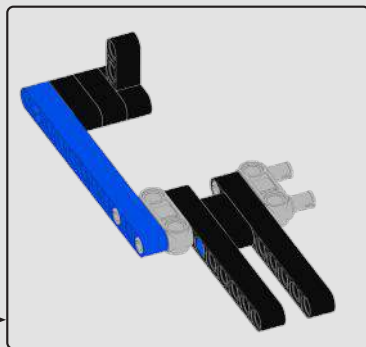
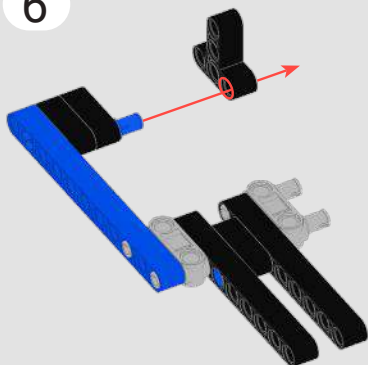
1:1



Long Pin Blue



6



Build Tip

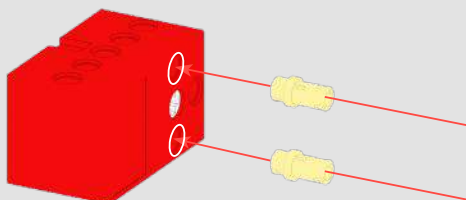


Short Yellow Pins can be a little delicate!

Be careful while using them. They break easily. And they can also be hard to remove - take the help of a parent or an adult to remove them safely.



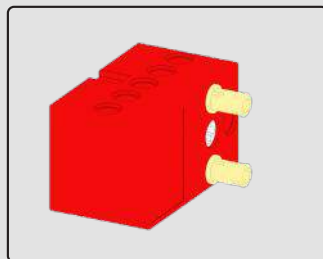
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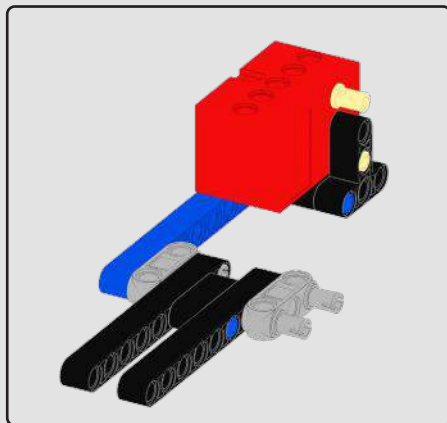
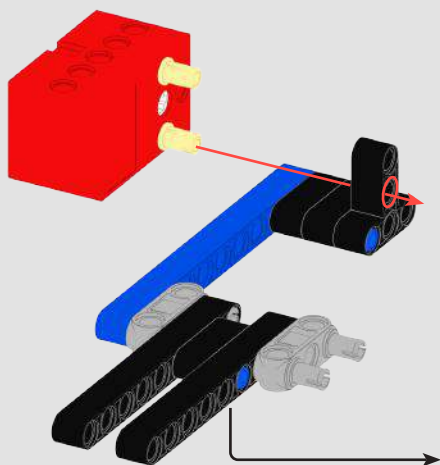
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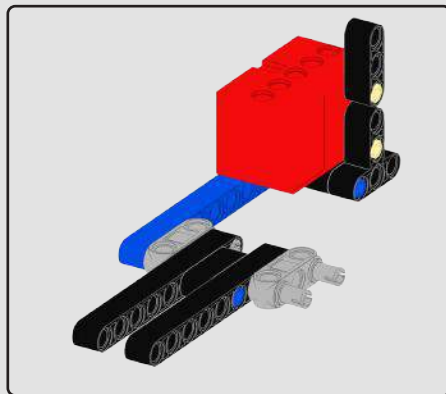
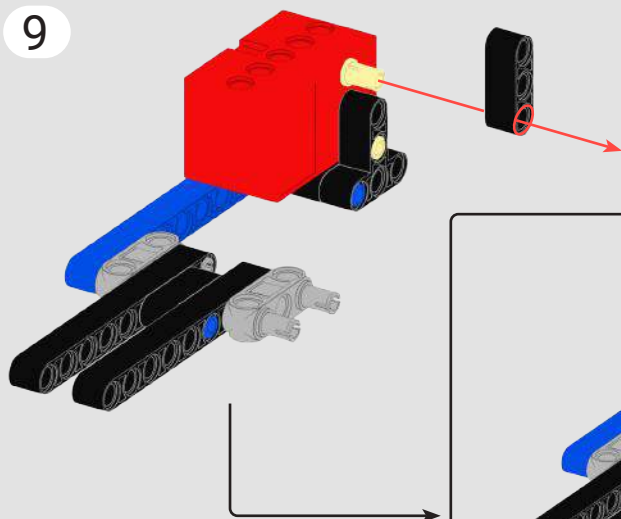
Short Pin Yellow



8



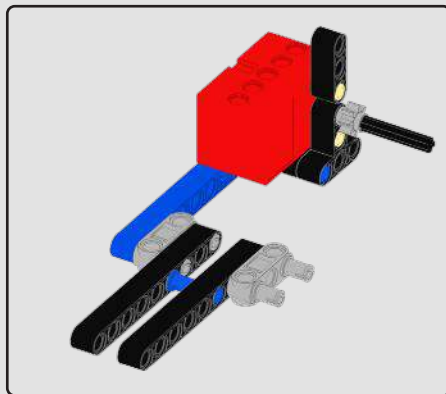
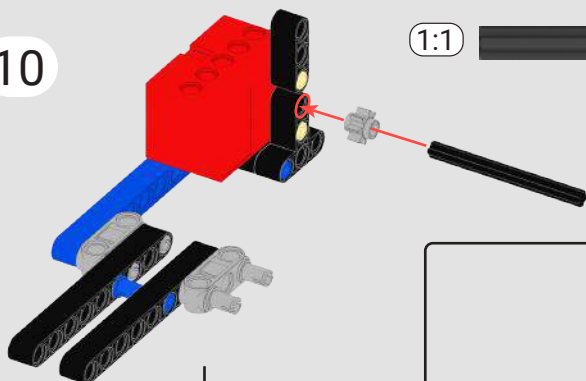
9



10

1:1

6H Axle

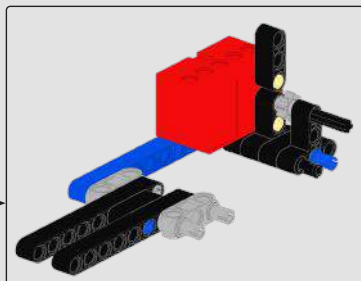
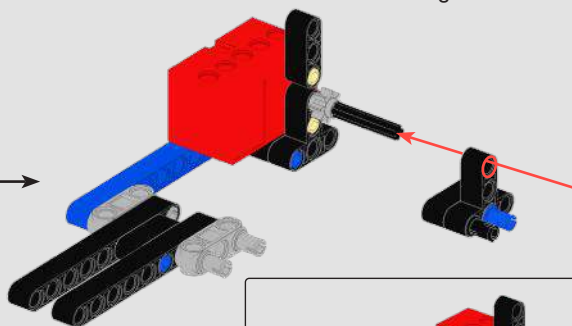
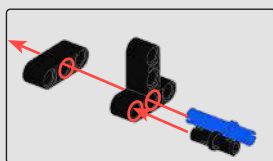


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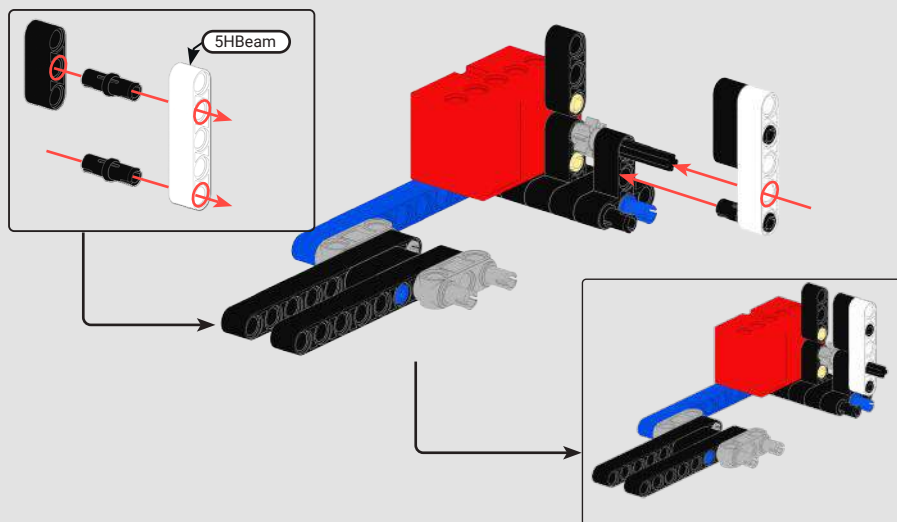
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Long Pin Blue



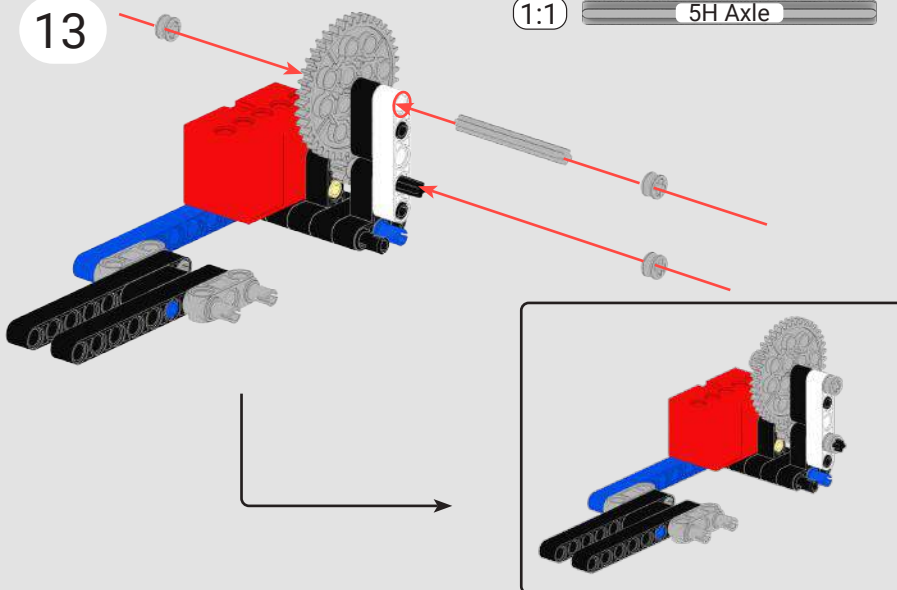
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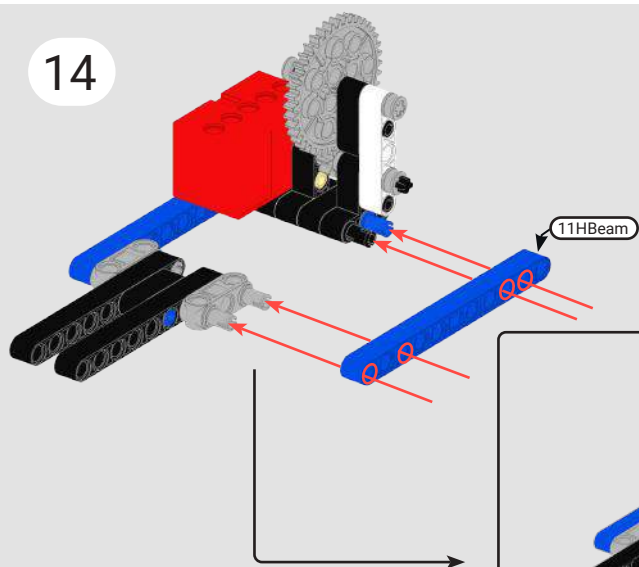
13

1:1

5H Axle



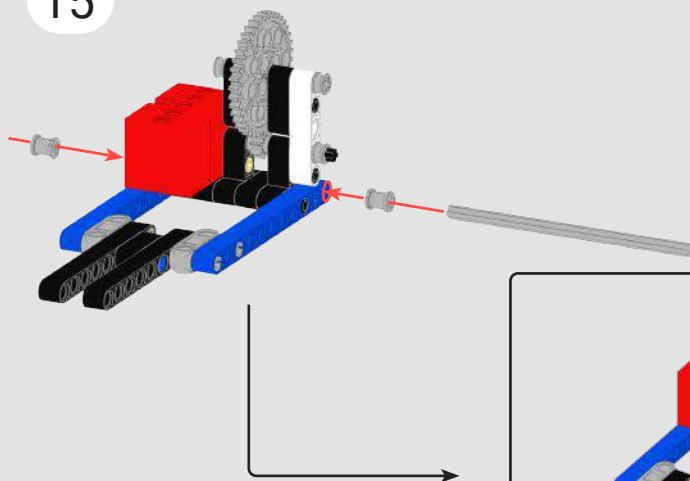
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15

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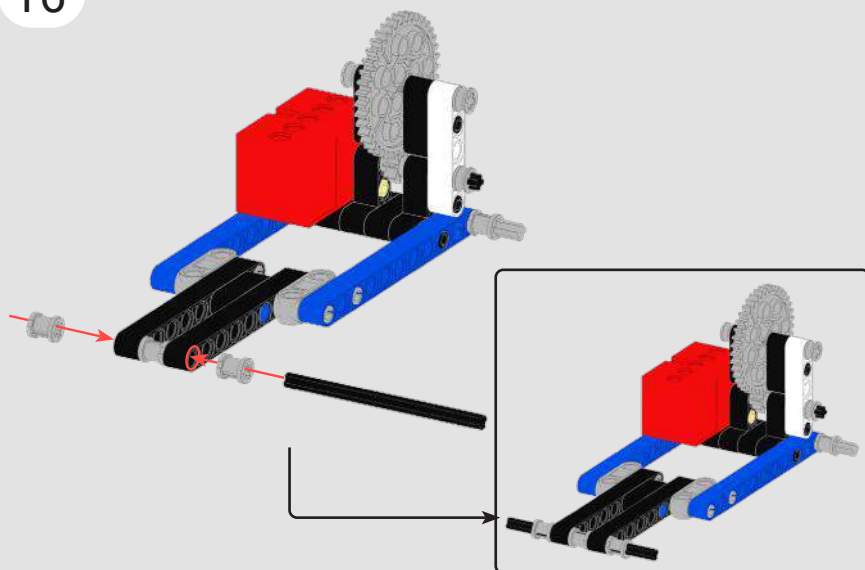
11H Axle



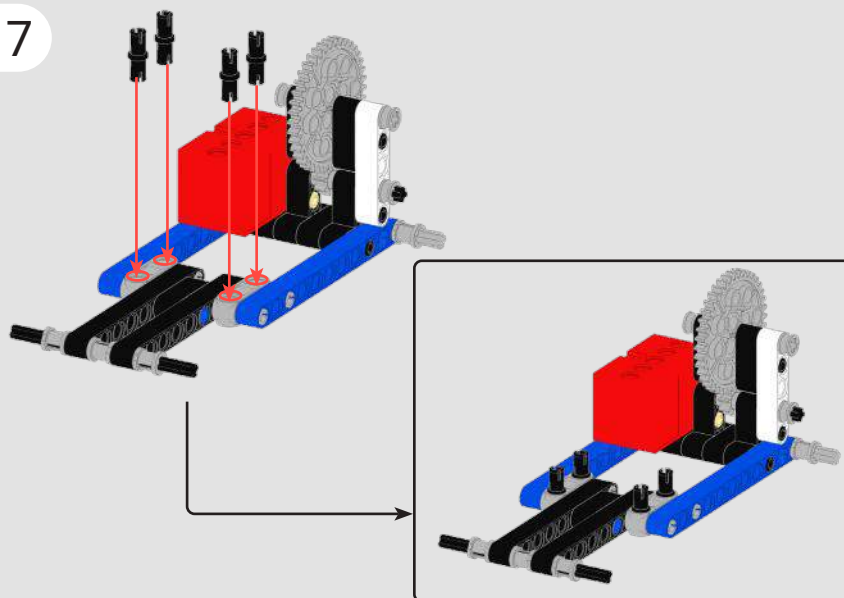
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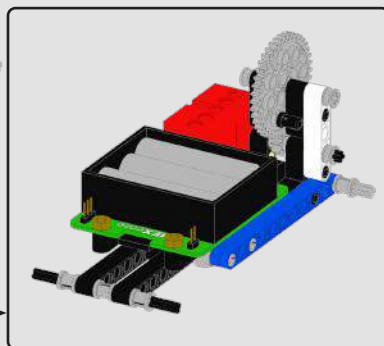
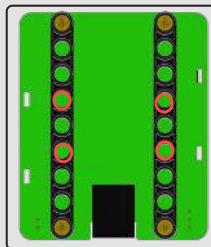
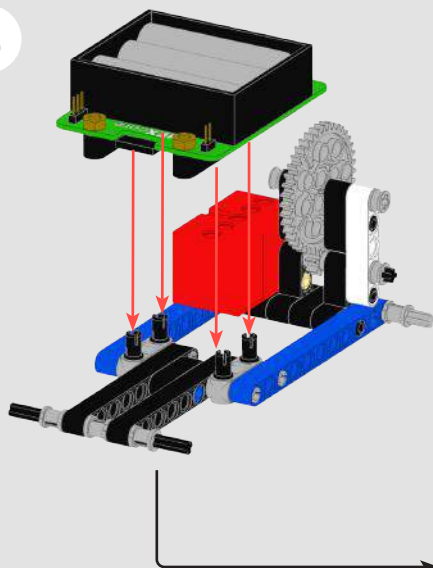
8H Axle



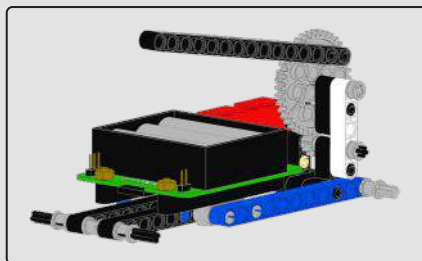
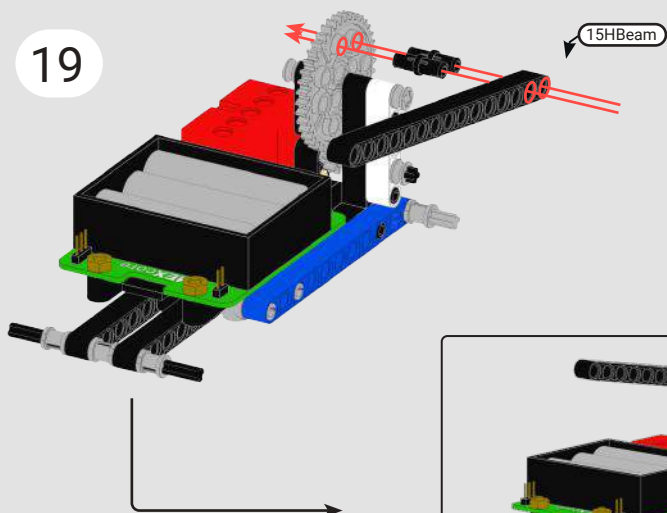
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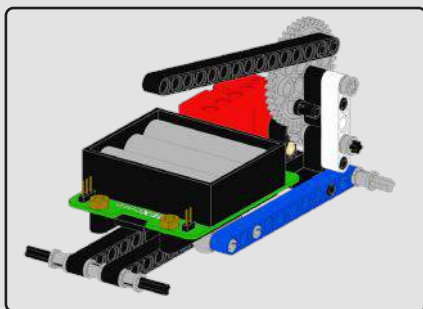
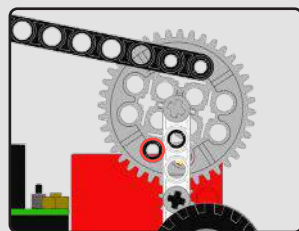
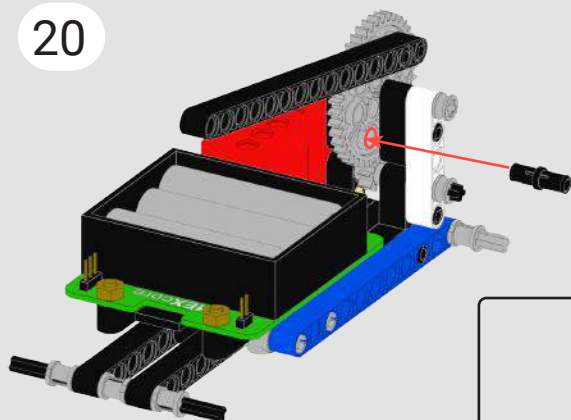
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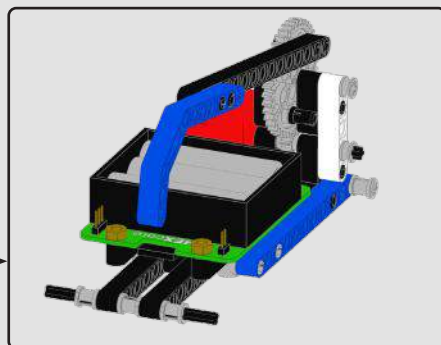
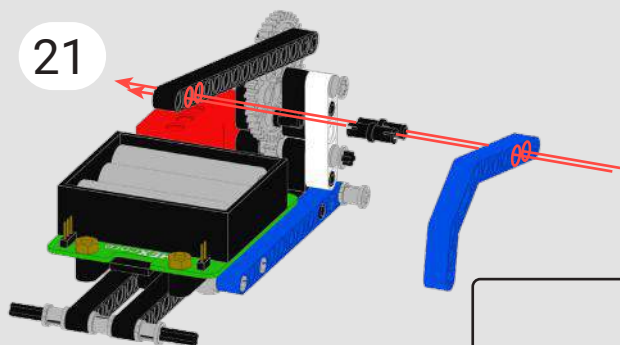
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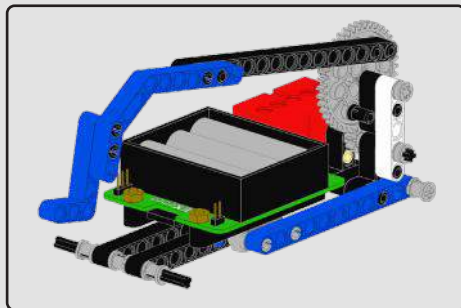
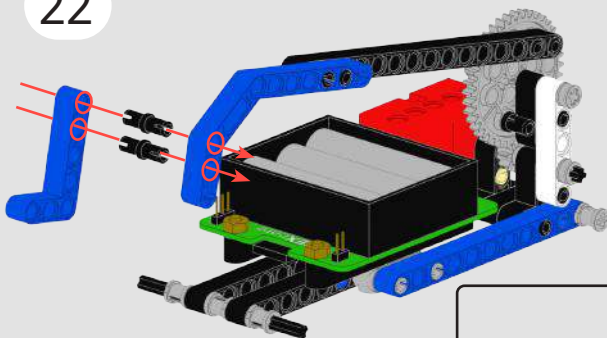
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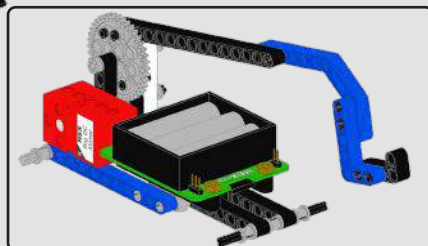
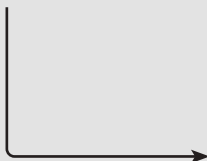
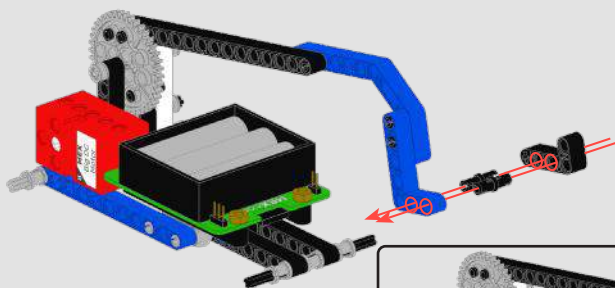
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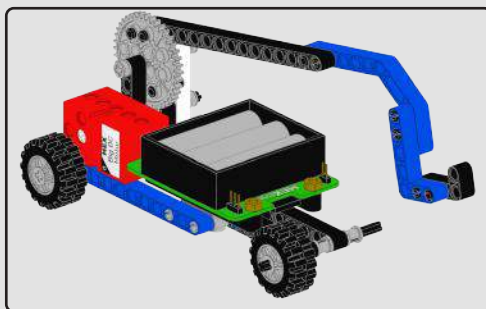
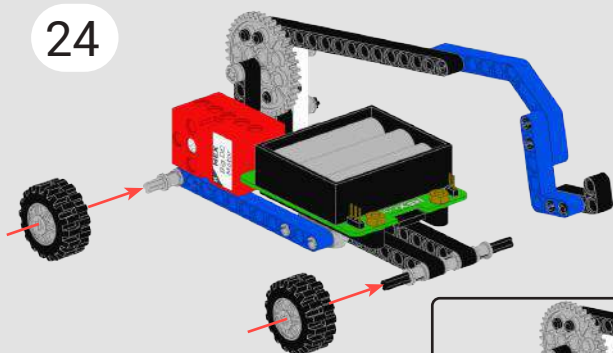
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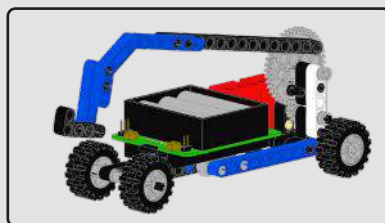
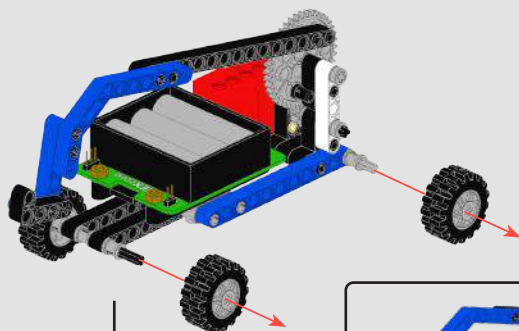
23



24



25



Congratulations on Completing this Project!

Excited to play with it using the avishkaar mobile app?

Go to Pg 8 about the detailed instructions on how to download the app and control your bot using it.

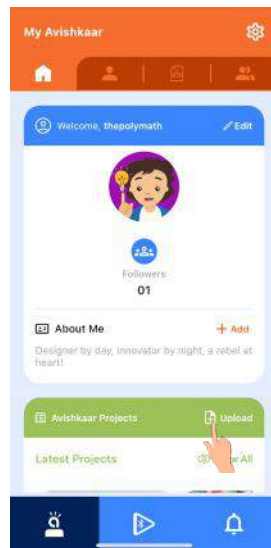


Share your Creation with the World and Win the 'Scratch the Surface' Level 2 Badge

Upload photos or videos of your project using the project section of the Avishkaar App to progress towards winning the 'Scratch the Surface' Level 2 Badge.

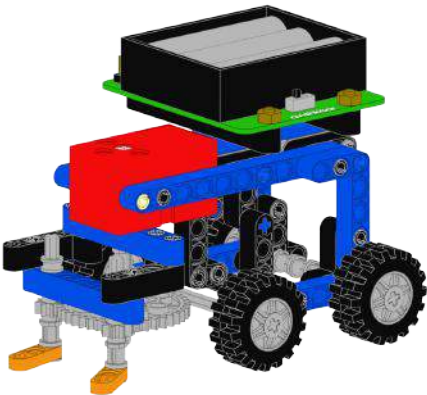
See all your collected badges in the achievement section of your profile on www.avishkaar.cc.

Explore all other badges to be collected and win them all!



Project 3: Snow Sweeper

Let's Build!



Things we need



11H Beam
x 2



7H Beam
x 4



3H Beam
x 2



7H L-Beam
x 2



5HT Beam
x 4



1Cx4H L-Beam
x 4



2Cx1H
Thin-Beam
x 2



Spur Gear 40T
x 1



Spur Gear-8T
x 2



3Hx4Pin
Connector
x 2



Axle Filler-Big
x 11



Axle Filler-
Small
x 3



5H Capped
Axle x 2



11H Axle
x 2



6H Axle
x 1



Short
Pin-Yellow
x 2



Long
Pin-Blue
x 5



Medium
Pin-Black
x 20



Medium Axle
Pin-Blue
x 2



Wheel
x 4

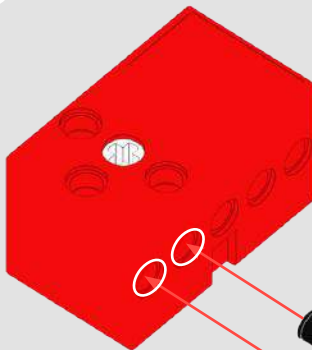


Avishkaar
MEXCore
x 1



MEX big DC
motor
x 1

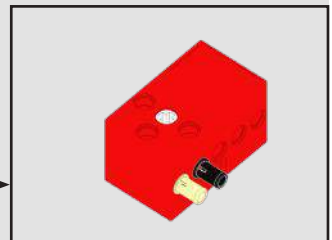
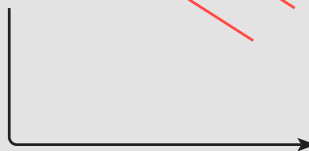
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1:1



Short Pin Yellow

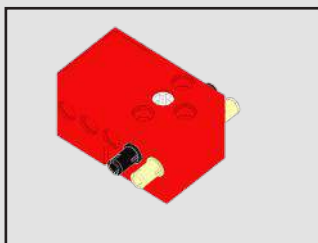
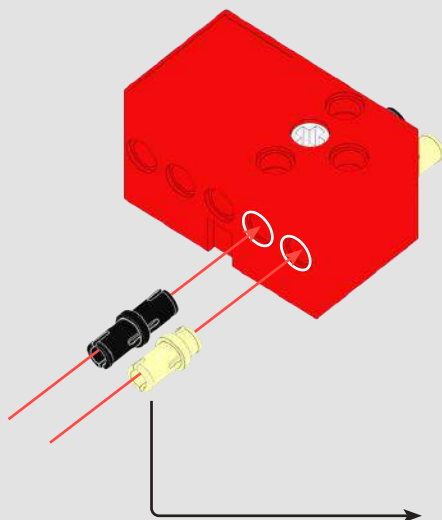


2

1:1



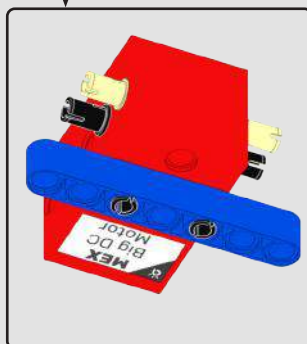
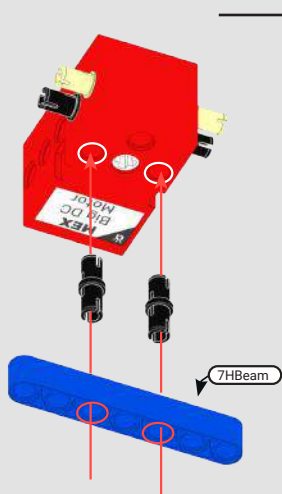
Short Pin Yellow



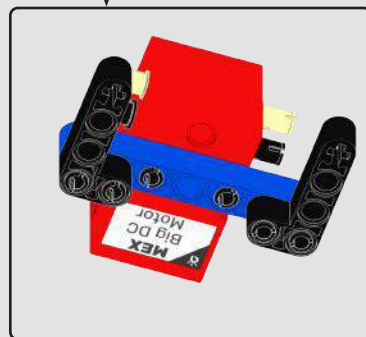
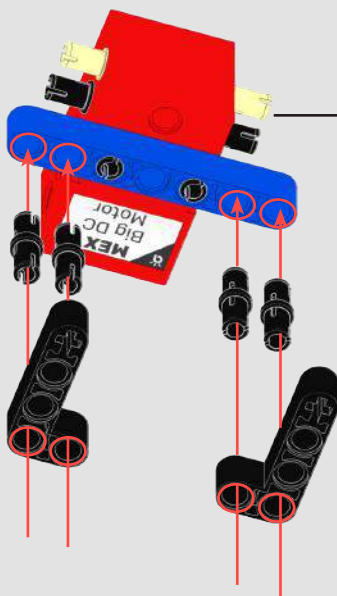
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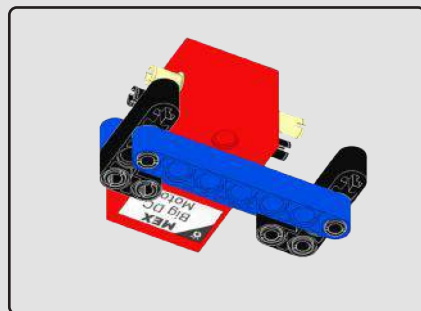
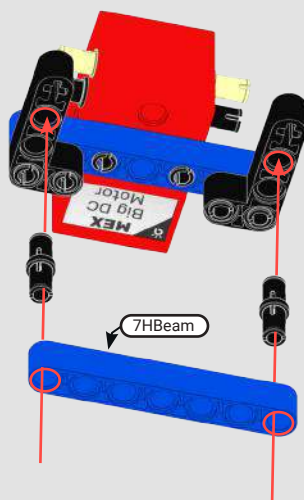
Bottom front right view



4



5

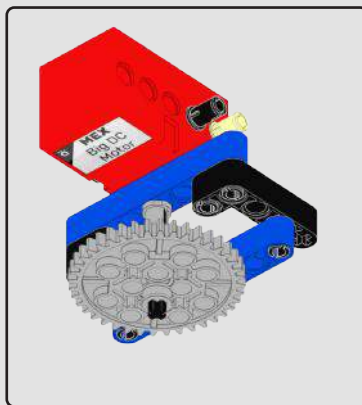
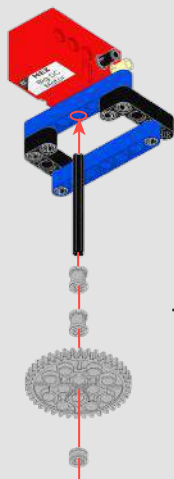


6

Bottom rear left view

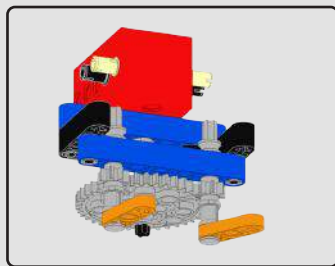
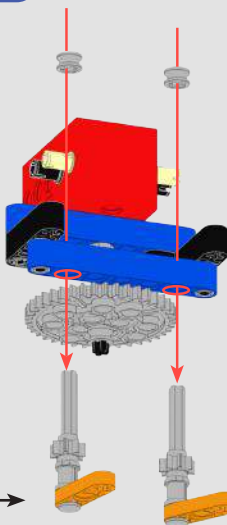
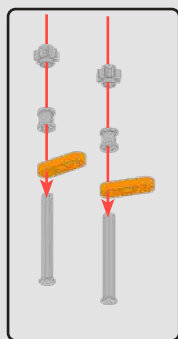
1:1

6H Axle



7

Bottom front left view

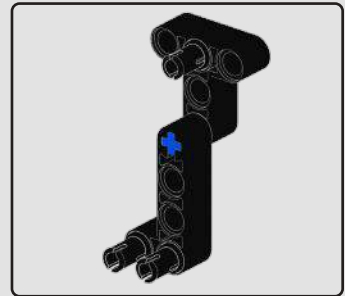
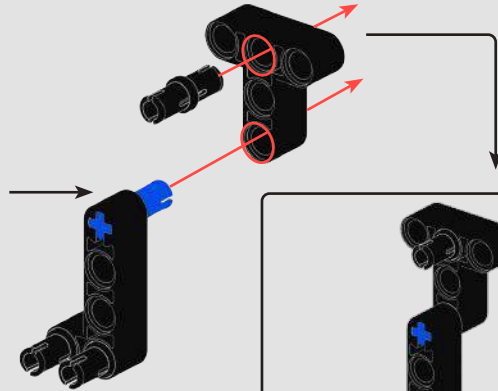
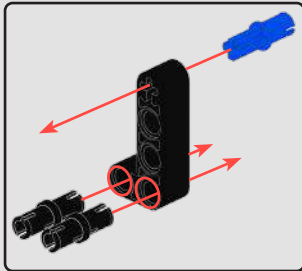


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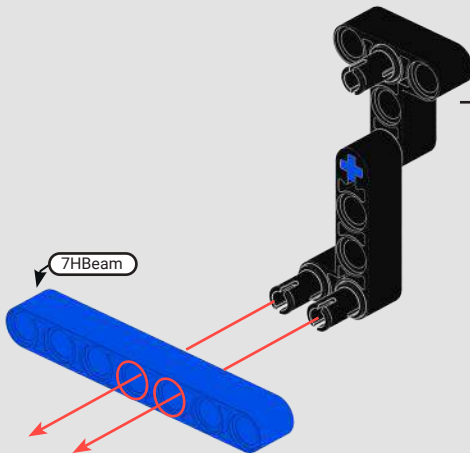
1:1



Medium Axle Pin Blue



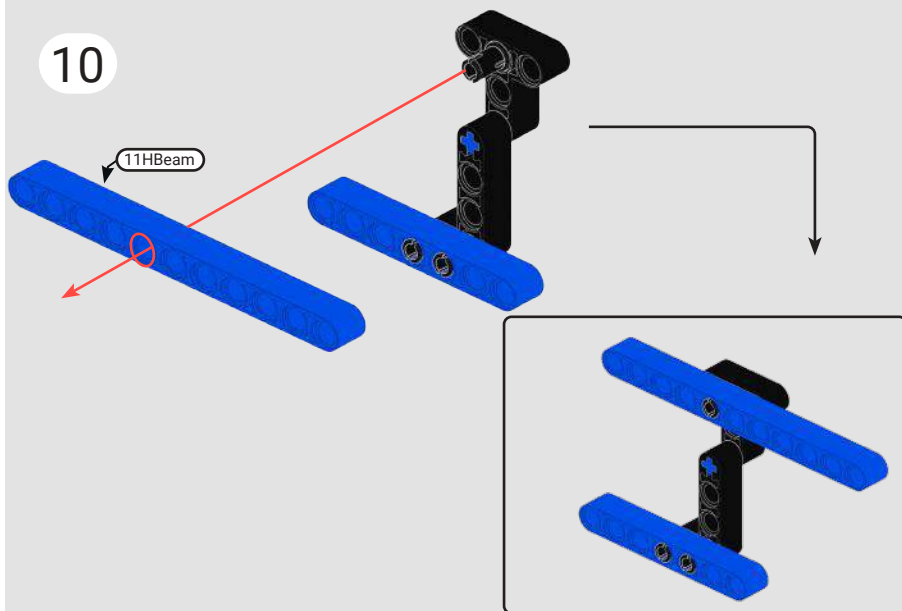
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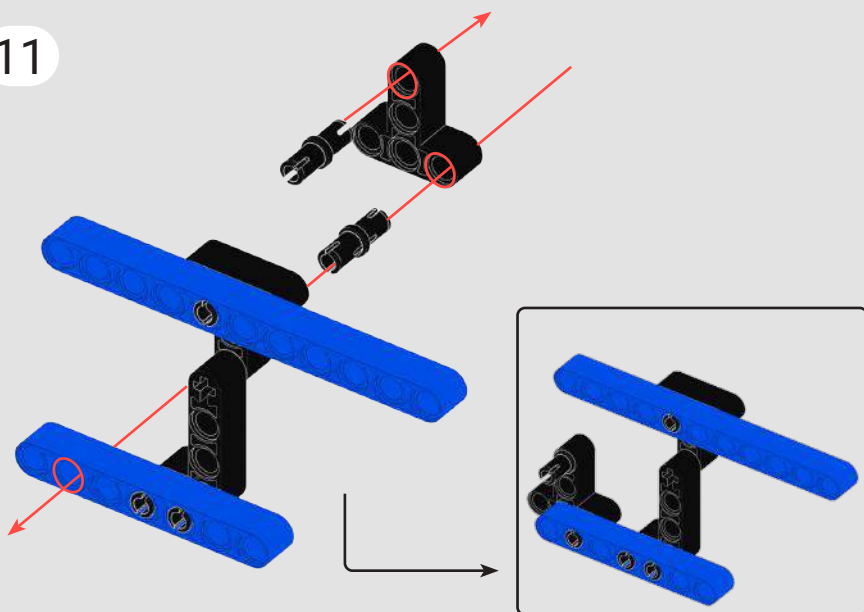
7HBeam



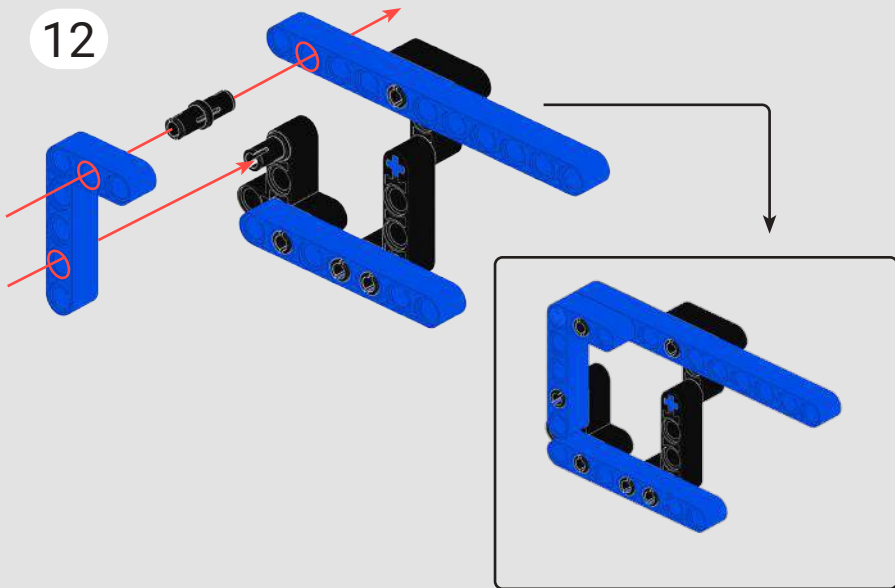
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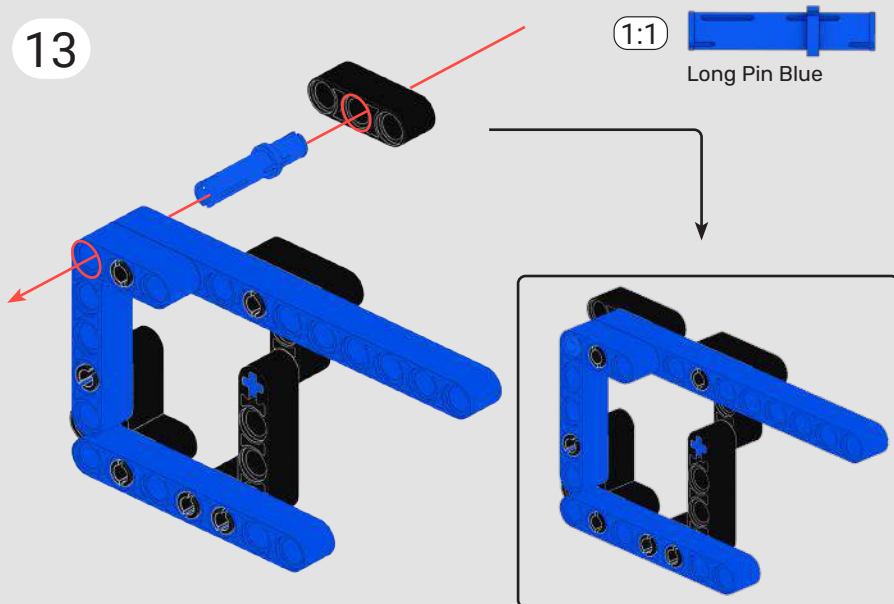
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12



13



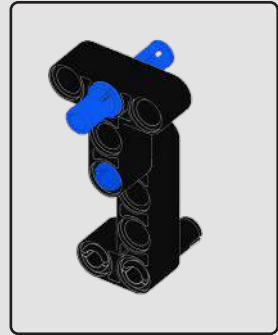
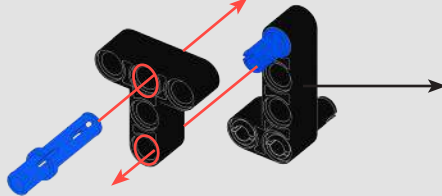
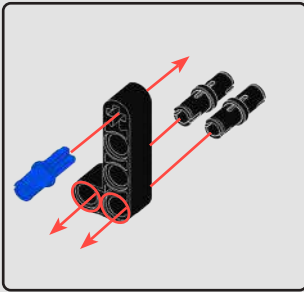
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Lets make the other side

1:1

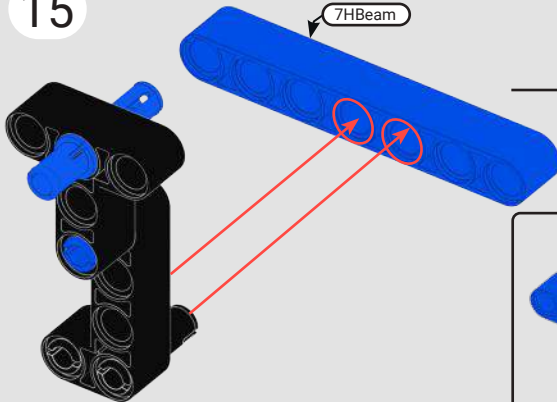


Medium Axle Pin Blue

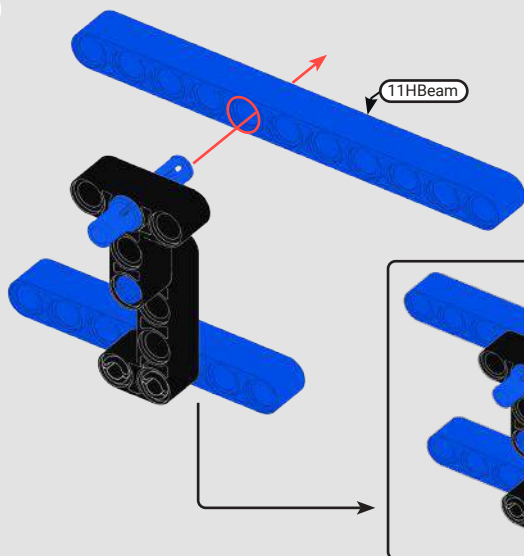


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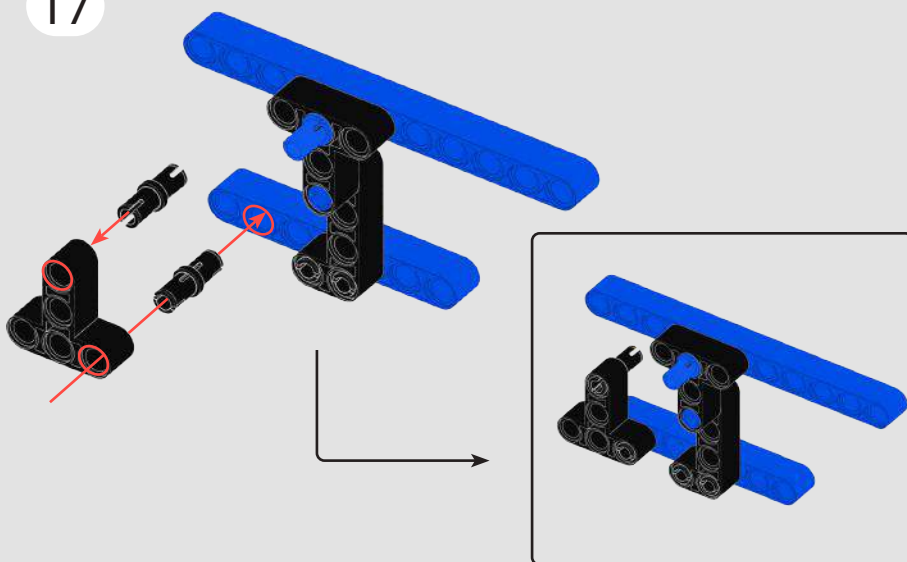
7HBeam



16



17

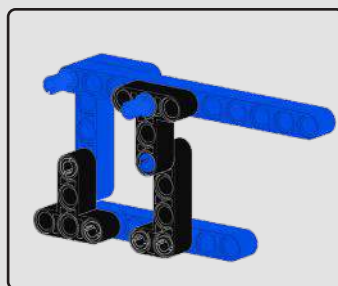
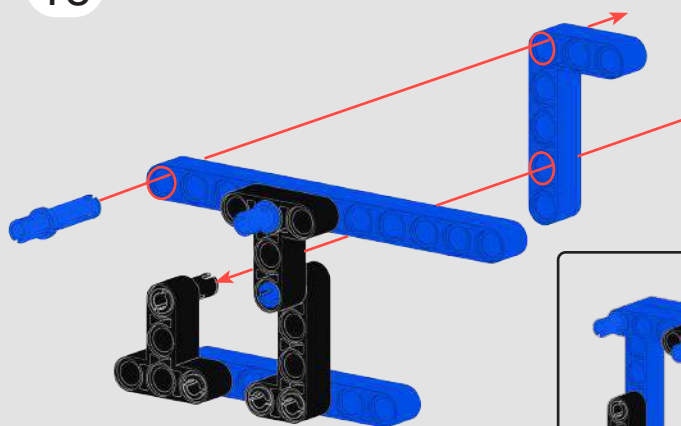


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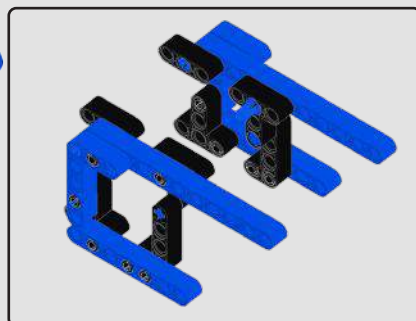
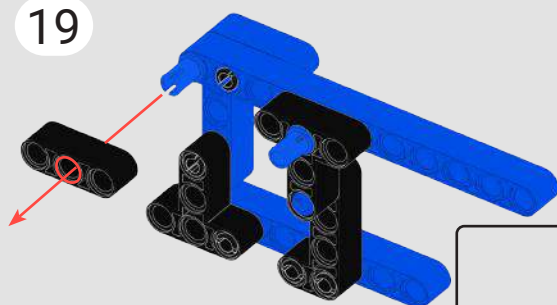
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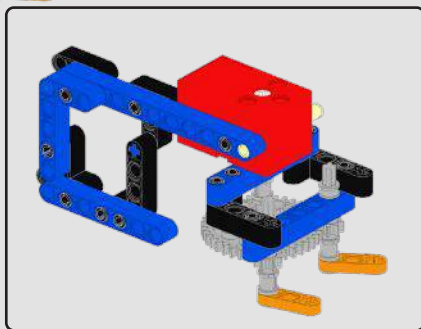
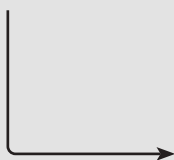
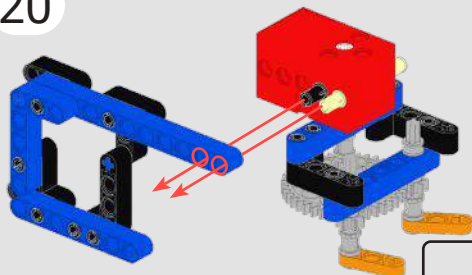
Long Pin Blue



19

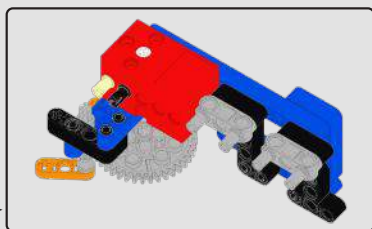
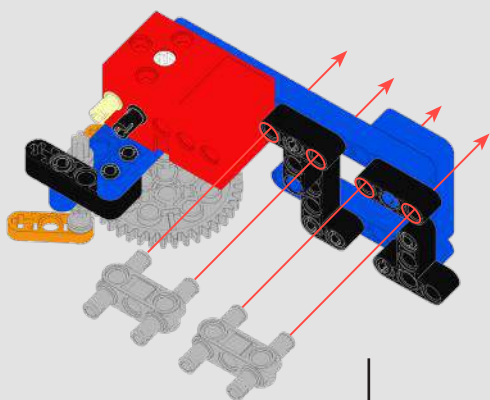


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21

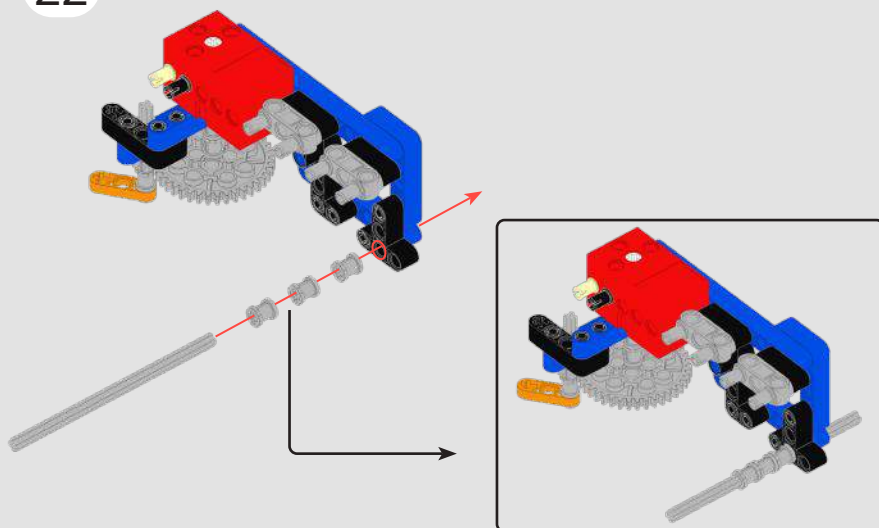
Top rear right view



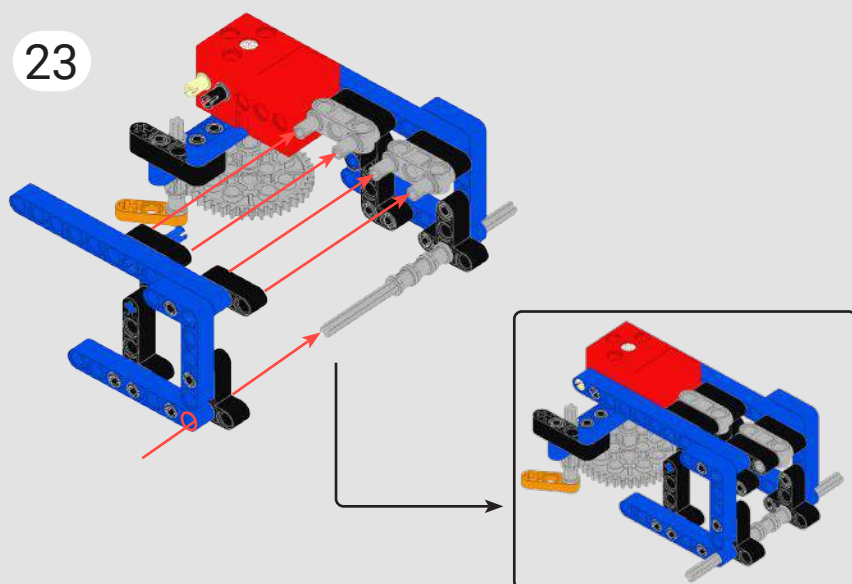
1:1

11H Axle

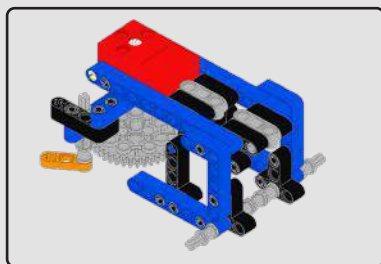
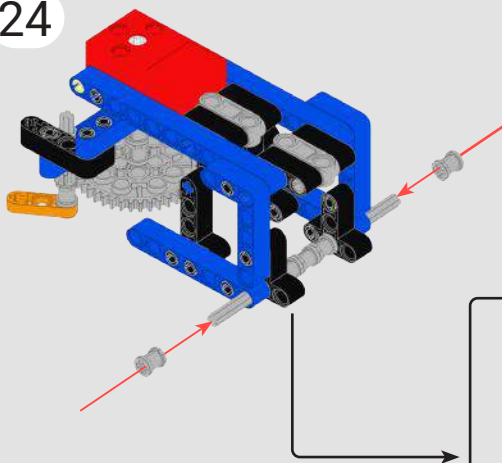
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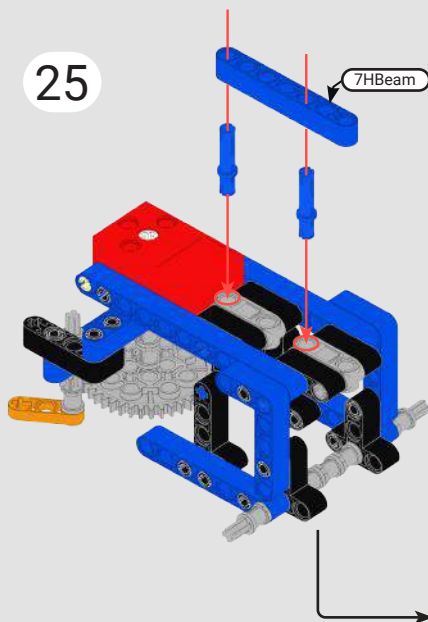
23



24



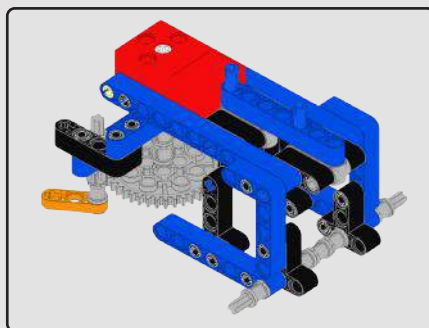
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1:1



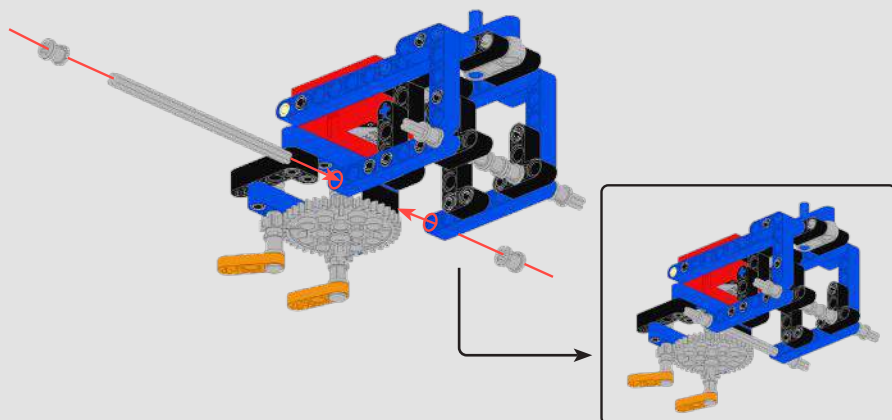
Long Pin Blue



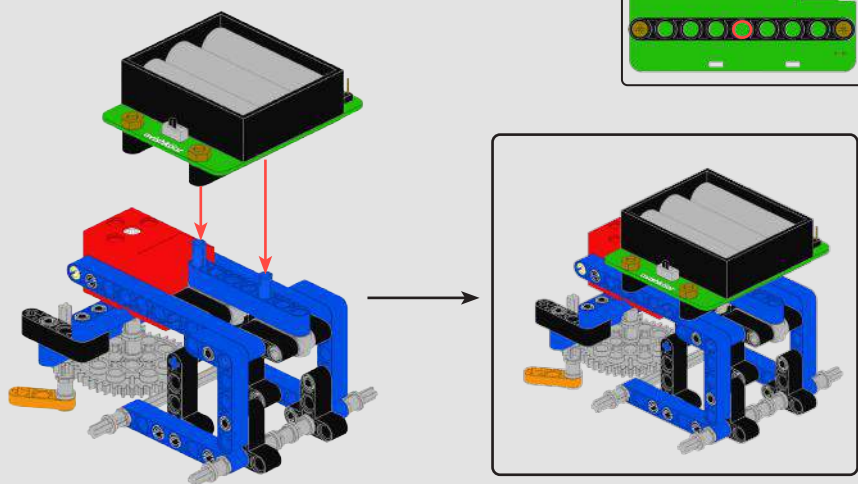
26 Bottom rear right view

1:1

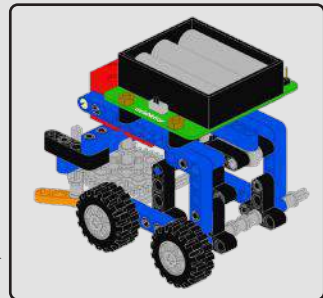
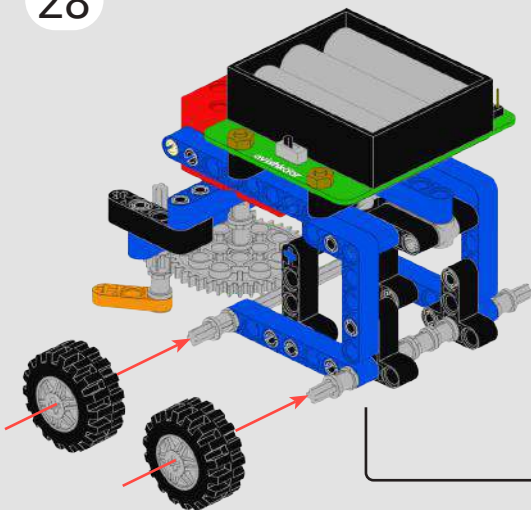
11H Axle



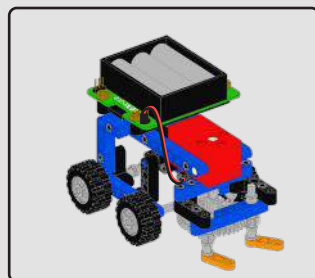
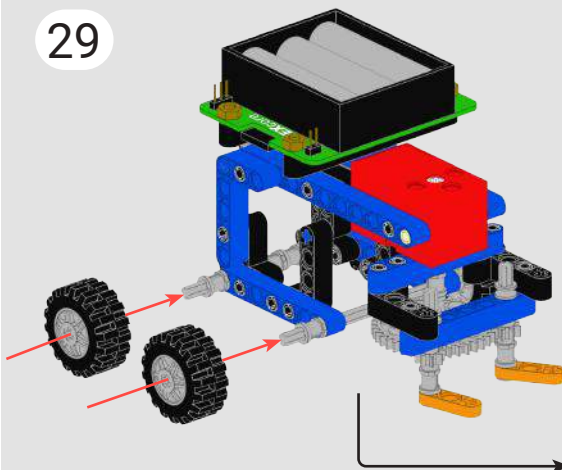
27 Top rear right view



28



29



Congratulations on Completing this Project!

Excited to play with it using the avishkaar mobile app?

Go to Pg 8 about the detailed instructions on how to download the app and control your bot using it.

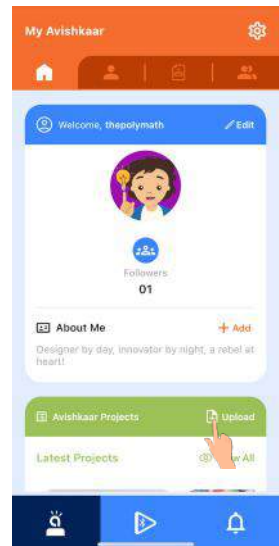


Share your Creation with the World and Win the 'Scratch the Surface' Level 2 Badge

Upload photos or videos of your project using the project section of the Avishkaar App to win the 'Scratch the Surface' Level 2 Badge.

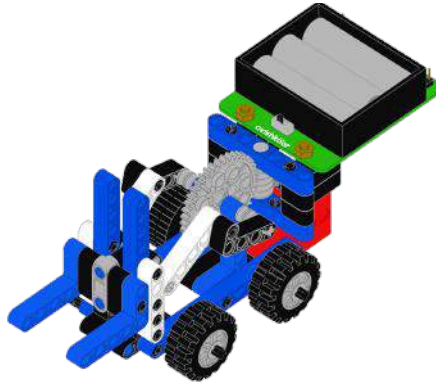
See all your collected badges in the achievement section of your profile on www.avishkaar.cc.

Explore all other badges to be collected and win them all!



Project 4: Forklift

Let's Build!



Things we need



11H Beam
x 2



7H Beam
x 4



5H Beam
x 4



3H Beam
x 7



7H L-Beam
x 4



1Cx4H L-Beam
x 6



5HT Beam
x 2



Spur Gear 40T
x 1



Worm
Gear-Big
x 1



3Hx4Pin
Connector
x 2



Axle Filler-Big
x 4



Axle Filler-
Small
x 4



5H Capped
Axle x 1



7H Axle
x 1



10H Axle
x 2



Short
Pin-Yellow
x 2



Medium
Pin-Black
x 22



Medium
Pin-Grey
x 2



Long Pin-Blue
x 11



Medium Axle
Pin-Blue
x 2



Wheel
x 4



Avishkaar
MEXCore
x 1



MEX big DC
motor
x 1

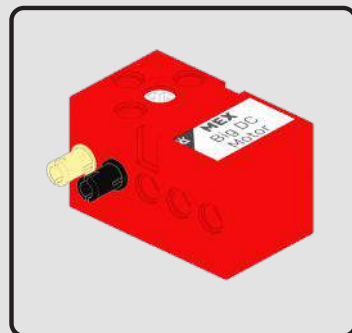
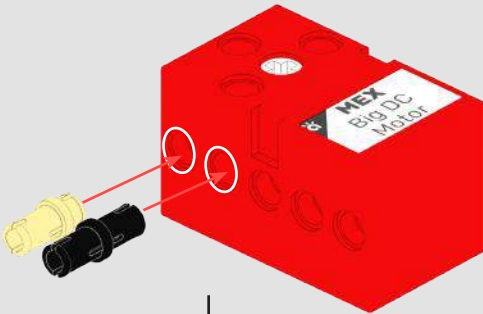
Steps

1

1:1



Short Pin Yellow

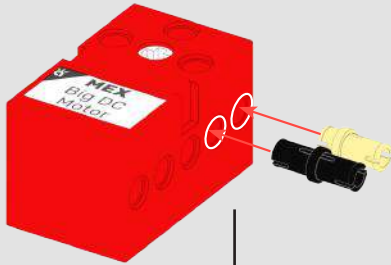


2

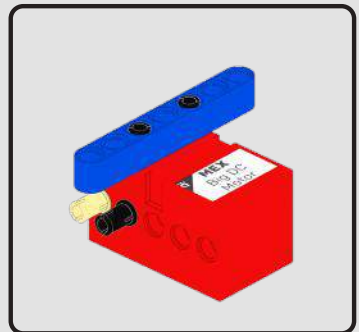
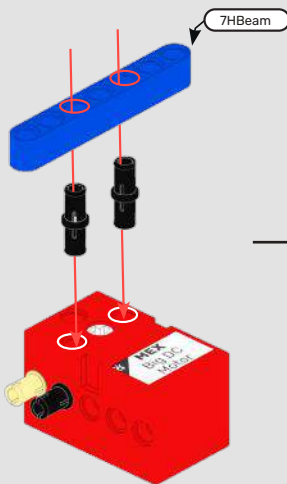
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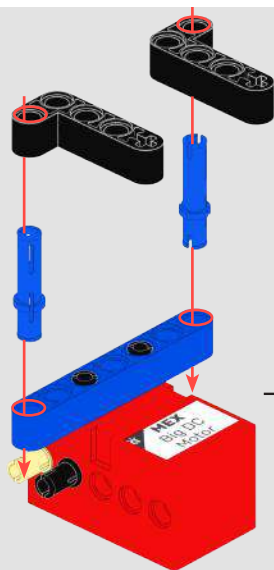
Short Pin Yellow



3



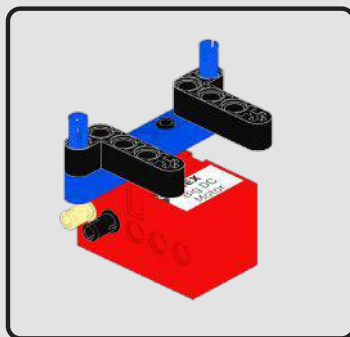
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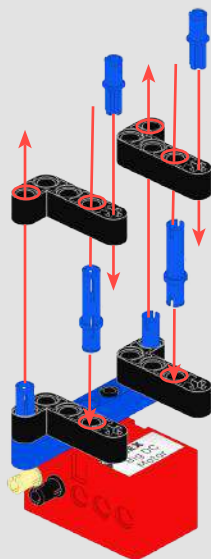
1:1



Long Pin Blue



5



1:1

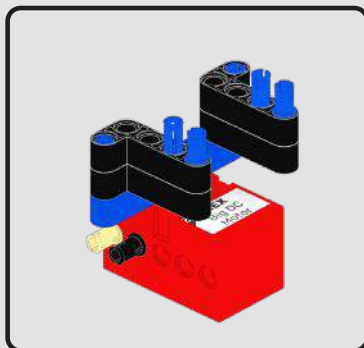


Long Pin Blue

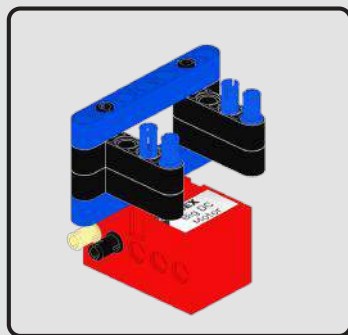
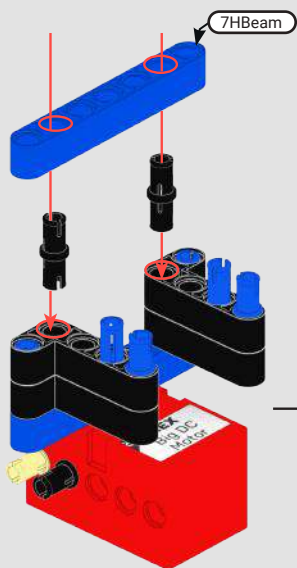
1:1



Medium Axle Pin Blue



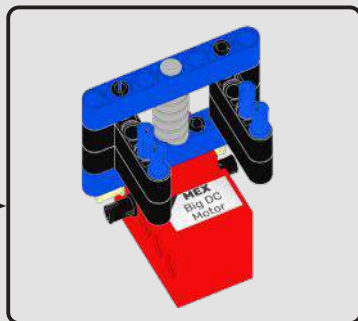
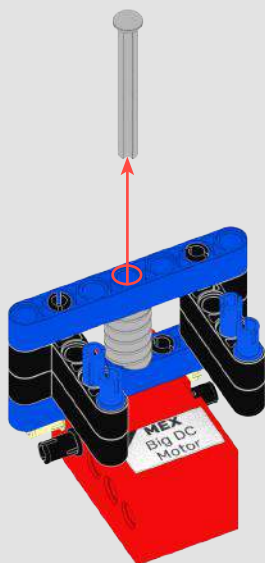
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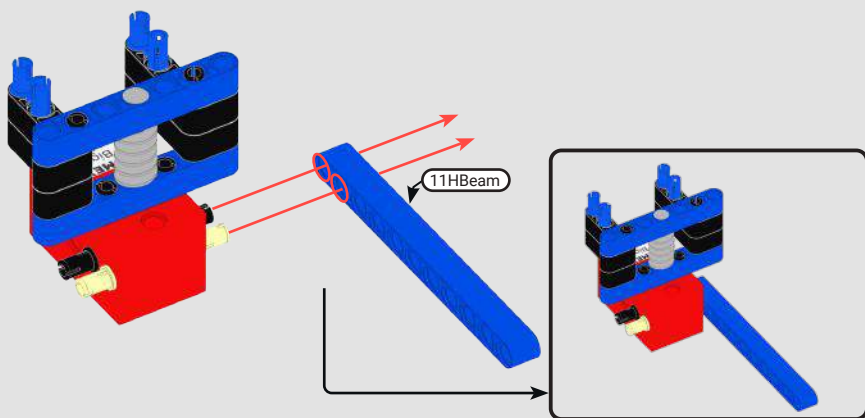
7

1:1

5H Axle Capped



8

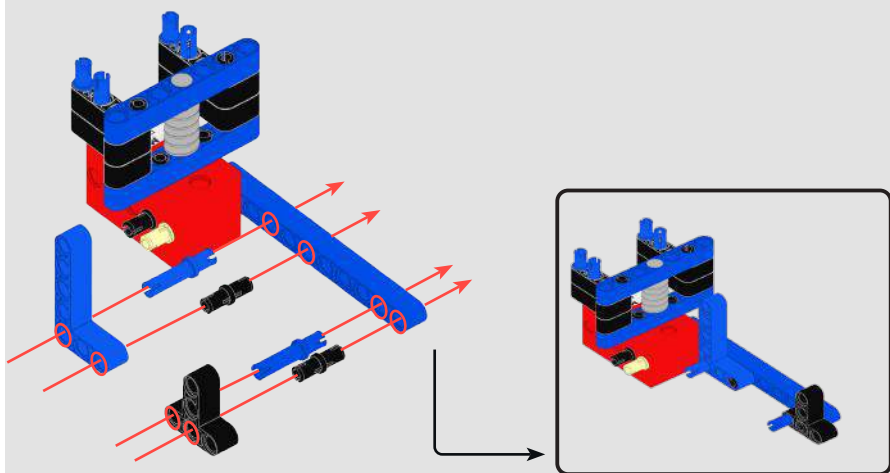


9

1:1



Long Pin Blue

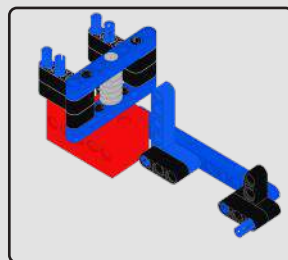
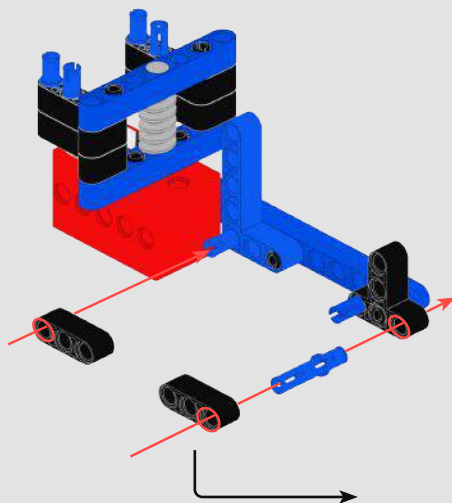


10

1:1



Long Pin Blue

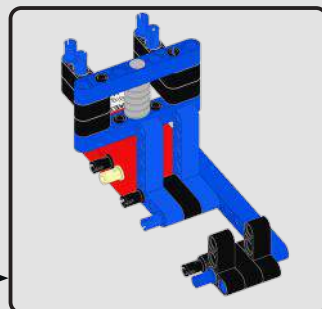
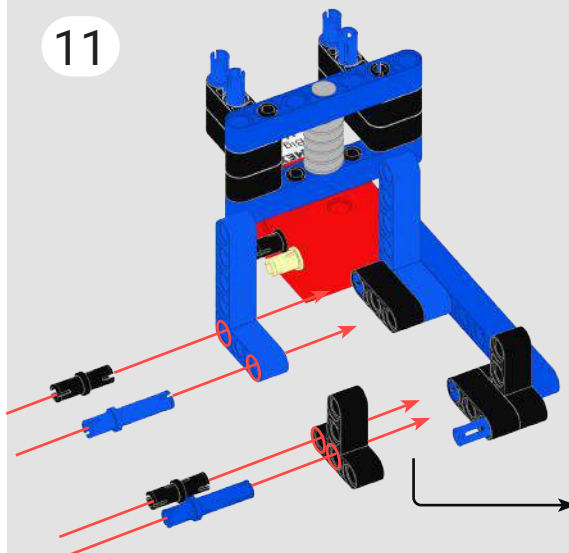


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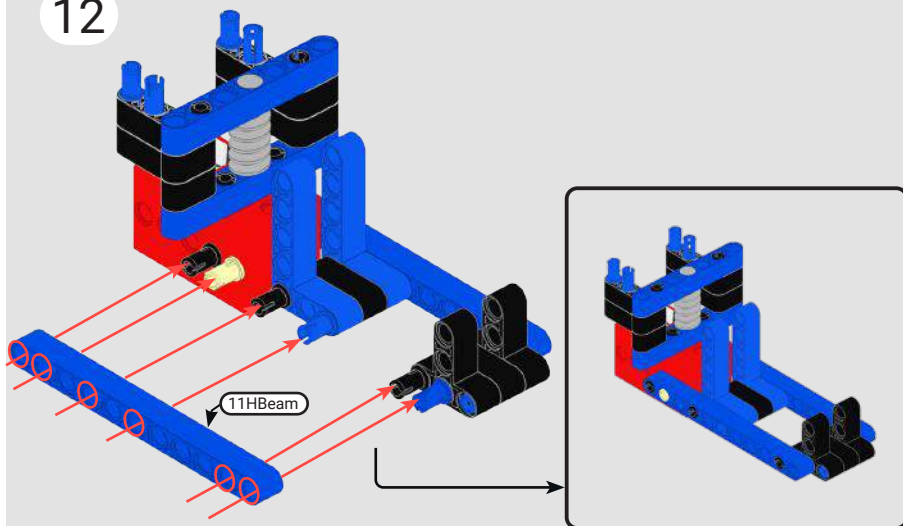
1:1



Long Pin Blue



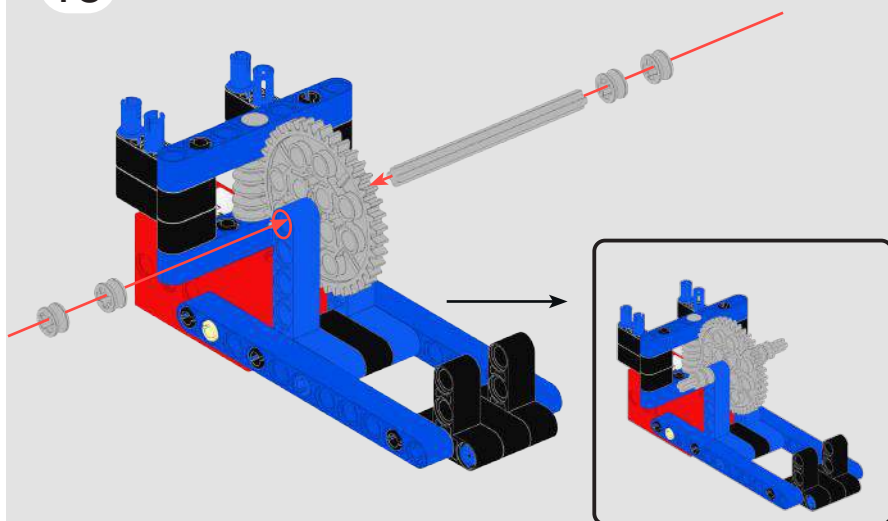
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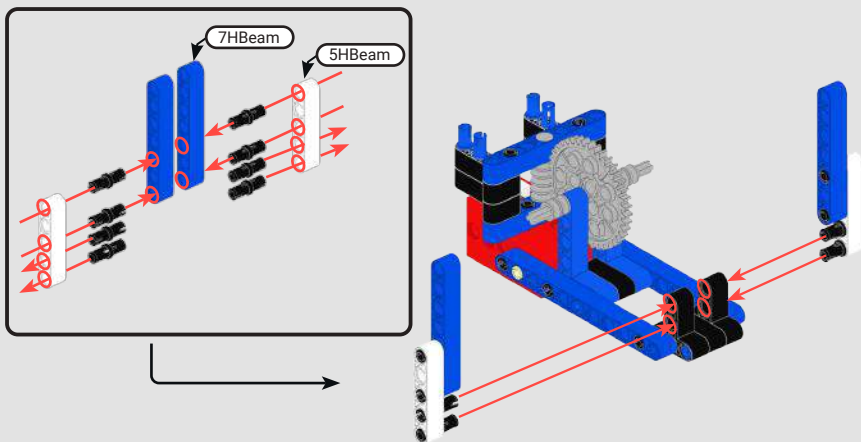
13

(1:1)

7H Axle



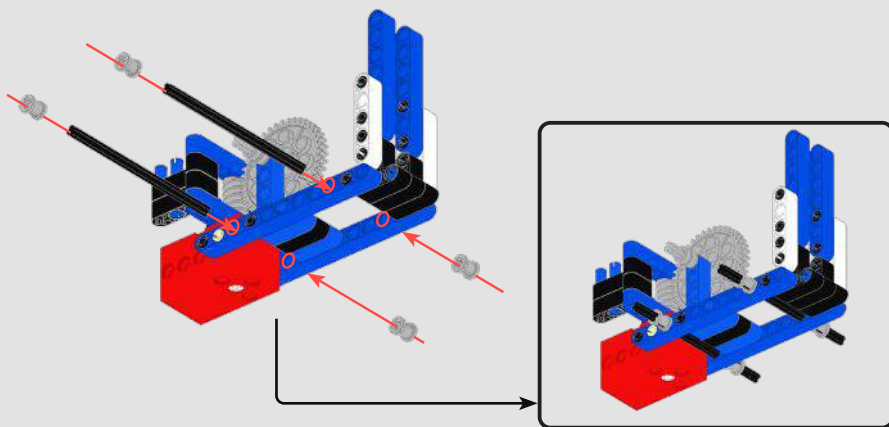
14



15 ↻ Bottom front left view

1:1

10H Axle

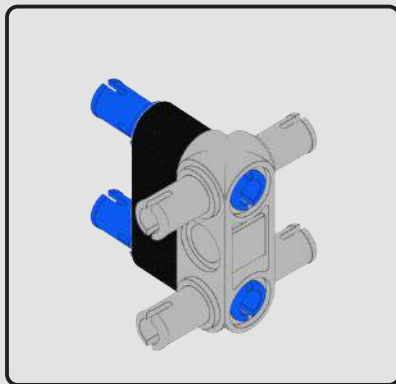
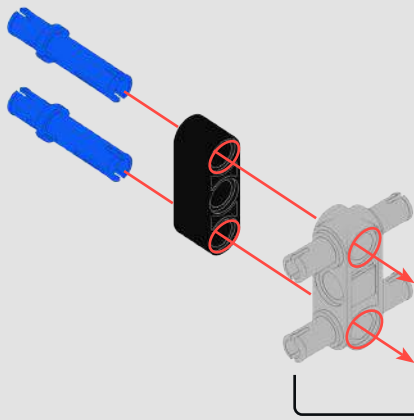


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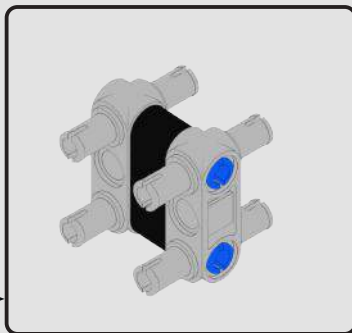
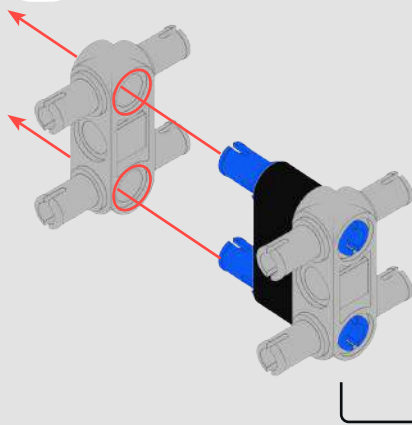
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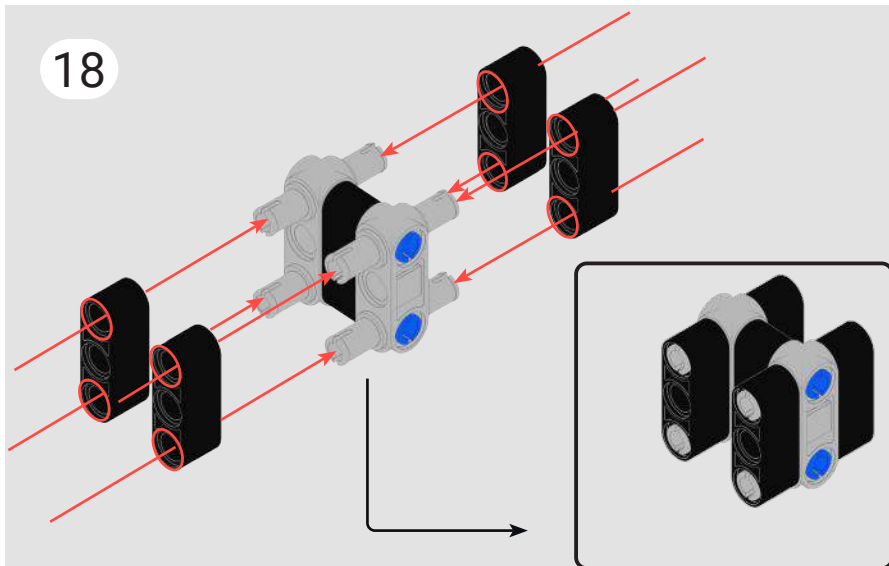
Long Pin Blue



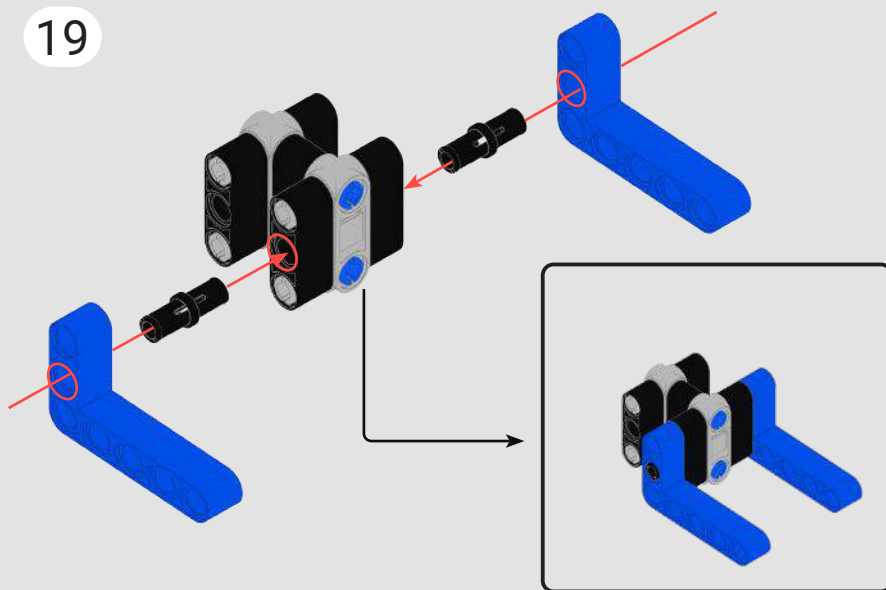
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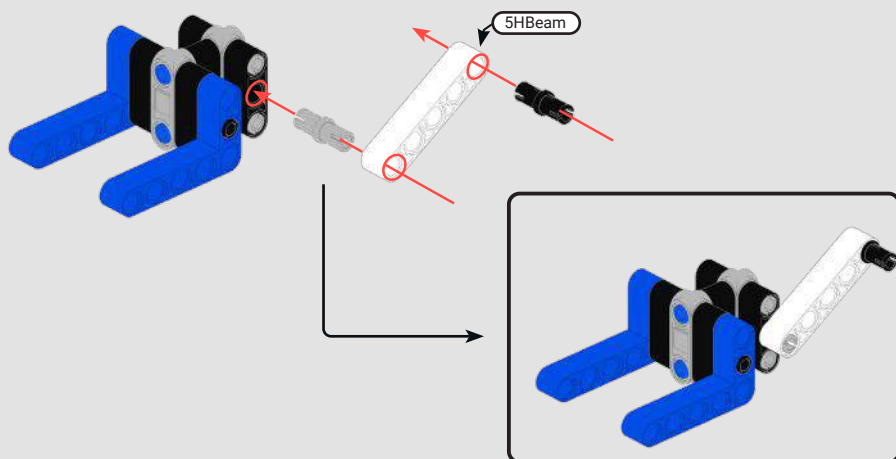
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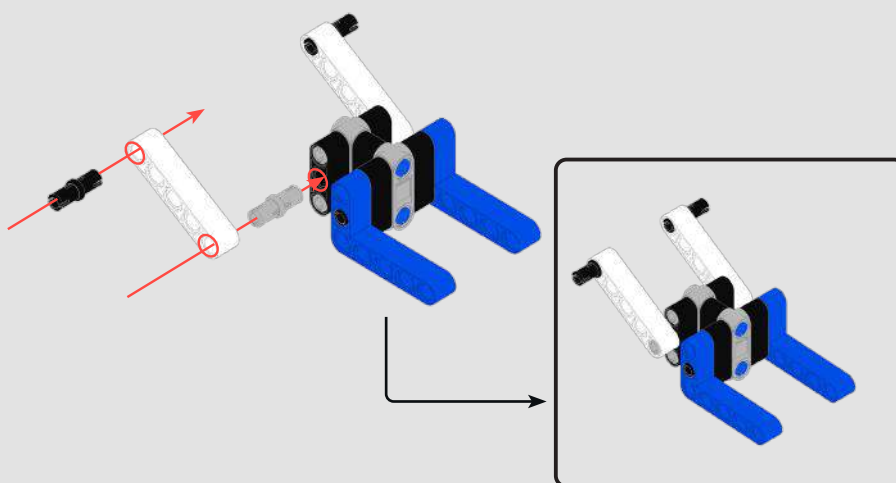
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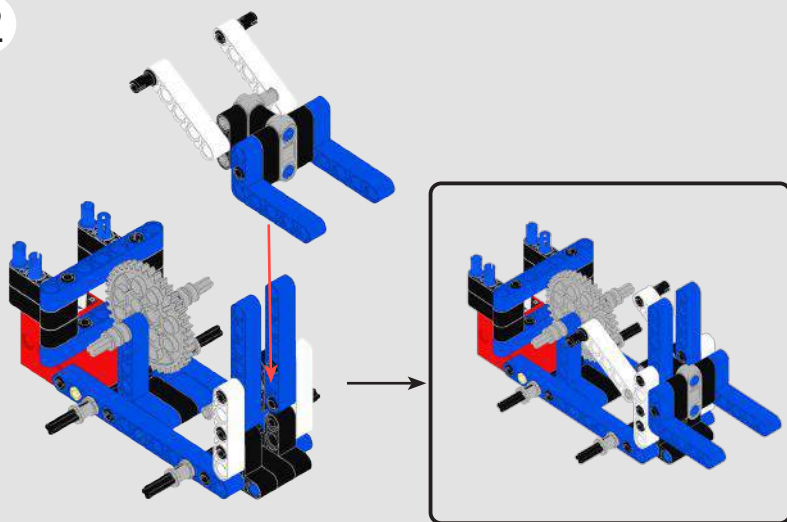
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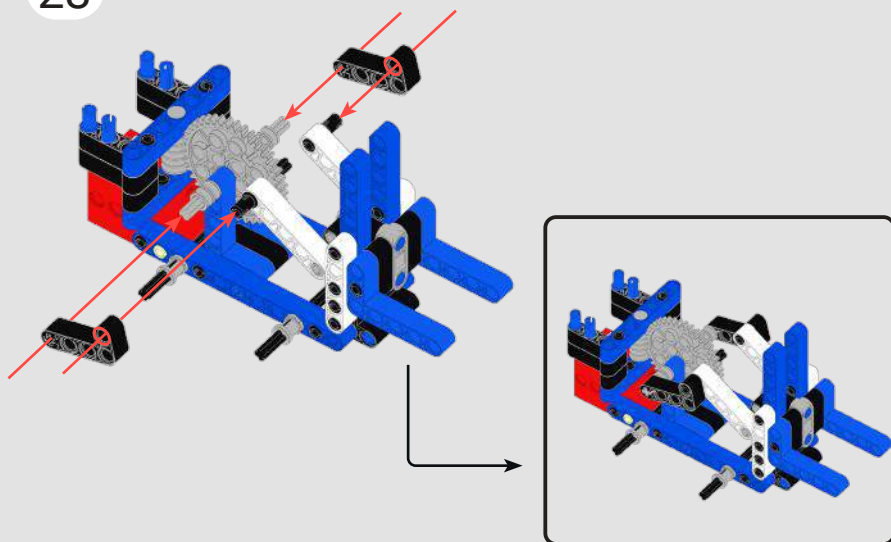
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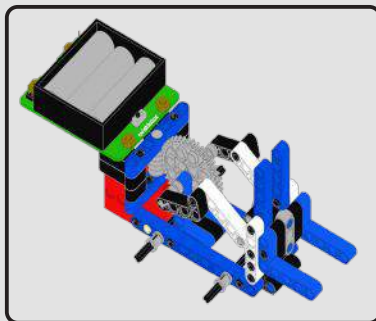
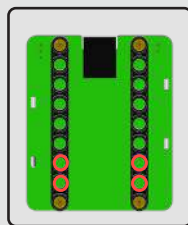
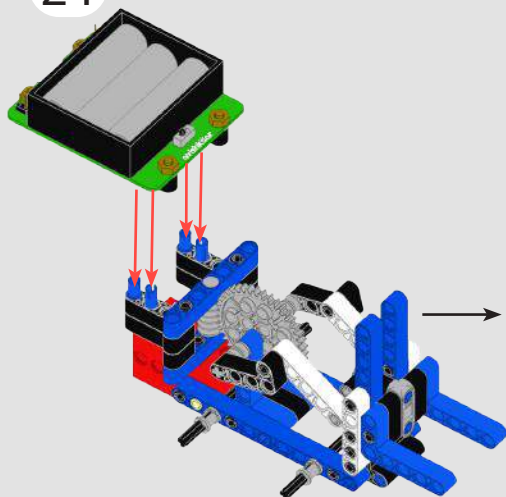
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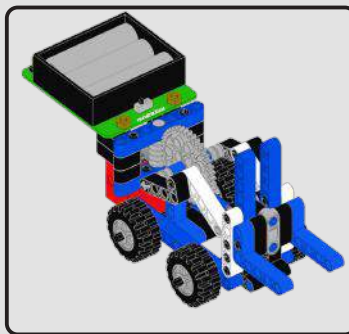
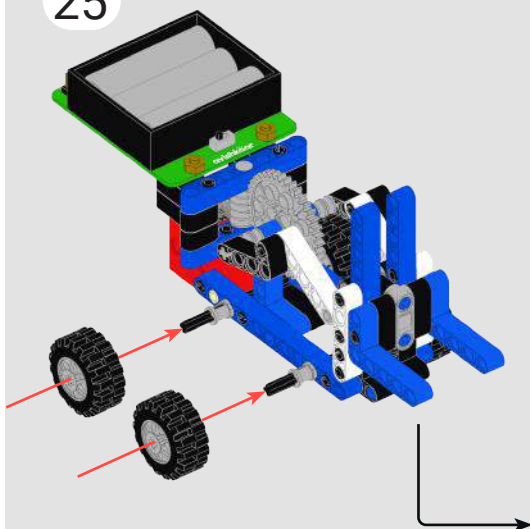
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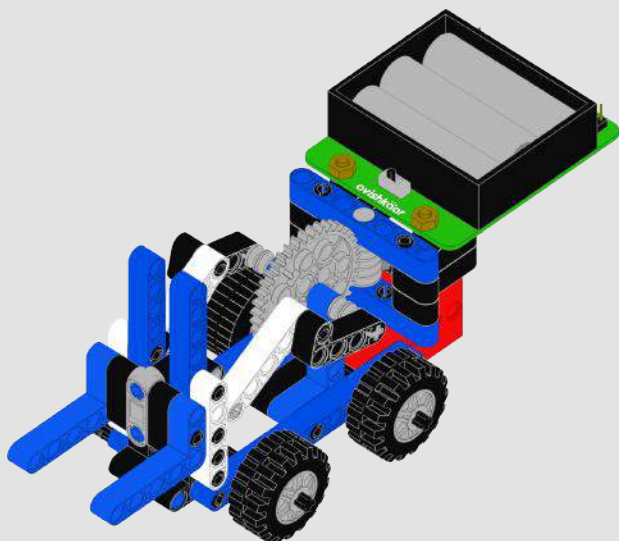
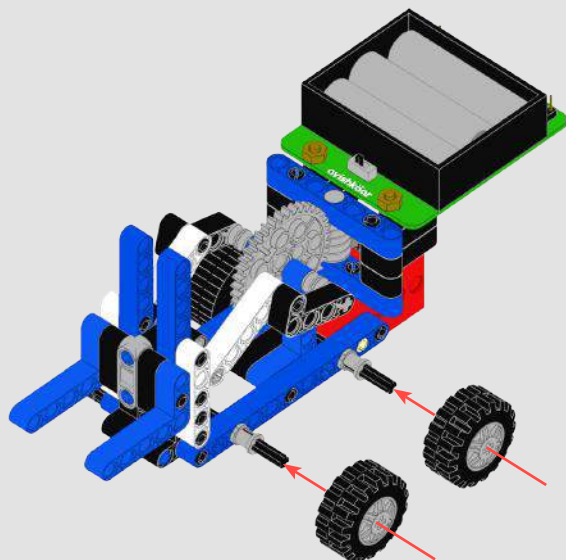
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25



26



Congratulations on Completing this Project!

Excited to play with it using the avishkaar mobile app?

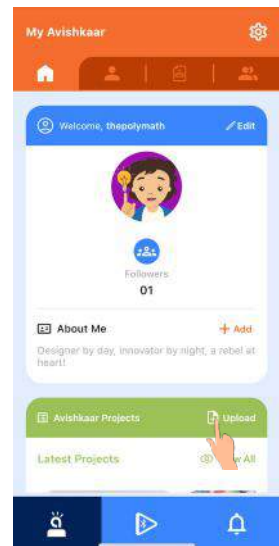
Go to Pg 8 about the detailed instructions on how to download the app and control your bot using it.



Share your Creation with the World and Win the 'Scratch the Surface' Level 3 Badge

Upload photos or videos of your project using the project section of the Avishkaar App to progress towards winning the 'Scratch the Surface' Level 3 Badge

See all your collected badges in the achievement section of your profile on www.avishkaar.cc. Explore all other badges to be collected and win them all!



Project 5: Dobby

Let's Build!



Things we need



9H Beam
x 6



5H Beam
x 4



3H Beam
x 4



7H L-Beam
x 4



1Cx4H L-Beam
x 4



5HT Beam
x 2



1Cx1H Beam
x 2



2Cx1H
Thin-Beam
x 1



3Hx4Pin
Connector
x 2



Axle Filler-
Small
x 2



3H Axle
x 2



Short
Pin-Yellow
x 1



Long
Pin-Blue
x 10



Medium
Pin-Black
x 18



Medium Axle
Pin-Blue
x 4



Medium
Pin-Grey
x 4



Avishkaar
MEXCore
x 1



MEX big DC
motor
x 1

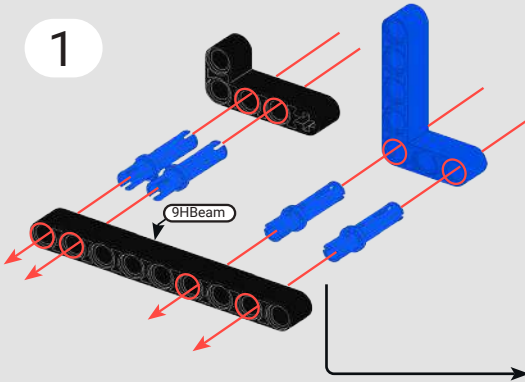


Long
Pin Yellow
x 2



3Cx2H
Thin-D
x 2

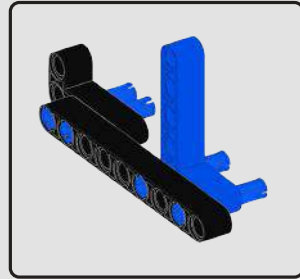
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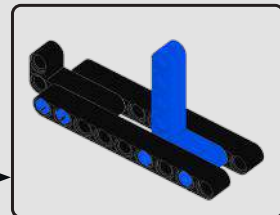
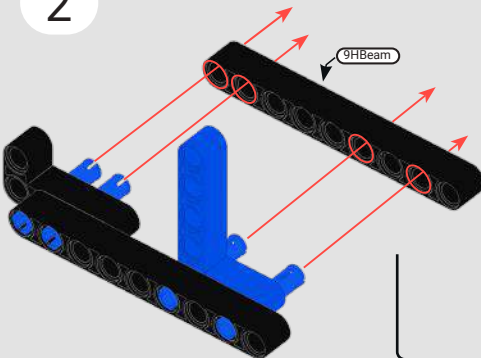
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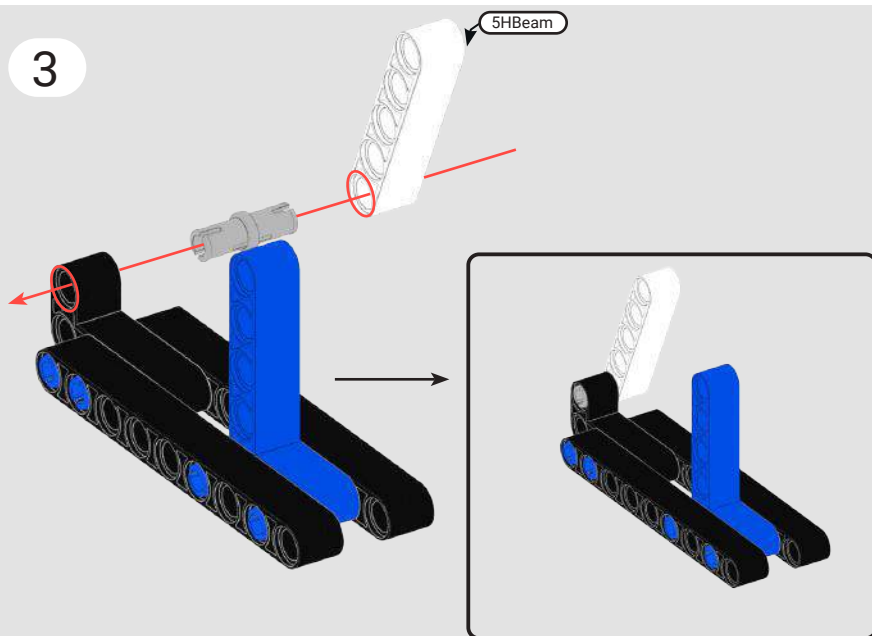
Long Pin Blue



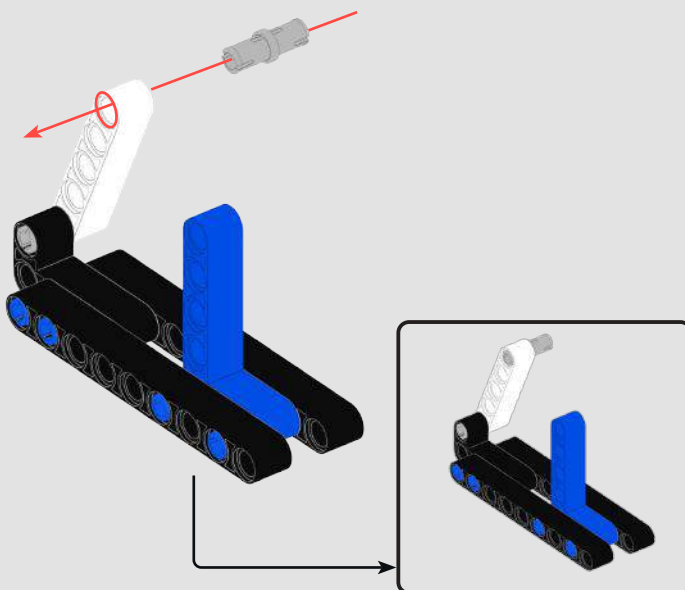
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3



4

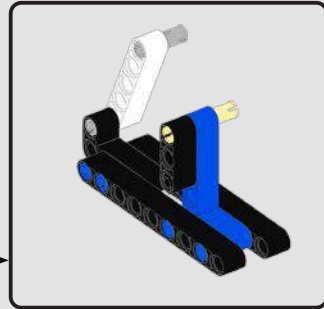
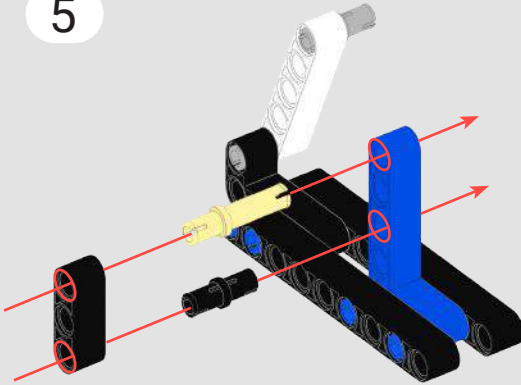


5

1:1



Long Pin Yellow



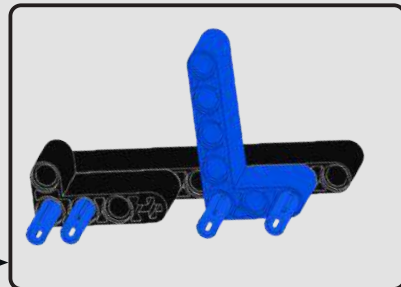
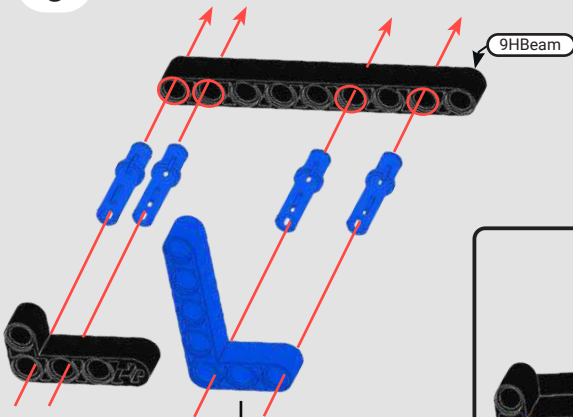
6

Lets make mirror side.

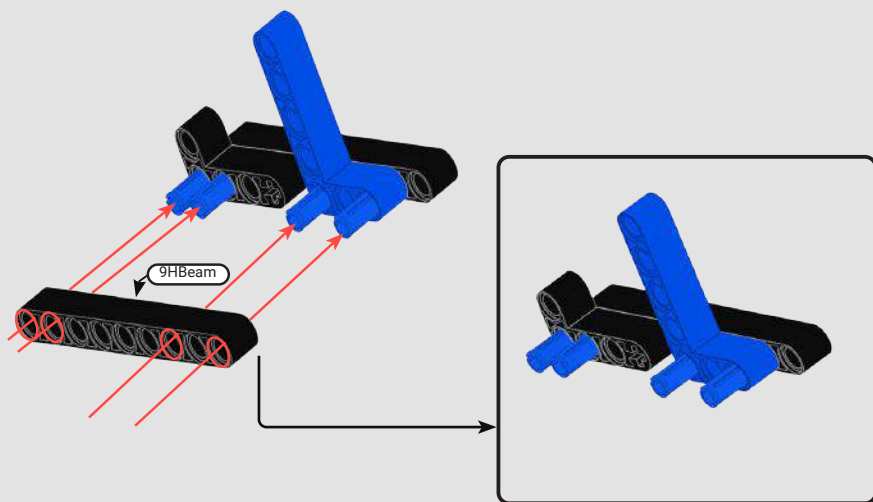
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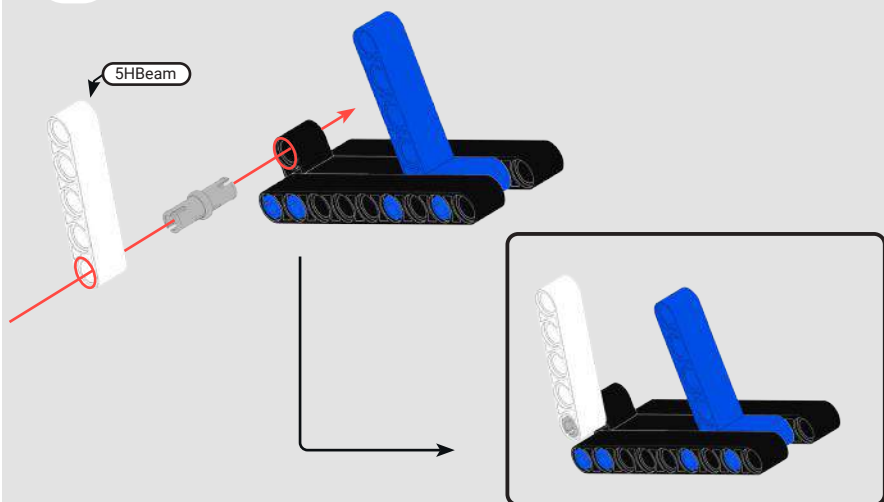
Long Pin Blue



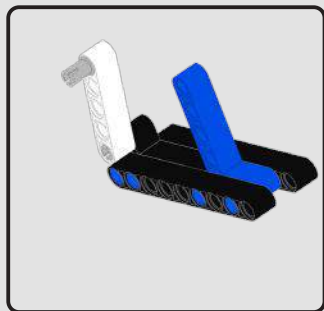
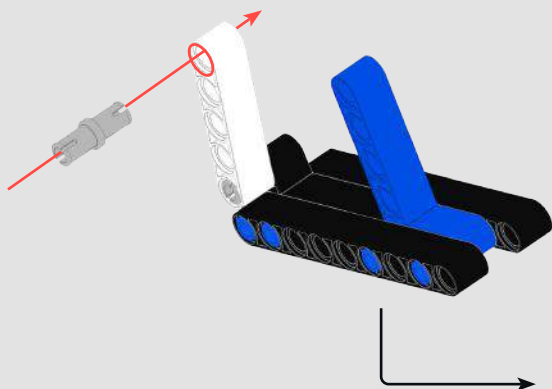
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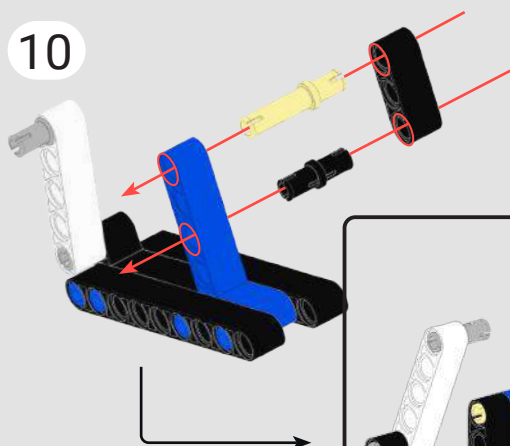
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9



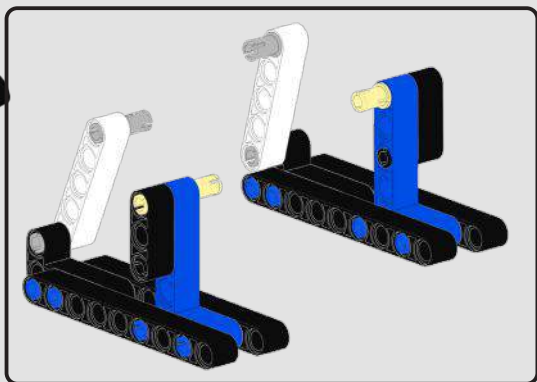
10



1:1



Long Pin Yellow

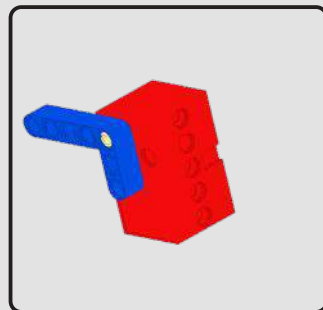
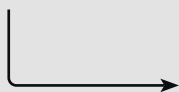
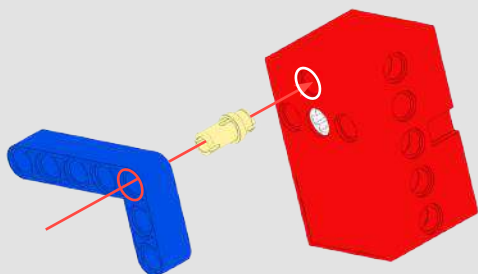


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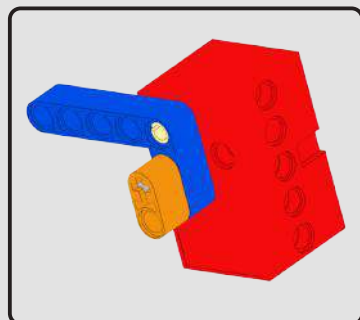
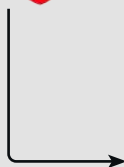
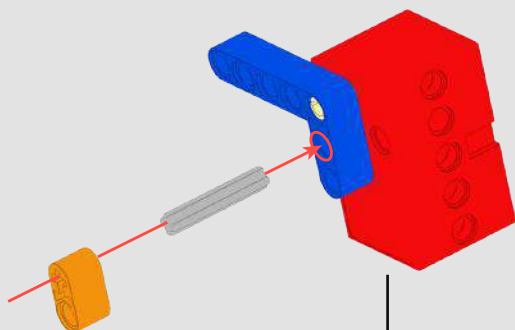


Short Pin Yellow

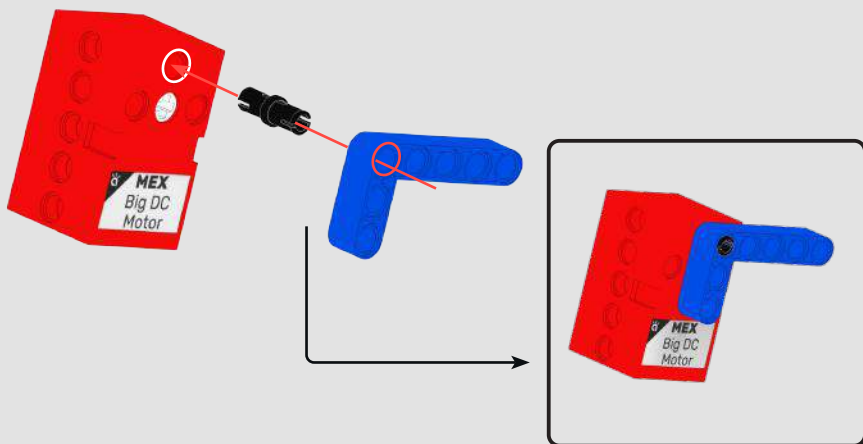


12

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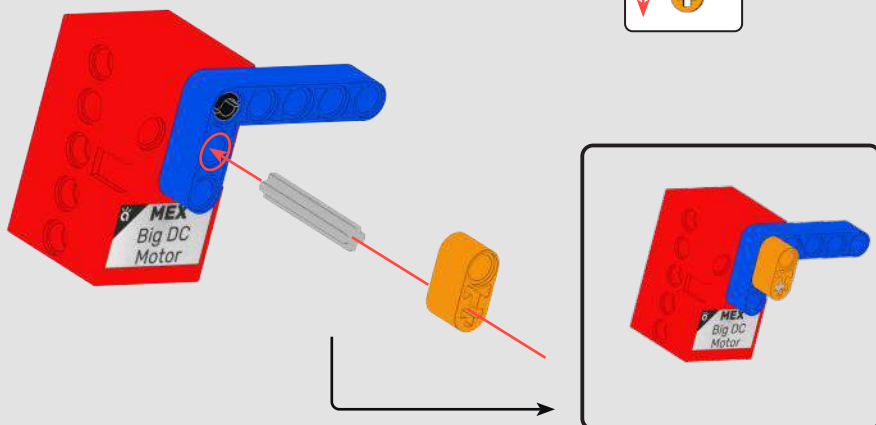
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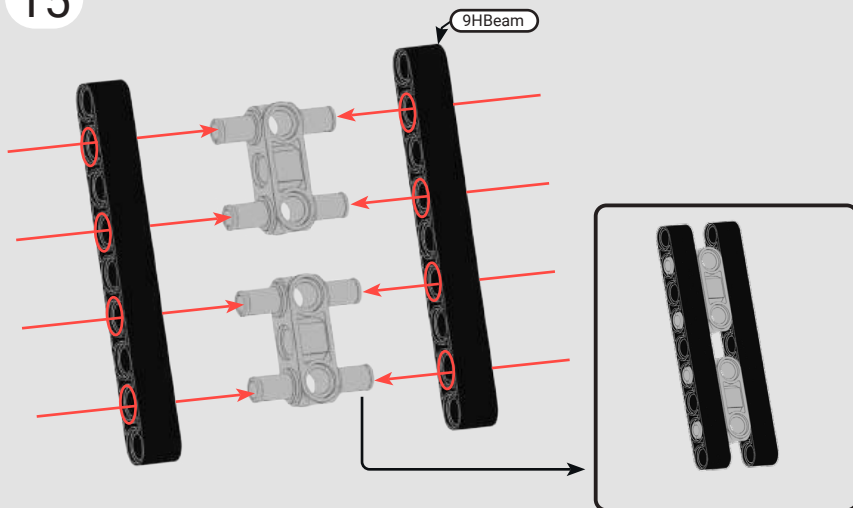
14

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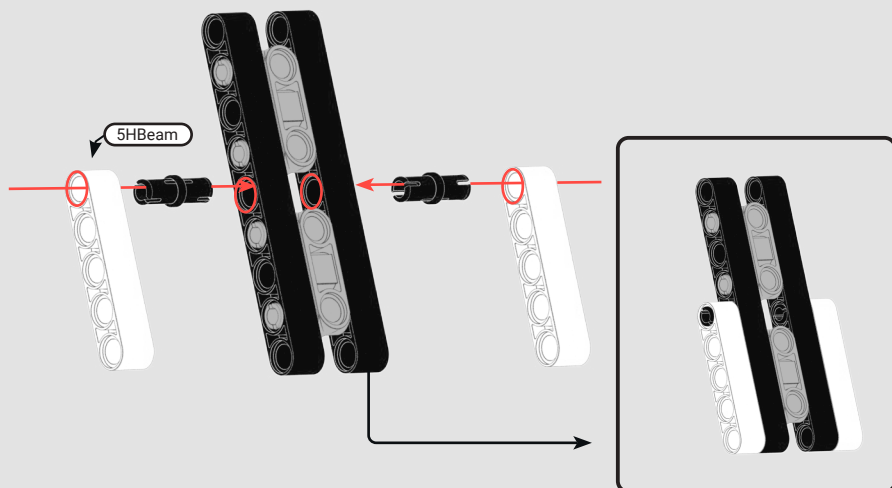
3H Axle



15



16

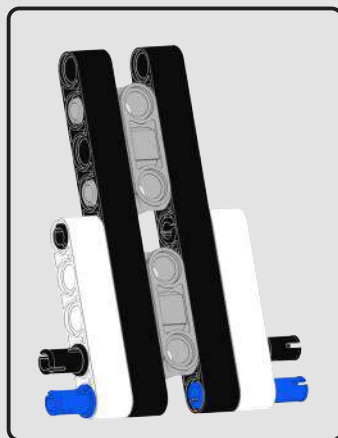
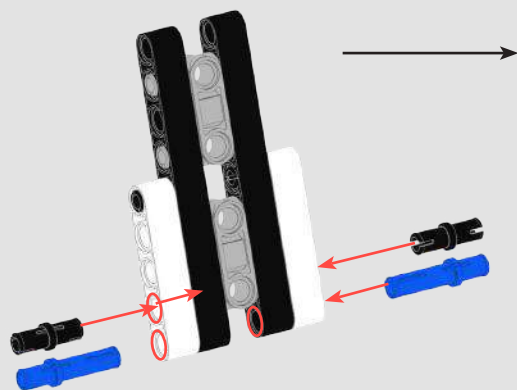


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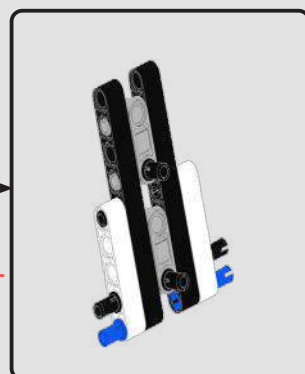
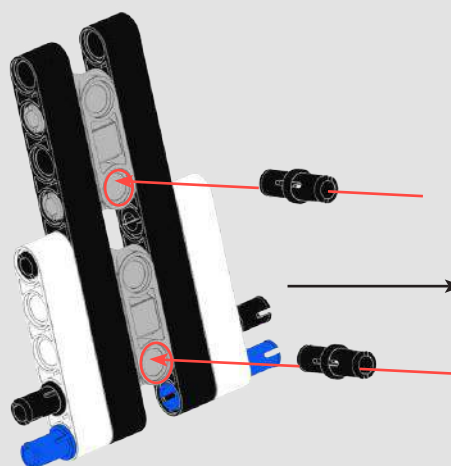
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Long Pin Blue



18

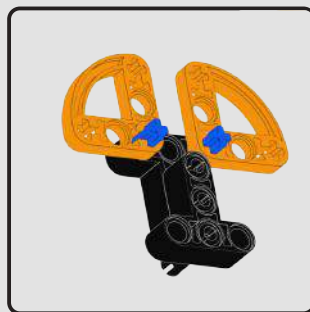
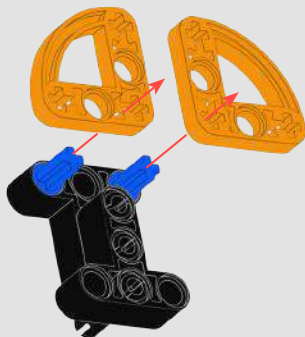
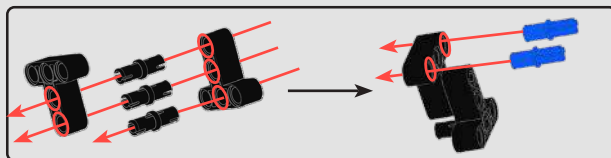


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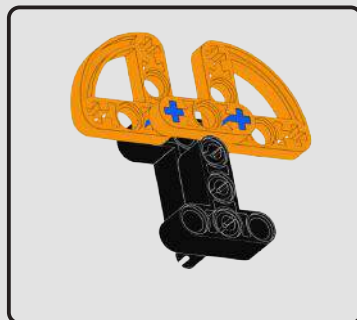
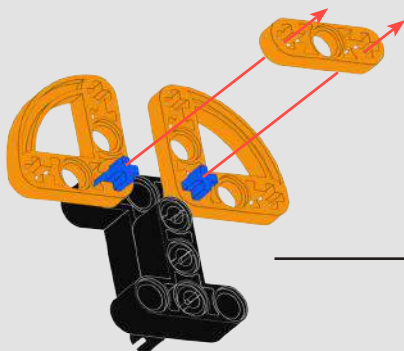
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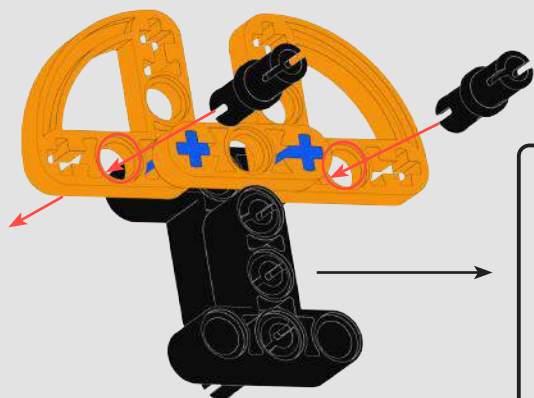
Medium Axle Pin Blue



20



22

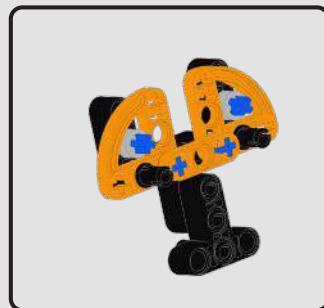
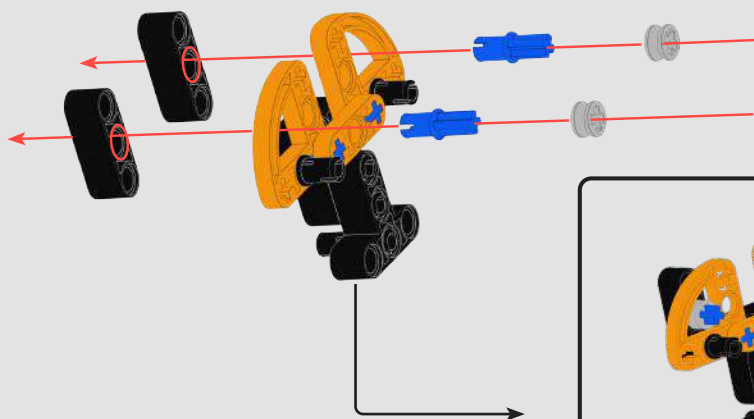


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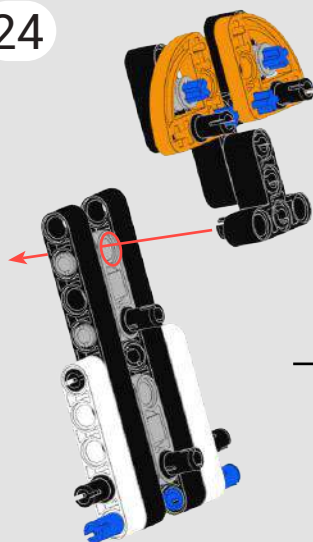
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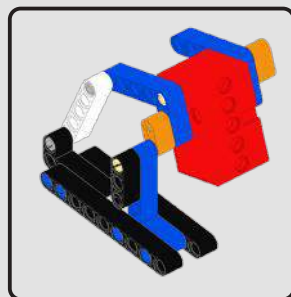
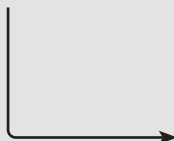
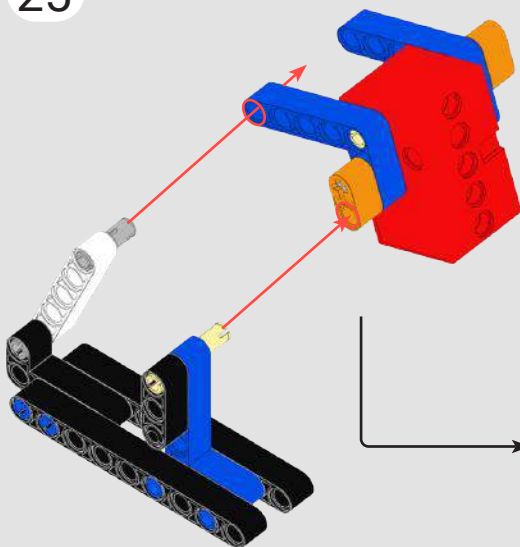
Medium Axle Pin Blue



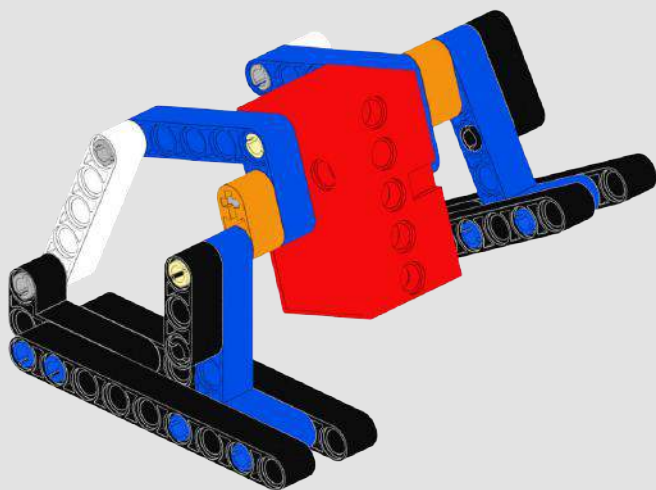
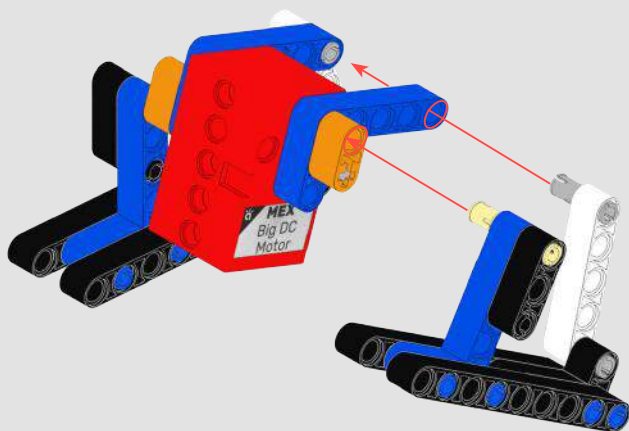
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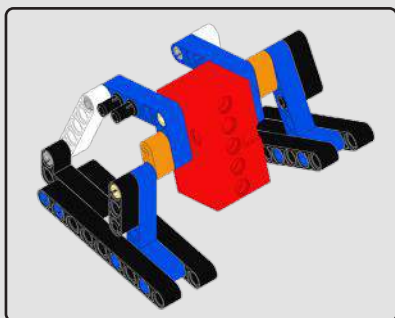
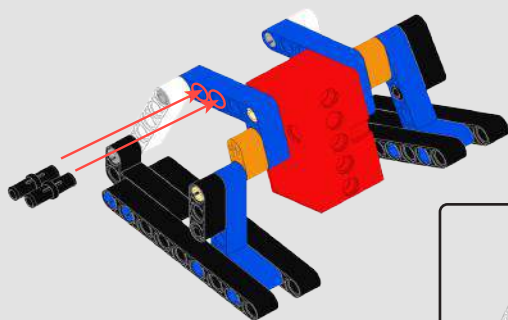
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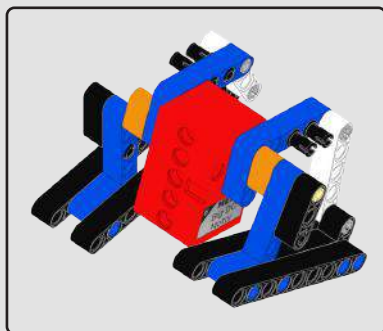
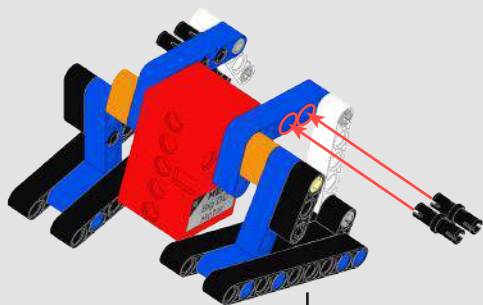
26



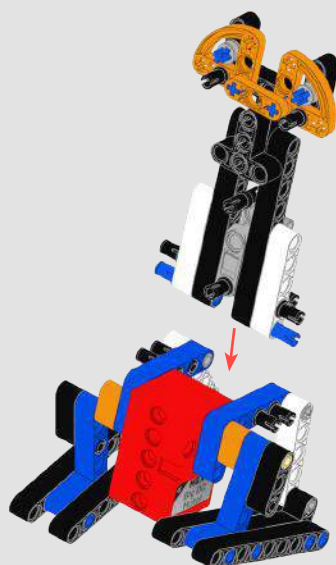
27



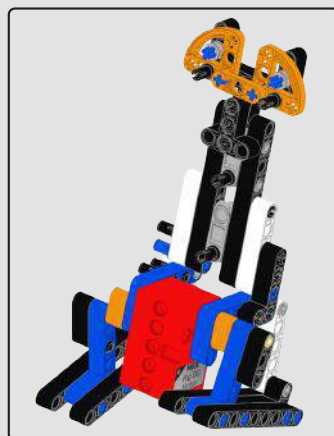
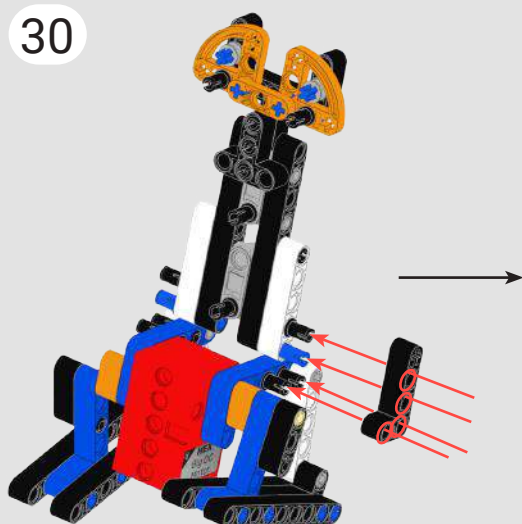
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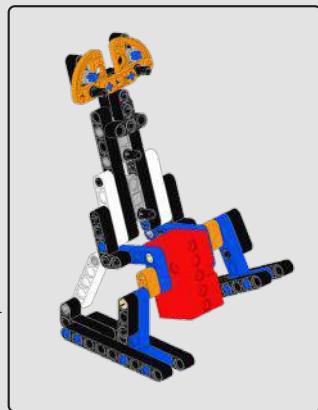
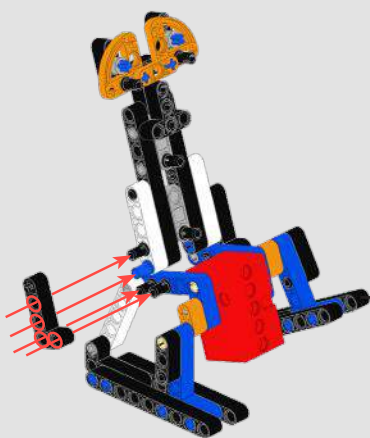
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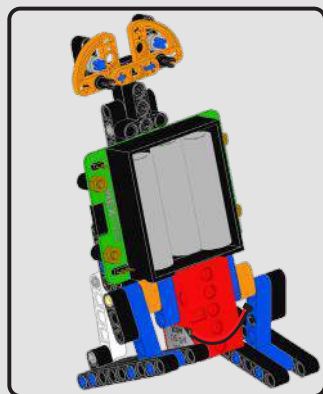
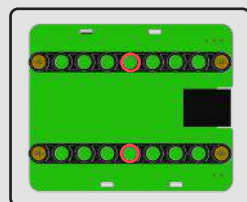
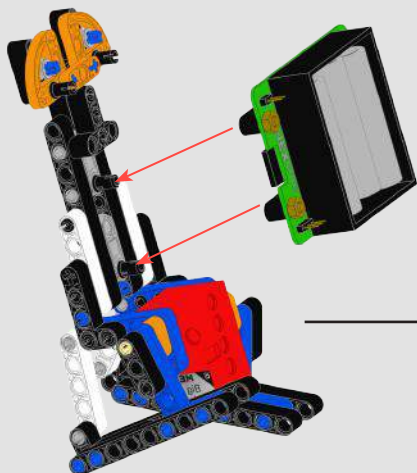
30



31



32



Congratulations on Completing this Project!

Excited to play with it using the avishkaar mobile app?

Go to Pg 8 about the detailed instructions on how to download the app and control your bot using it.

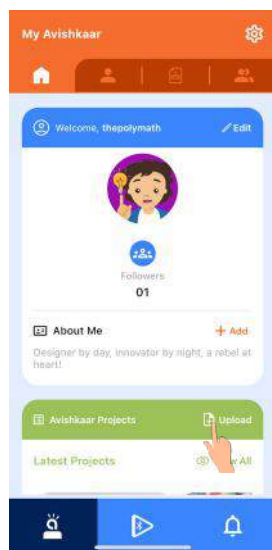
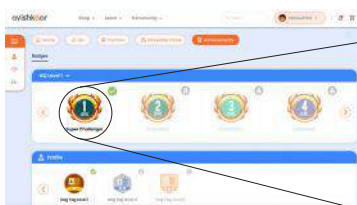


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See all your collected badges in the achievement section of your profile on www.avishkaar.cc.

Explore all other badges to be collected and win them all!



Facing an Issue?

Our technical support is available to assist you at these timings -

Monday to Saturday: 9am to 8pm

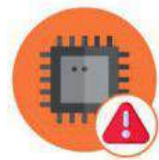
Sunday and 3rd Saturday: 9am to 6pm



Software Issues



Usability Issues



Hardware Issues

Contact support by scanning the QR Code.



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Area, New Delhi 110015

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@AvishkaarEdu

avishk^oar

MEX

Zestaw startowy
robotyki

Instrukcja obsługi



A photograph of various LEGO Technic components and partially assembled robots on a light-colored wooden surface. In the foreground, there's a blue and black robot with large black wheels and a gear mechanism. To its left, another robot is partially visible with orange and blue parts. In the background, more components like gears, beams, and a small black box are scattered. A LEGO box with an orange and blue design is visible in the upper right corner. A large, semi-transparent blue circle is overlaid on the bottom left of the image, containing white text.

"Nie marzę o sukcesie,
ja na niego pracuję!"

Zawartość

| | |
|---------------------------------|-----|
| Wykorzystaj w pełni swój zestaw | 04 |
| Przysięga innowatora | 06 |
| Odkryj swój zestaw | 07 |
| Kontrola pancerza | 13 |
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| Rozwiązywanie problemów i pomoc | 104 |

Wykorzystaj w pełni swój zestaw

Wprowadzać innowacje



Złóż przysięgę innowatora

Przeczytaj Przysięgę Innowatora, o której mowa na stronie 6 i zrozum, co ona oznacza być innowatorem.



Naucz się korzystać z instrukcji/filmów

Postępuj zgodnie ze szczegółowymi instrukcjami zawartymi w instrukcji i naucz się budować niesamowite roboty przy użyciu swojego zestawu.



Budowanie, kodowanie i kontrola

Twórz innowacyjne projekty wykorzystujące Twój zestaw i sterowanie robotami za pomocą Avishkaar Remote i kod przy użyciu Avishkaar Maker Studio.

-----> **Udział** ----->

Wygrać



Dołącz do Chodźmy Avishkaar

Dołącz do naszej społeczności na Facebooku - nawiąż kontakt z innowatorami i otrzymuj najnowsze informacje o webinarach.



Prześlij projekty Prześlij projekty do

www.avishkaar.cc i dziel się nimi z innowatorami na całym świecie.



Międzynarodowy Konkursy

Bierz udział w cotygodniowych, miesięcznych i rocznych konkursach i wygrywaj na całym świecie.



Przysięga innowatora

Złóż Przysięgę Innowatora poniżej , aby zobowiązać się do dożywotniego zaangażowania w innowację i rozwiązywanie problemów. Udostępnij zdjęcie w społeczności Let's Avishkaar na Facebooku.

I (write your name) _____

*solemnly swear that, since I am
now on the path of innovation,*

*I will not give up until my
innovation, my project is ready.*

*I will hone my skills and tools
and use them well. Innovation
and I will be inseparable.*

*I will always share my
innovations with other
innovators and learn with them.*

Your Signature

A photograph of various LEGO Technic parts scattered on a light-colored wooden surface. The parts include blue, black, orange, and white beams of different lengths, connectors, and gears. A large, semi-transparent blue shape is in the bottom left corner, containing the text 'Do badań Twój zestaw'. A large, semi-transparent watermark 'WWW.SUNNYSOFT.CZ' is oriented diagonally across the center of the image.

Do badań Twój
zestaw

Witamy w Aviskaar

Pobierz aplikację Aviskaar

Pobierz aplikację Avishkaar, skanując poniższe kody QR:



1

Utwórz konto

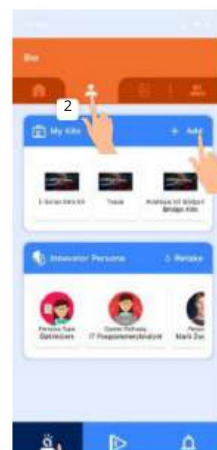
Otwórz aplikację i postępuj zgodnie z instrukcjami wyświetlanymi na ekranie, aby utworzyć konto.



2

Zarejestruj swój zestaw

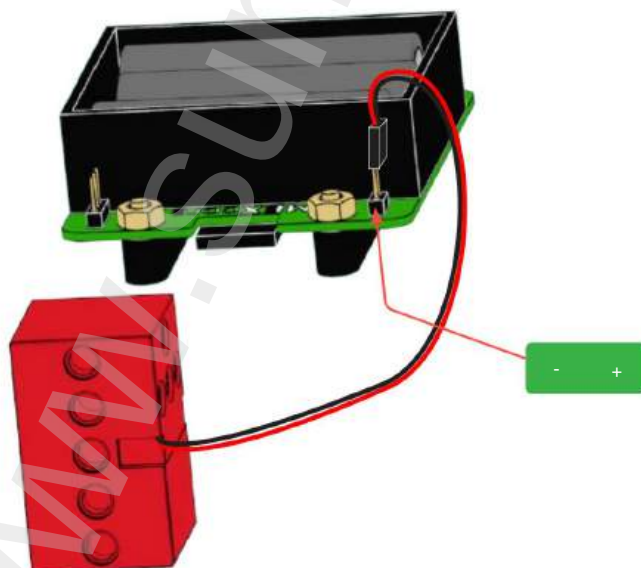
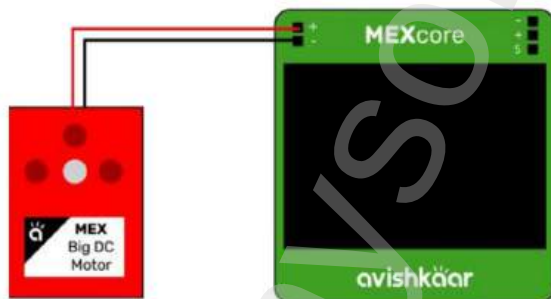
Przejdź do sekcji „Profil” w aplikacji i kliknij „+ Dodaj więcej” w sekcji „Moje zestawy”, aby zarejestrować swój zestaw. Ten krok jest ważny dla późniejszego sterowania robotem.



3

Product Registration
Sticker

Jak podłączyć silnik do MEXcore



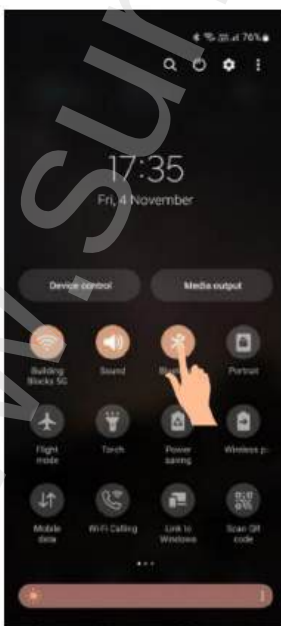
Kontrola aplikacji

- 1 Włóż baterie do MEXcore i włącz urządzenie. Zauważysz, że dioda LED MEXcore miga zielony.

Uwaga – należy używać wyłącznie baterii alkalicznych AA. (Użycie baterii innego typu może spowodować uszkodzenie rdzenia MEX.)



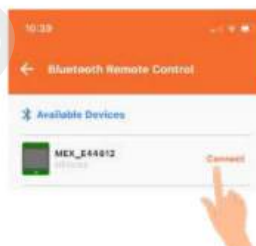
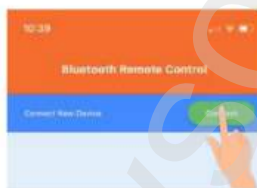
- 2 Włącz Bluetooth w swoim telefonie.



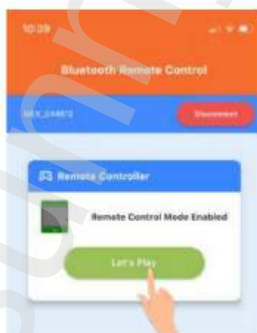
- 3 Otwórz aplikację Avishkaar i kliknij przycisk „Odtwórz” w sekcji „Strona główna”.



- 4 Kliknij „Połącz”.
Twoja aplikacja powinna być w stanie znaleźć Twój MEXcore, jeśli jest włączona. Gdy aplikacja rozpozna Twój MEXcor, kliknij Połącz . "



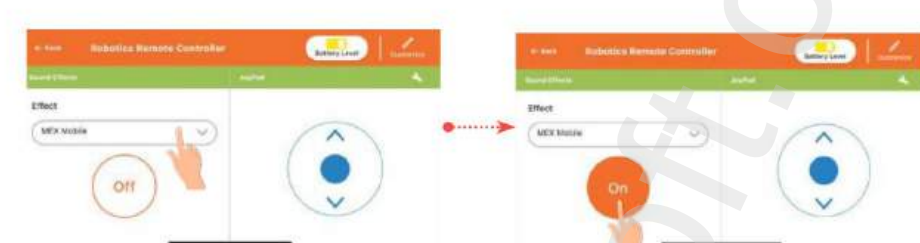
- 5 Kliknij „Zagrajmy” i wybierz „Zestaw startowy MEX Robotics” z menu wyboru zestawu .



- 6 Otworzy się ekran pilota , umożliwiający sterowanie silnikiem LED i dźwiękiem Twojego Tuskera. Baw się dobrze!



Konfiguruj Efekty dźwiękowe



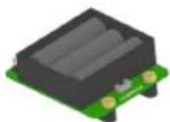
Drażek sterowy



Kontrola

pancerza

Box 1 (Elektronika)



Avishkaar
MEXCore
x 1



Duży silnik prądu
stałego MEX
x 1

Skrzynka 2 (Części budynku)

belka



Belka 15H
x 1



Belka 11H
x2



Belka 9H x 6



Belka 3H x 10

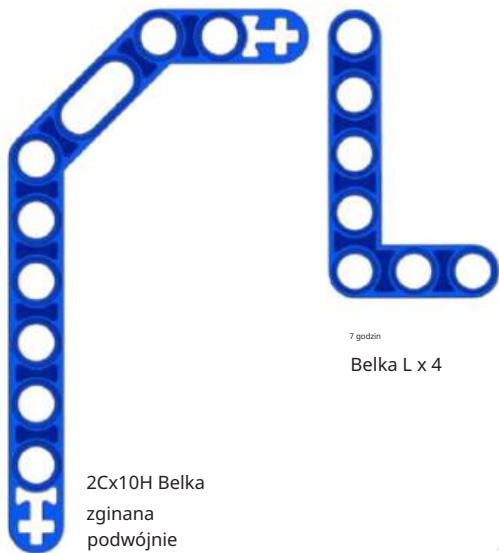


Belka 7H
x5



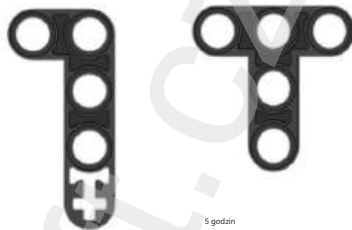
Belka 5H x 4

Uwaga: „H”
oznacza dziury. Np.
Belka 15H oznacza
belka z 15 otworami.



2Cx10H Belka
zginana
podwójnie
x 2

7 godzin
Belka L x 4



1Cx4H
Belka L x 6

5 godzin
Belka teowa
x 4



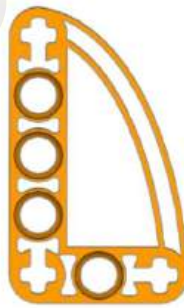
2Cx1H
Cienka wiązka x
2



Belka 1Cx1H x 2



3Cx2H Cienkie-D x 2



3Cx4H Thin-D x 2

PINY



Długa
szpilka
niebieska x 12



Długa szpilka-żółta
x2



Średnia szpilka czarna x 26



Środkowy pin - czarny x 4



Sworzeń osi
środkowej - niebieski
x 4

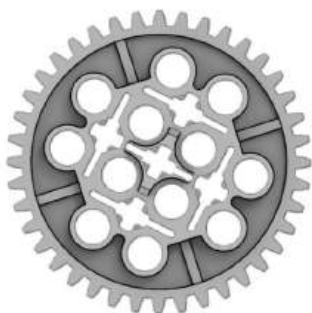


Krótkie szpilki żółte
x 2

Uwaga: C oznacza „krzyż”.

Np. „Belka 1CX4HL ma jeden krzyż i
cztery otwory”.

PRZENOSIĆ



Zębatka-40T x 1



Zębatka 8T
x 2



Przekładnia
ślimakowa -duża
x 1

ZŁĄCZE



Szpilka 3Hx4
Złącze x 2



Wypełniacz osi -
duży x
14



Wypełniacz osi -
mały
x 6

KOŁA



rower
x 4

11. 10. 9. 8. 7. 6. 5. 4. 3. 2. 1.
Otwór Otwór Otwór Otwór Otwór Otwór Otwór Otwór Otwór Otwór Otwór



Belka

Zaradzić

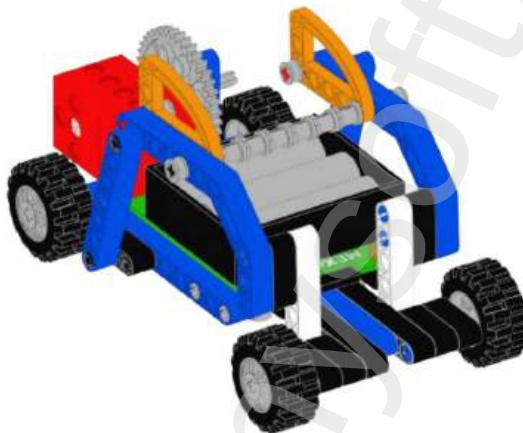


5H

Uwaga: „H” w nazwie osi oznacza belkę, jej wysokość jest równa np. - 5H Oś jest równa wysokości belki 5H.

Projekt: MEX mobile

Budujmy!



Rzeczy, których potrzebujemy



Belka 11H
x2



Belka 5H
x2



2Cx10H
Podwójnie
pochylenie się
belka
x2



Przekładnia zębata czołowa
koło-8T
x 1



7 godzin
belka
x3



7 godzin
Belka L
x2



3Cx4H
Thin-D
x2



3Hx4Pin
Złącze
x2



Belka 9H
x2



Belka 3H
x10



Przekładnia zębata czołowa
40T x 1



Pożywny
osie-duże
x10



Pożywny
osie -
małe x 4



2-gębny
Zaradzić
x2



5H Remedy
x 1



11H
Zaradzić
x2



10H
Zaradzić
x 1



Długi
niebieski jak szpilka
x12



Średni
szpilka-czarna
x18



Koło
x4



Avishkaar
MEXCore
x 1



Duży silnik prądu
stałego MEX
x 1

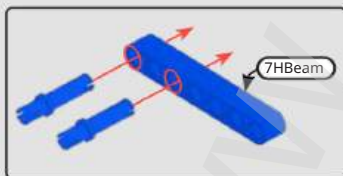
Wskazówka dotycząca montażu



Długie niebieskie szpilki mają dwie różne strony!
Jedna strona może wejść w dwie wiązki jednocześnie,
podczas gdy druga strona może wejść tylko w jedną.
Zwróć uwagę, którą stronę należy włożyć w każdym kroku .



1

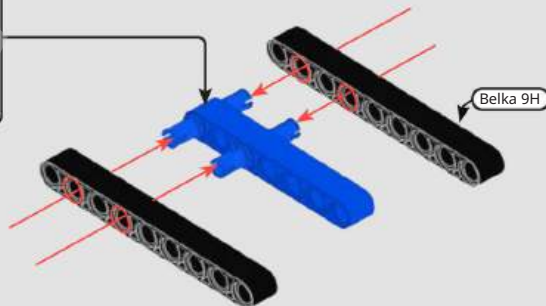


7HBeam

1:1



Długa szpilka-niebieska



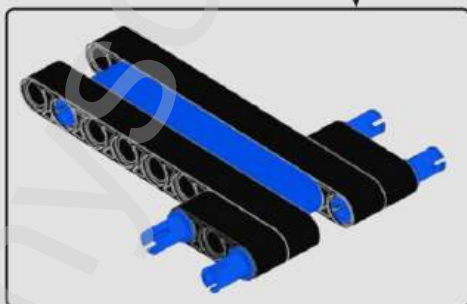
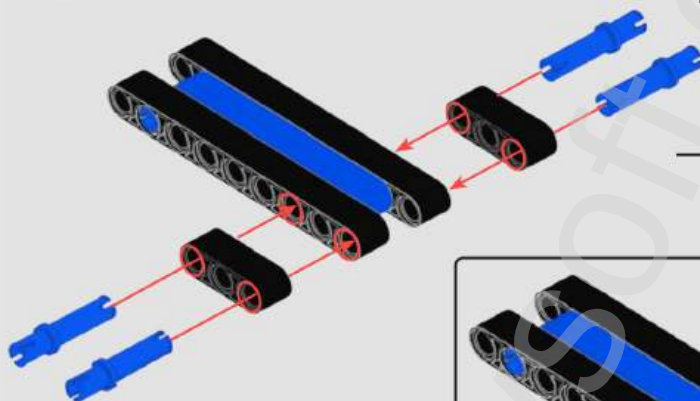
Belka 9H

2

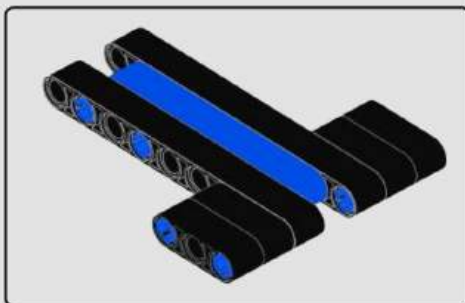
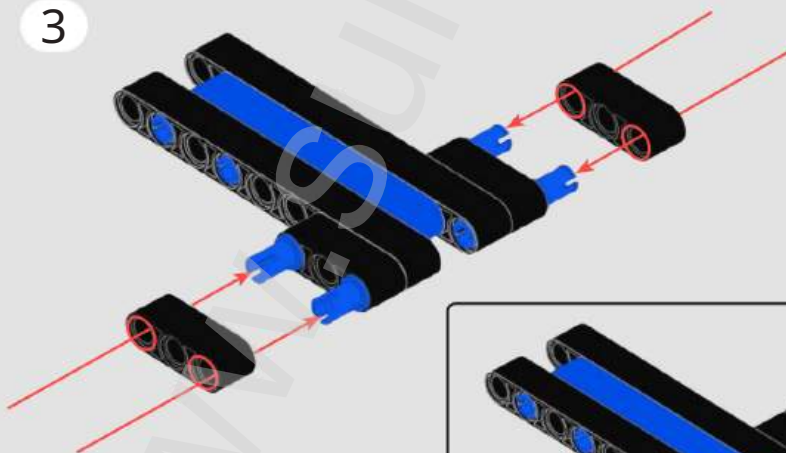
1:1



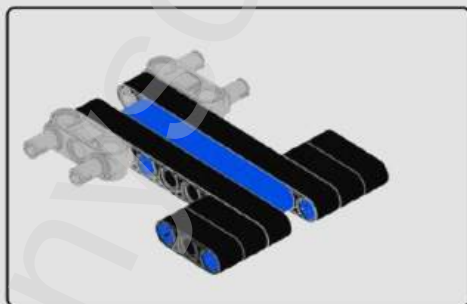
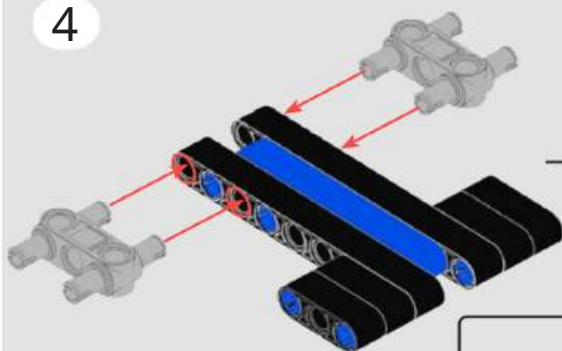
Długa szpilka niebieska



3



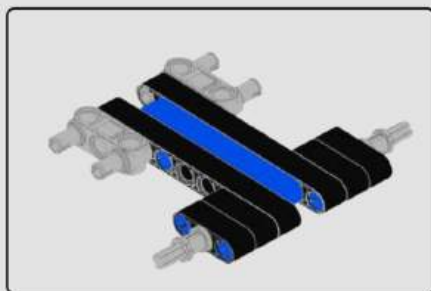
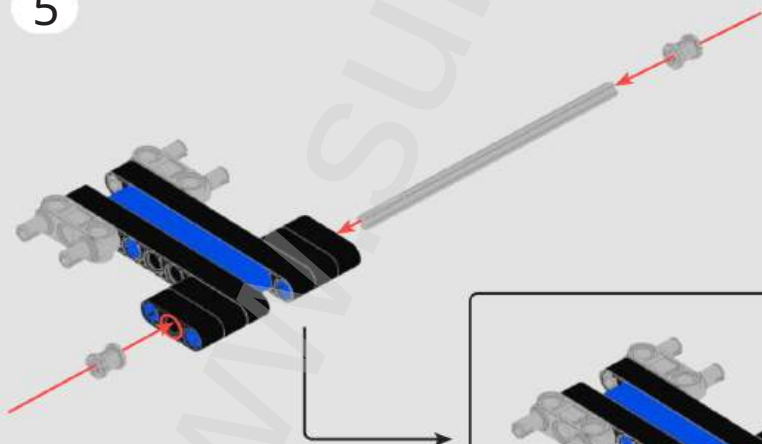
4



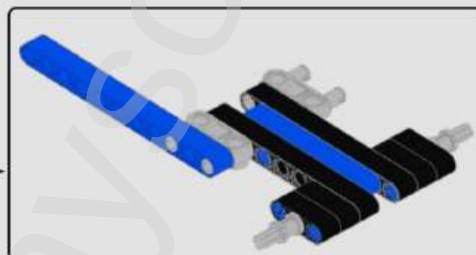
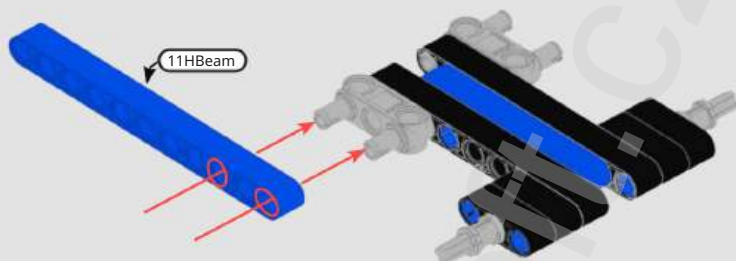
1:1

OŚ 11H

5



6



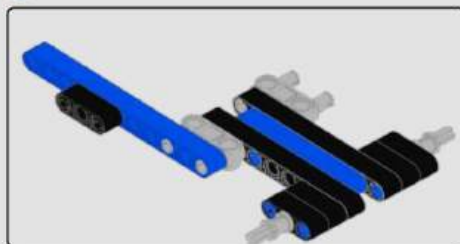
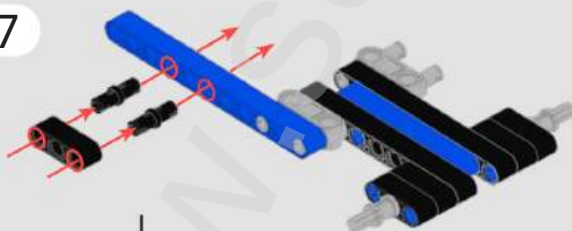
Wskazówka dotycząca montażu



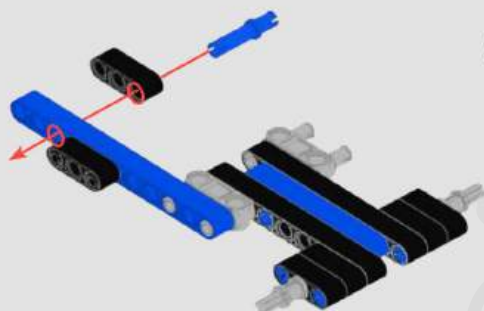
Czarne środkowe piny mogą być nieco trudne do włożenia!
Ale bez obaw. Przepchnij je i upewnij się, że połączenie jest
szczelne. Użyj trochę siły. :)



7



8



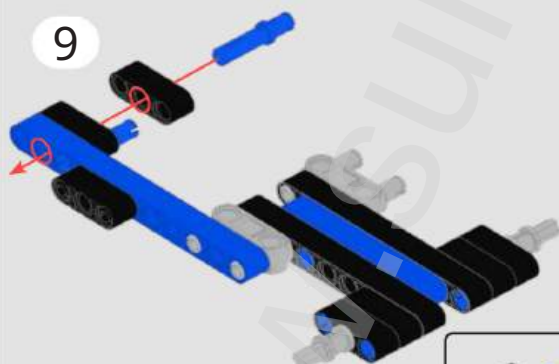
1:1



Długa szpilka-niebieska



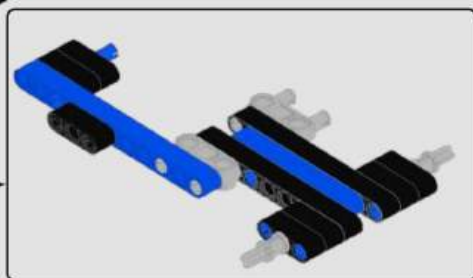
9



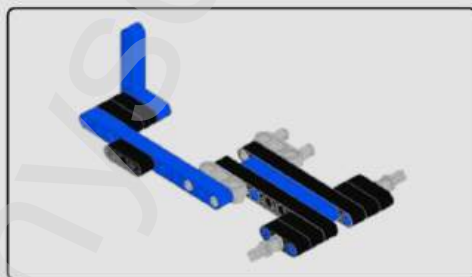
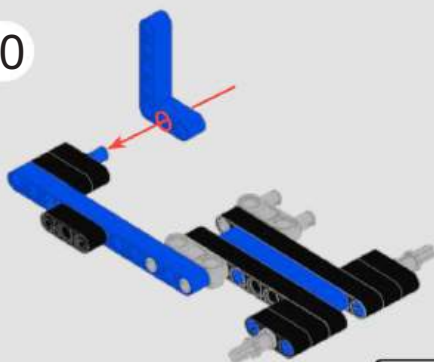
1:1



Długa szpilka-niebieska



10

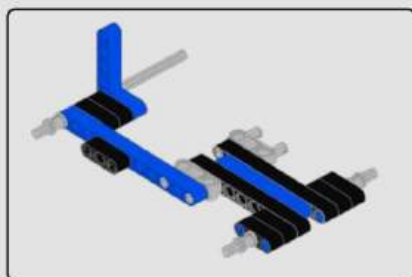
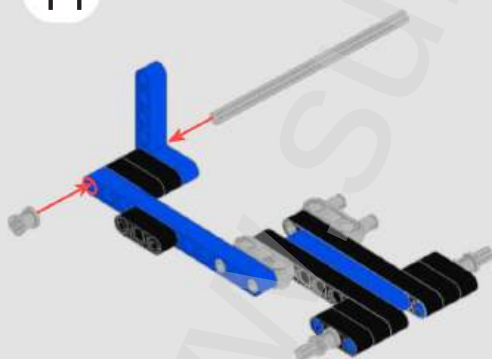


11

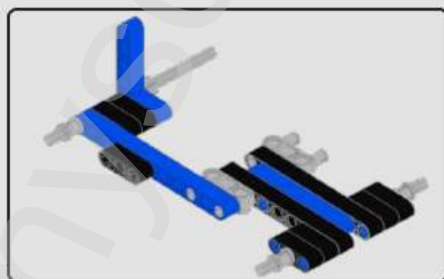
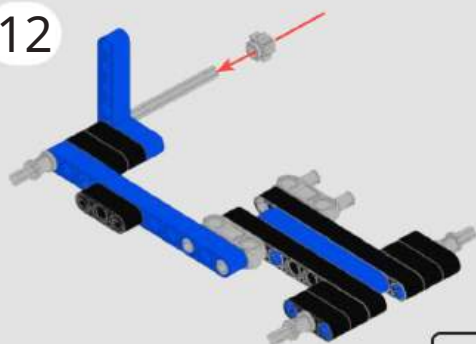
1:1



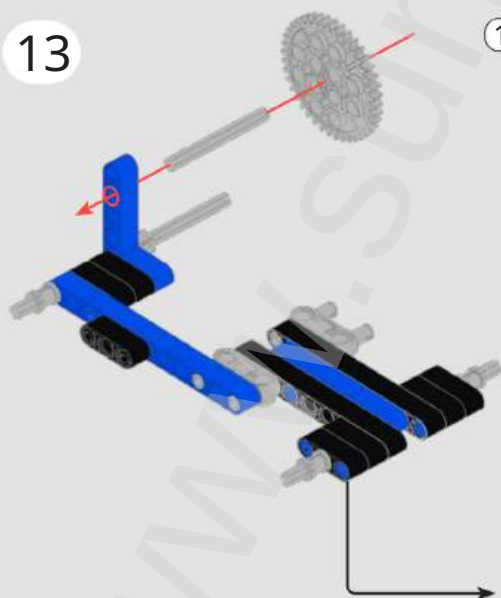
11H Remedy



12



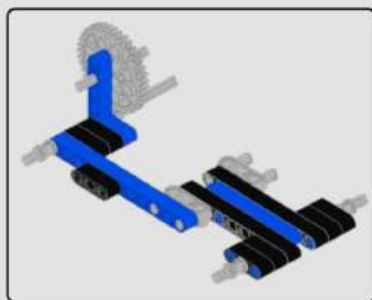
13



1:1

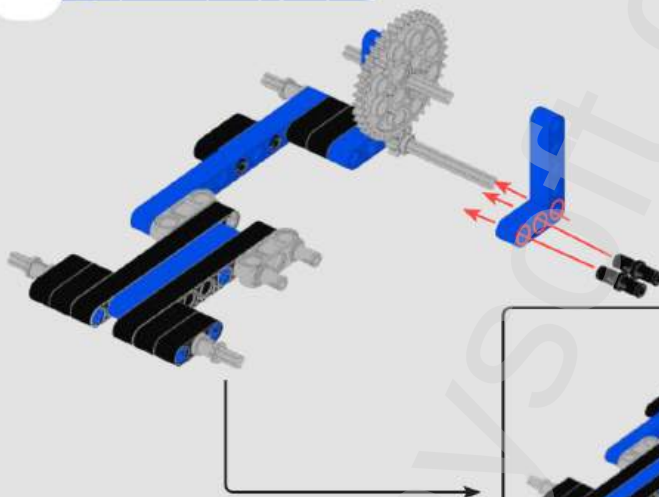


5H Remedy

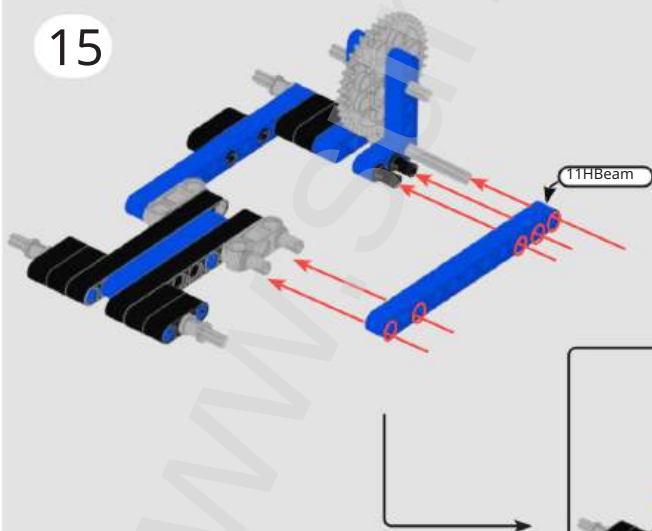


14

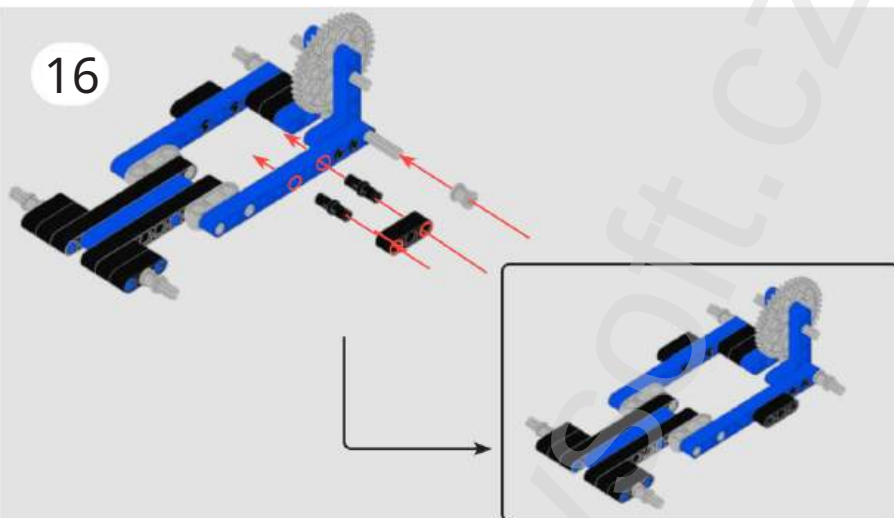
Łuk z przodu, prawy górny róg



15



16



Wpisz, aby złożyć

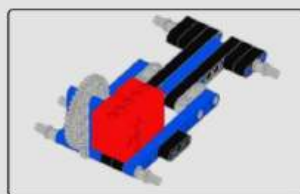
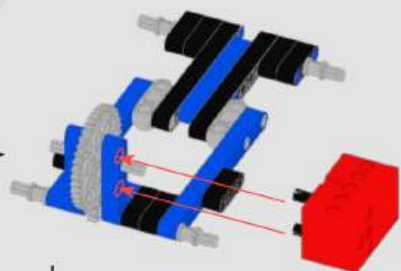
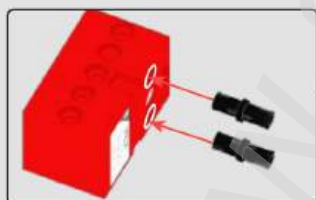


Czarne środkowe piny można włożyć tylko z jednej strony silnika! Czarne piny można włożyć tylko z boku silnika z białą naklejką. Z drugiej strony, z markerem – można używać tylko małych żółtych pinów.



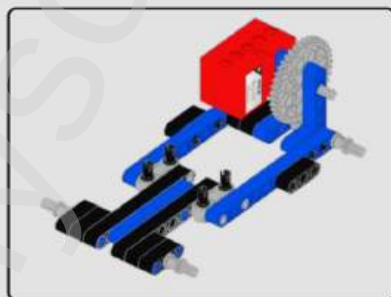
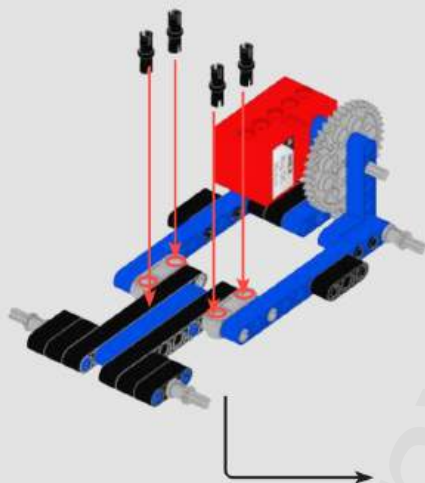
17

ok z tyłu z lewej strony u góry

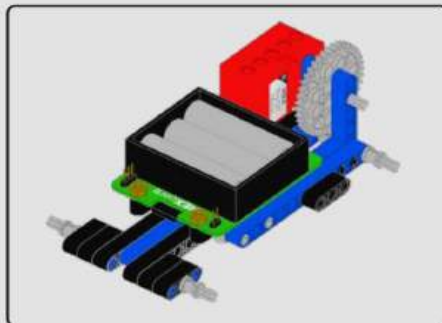
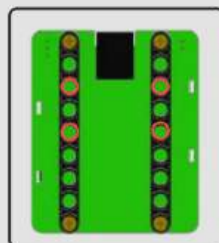
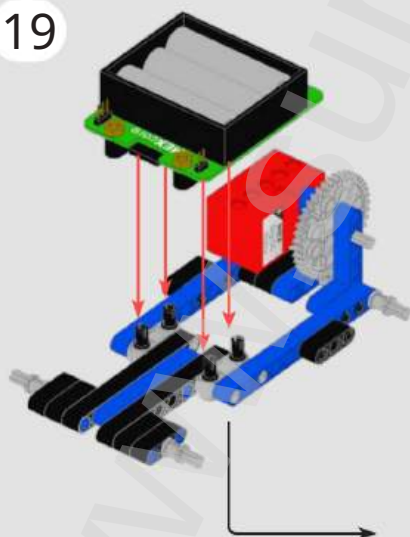


18

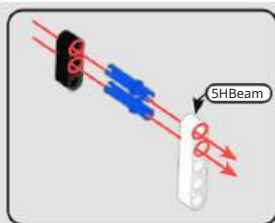
dok z przodu, prawy górny róg



19



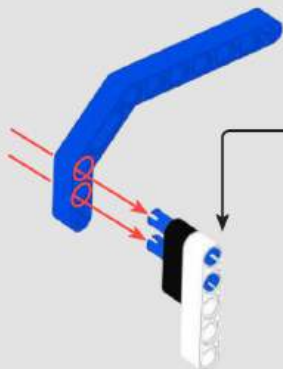
19



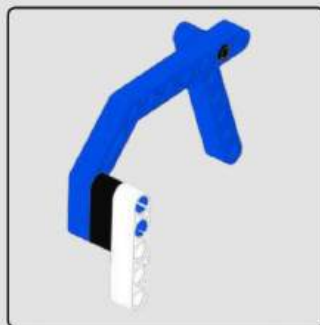
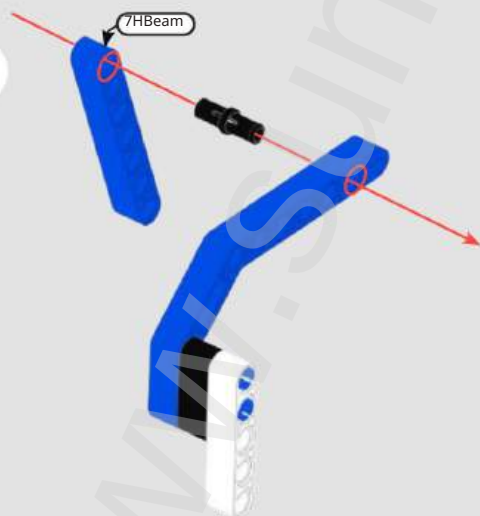
1:1



Długa szpilka niebieska



20

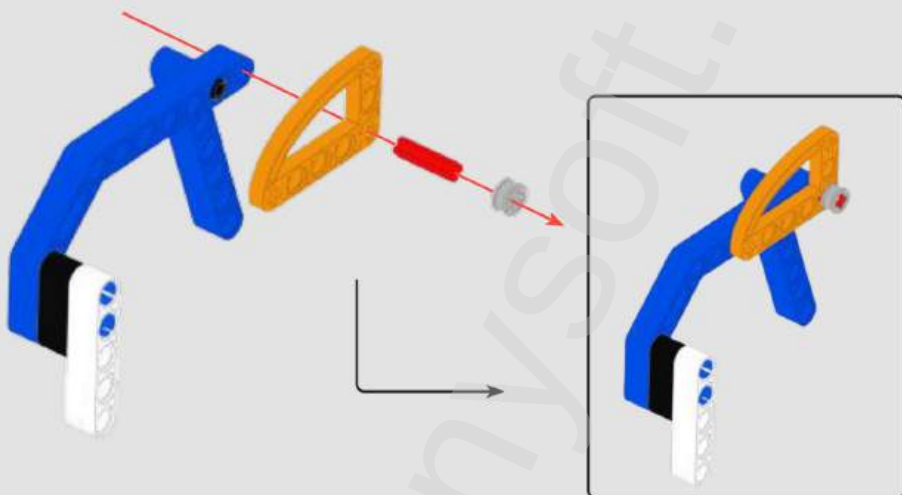


21

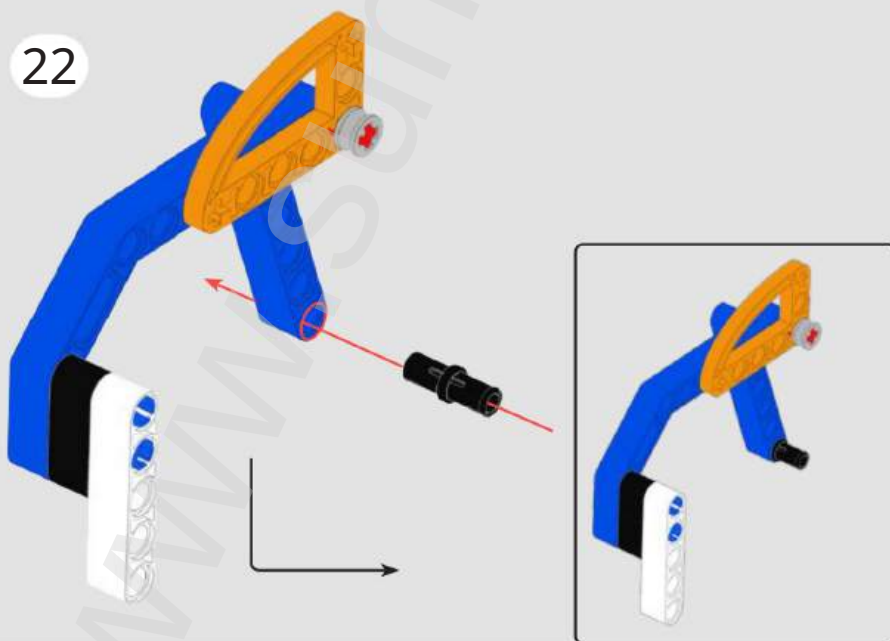
1:1



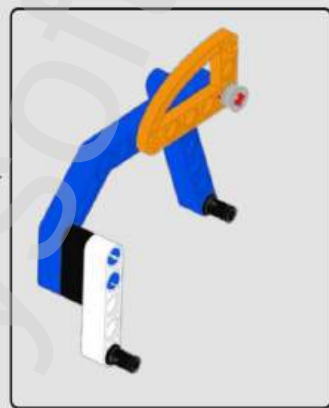
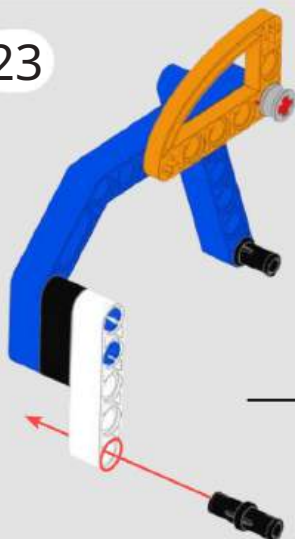
2H Remedy



22



23



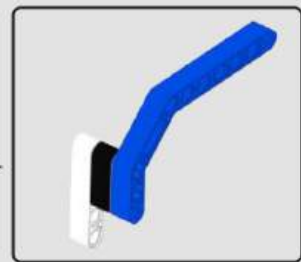
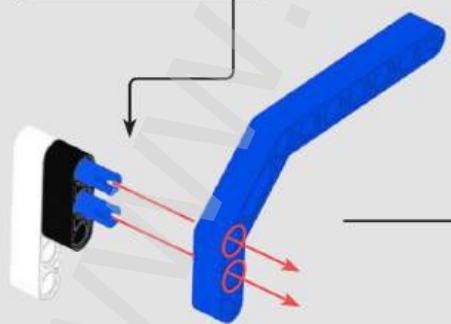
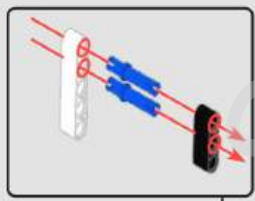
Zróbmy stronę lustrzaną.

24

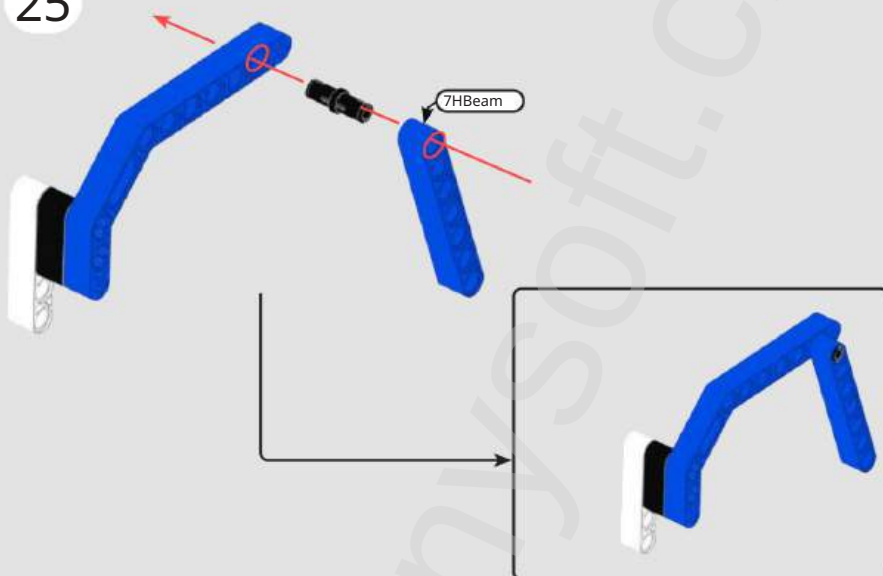
1:1



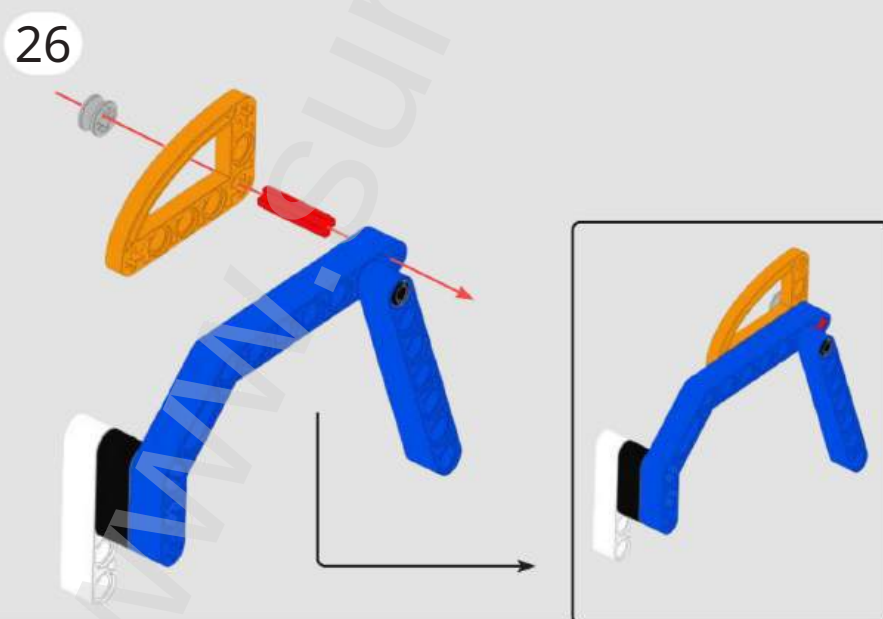
Długa szpilka niebieska



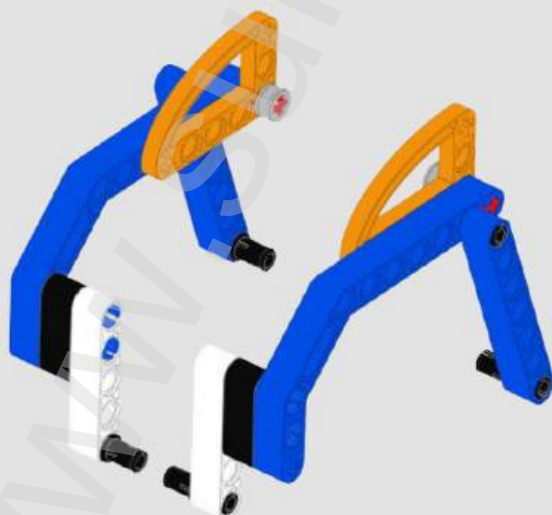
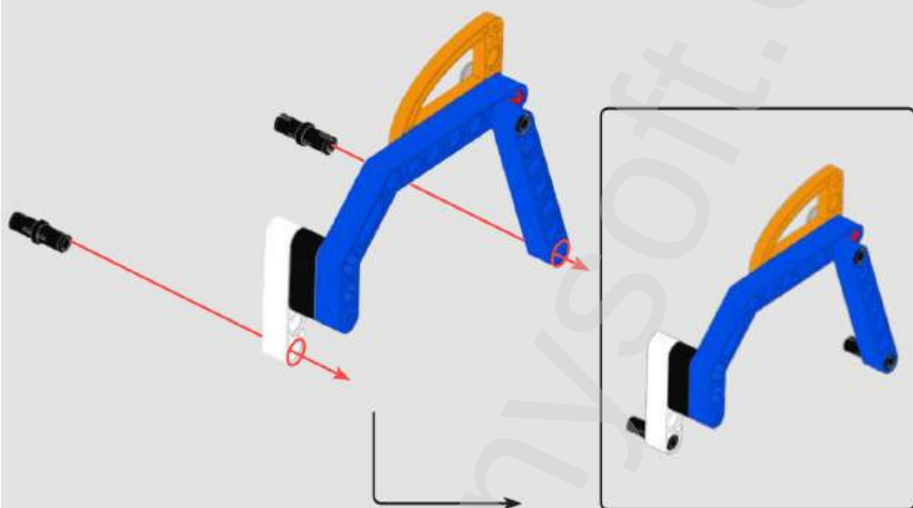
25



26



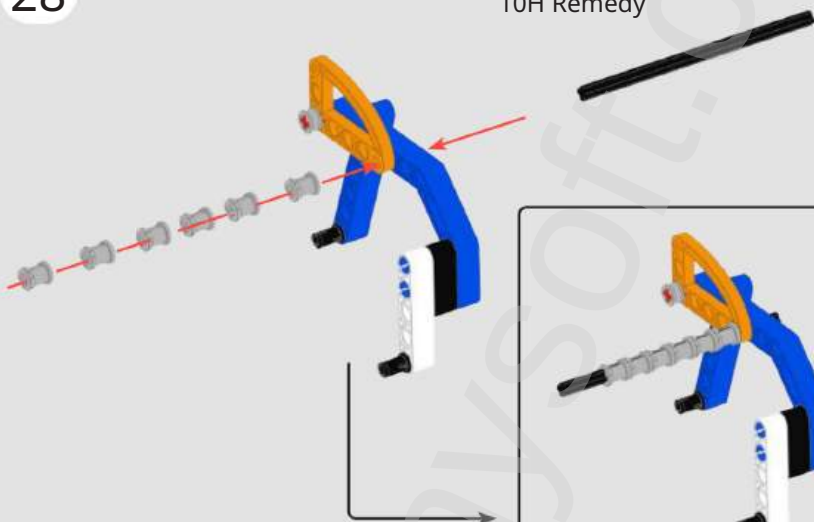
27



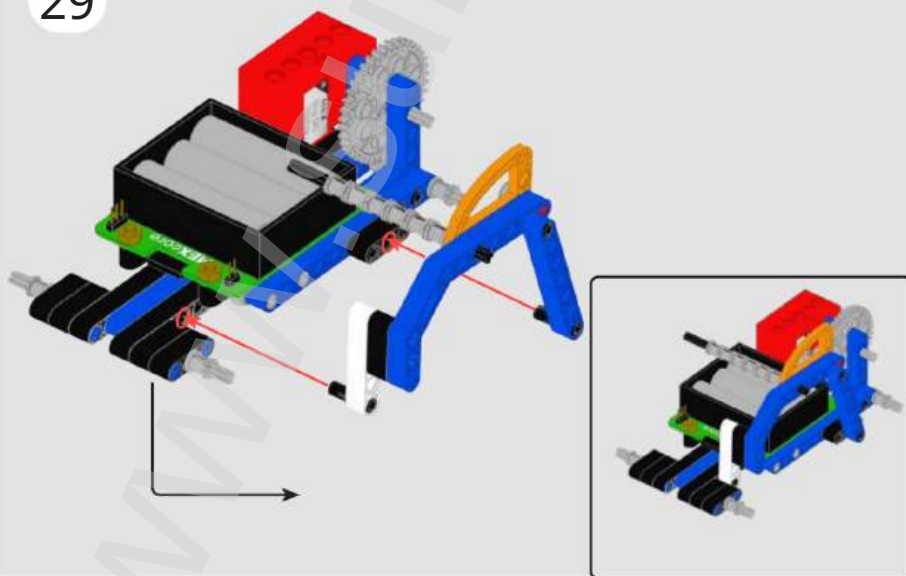
28

1:1

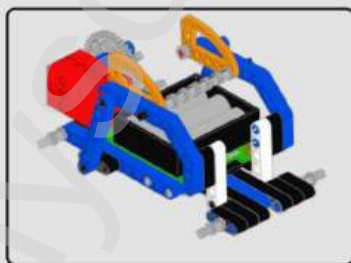
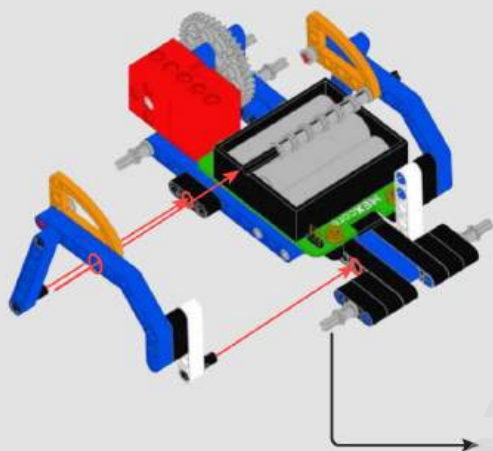
10H Remedy



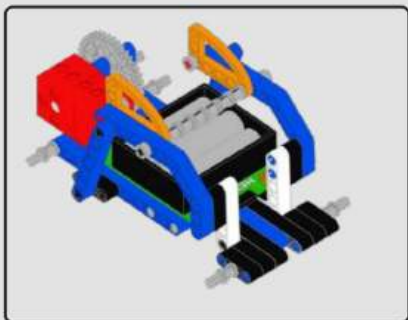
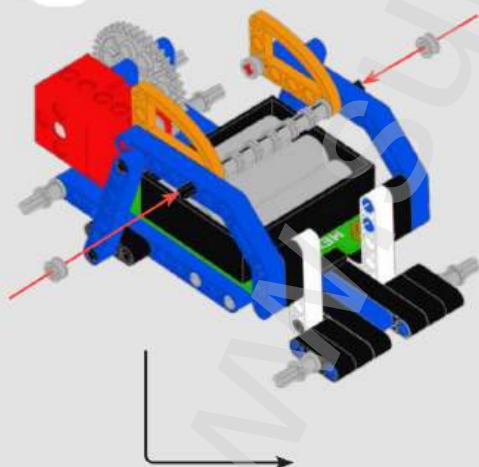
29



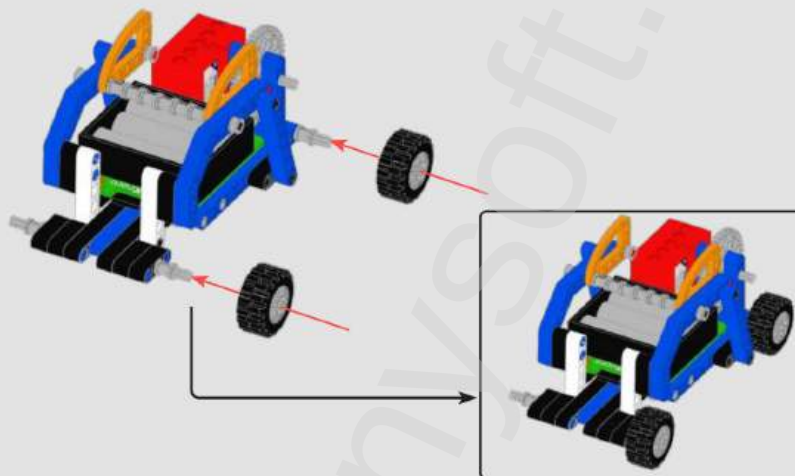
30



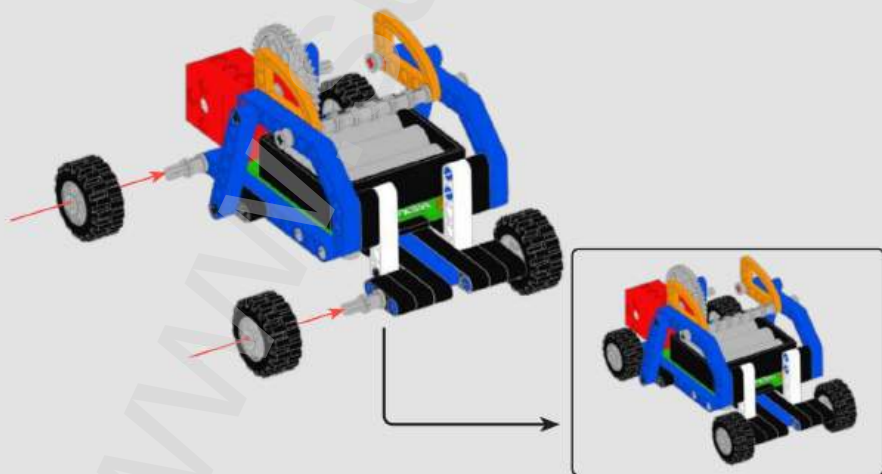
31



32



33



Gratulacje z okazji ukończenia studiów tego projektu!

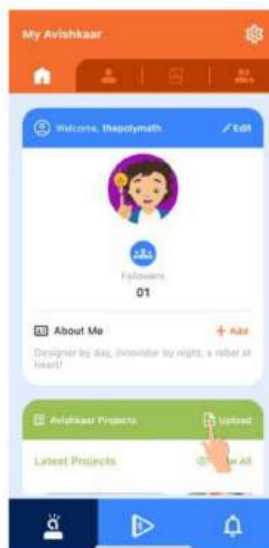
Lubisz się nim bawić, używając aplikacji mobilna avishkaar?
Szczegółowe instrukcje dotyczące pobierania aplikacji i sterowania robotem za jej pomocą znajdziesz na stronie 8.



Podziel się swoim dziełem ze światem i zdobądź odznakę „Scratch the Surface” poziomu 1

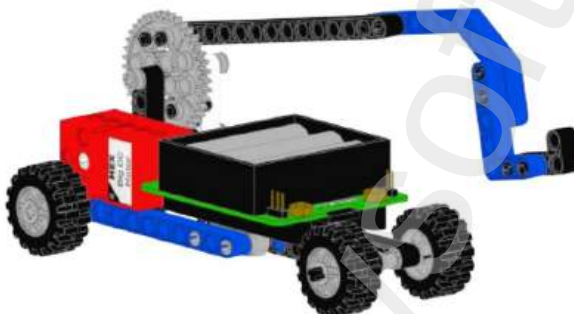
Prześlij zdjęcia lub filmy ze swojego projektu, korzystając z sekcji projektów w aplikacji Avishkaar, i wygraj odznakę poziomu „Scratch the Surface”

1. Zobacz wszystkie swoje kolekcje Odznaki w sekcji osiągnięć na Twoim profilu na www.avishkaar.cc. Odkryj wszystkie inne odznaki, które chcesz zebrać i zdobądź je wszystkie!



Projekt 2: Żuraw

Budujmy!



Rzeczy, których potrzebujemy



15 godzin
Belka
x 1



11H
Belka
x2



9H
Belka
x2



Belka 5H
x 1



3 godzin
Belka
x6



5 godzin
Belka T
x2



2Cx10H
Podwójne
pochylenie się
Belka
x 1



Belka kątowa 7H
x 1



1Cx4H
Belka L
x 1



Czołowy
koło zębate
40T x 1



Przekładnia zębata czołowa
koło gwiazdowe-8T
x 1



3Hx4Pin
Złącze
x2



Pożywny
osie-duże
x5



Pożywny
osie - małe
x3



5 godzin
Zaradzić
x 1



11H
Środek
zaradczy x 1



6H
Środek
zaradczy x 1



Oś 8H x 1



Krótki
pin-żółty
x2



Długa szpilka
w kolorze niebieskim
x 5



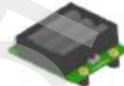
Średnia
szpilka-czarna
x16



Koło
x 4



MEX duży
DC
silnik



Avishkaar
MEXCore
x 1

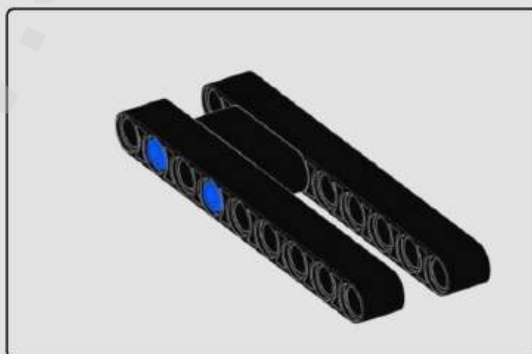
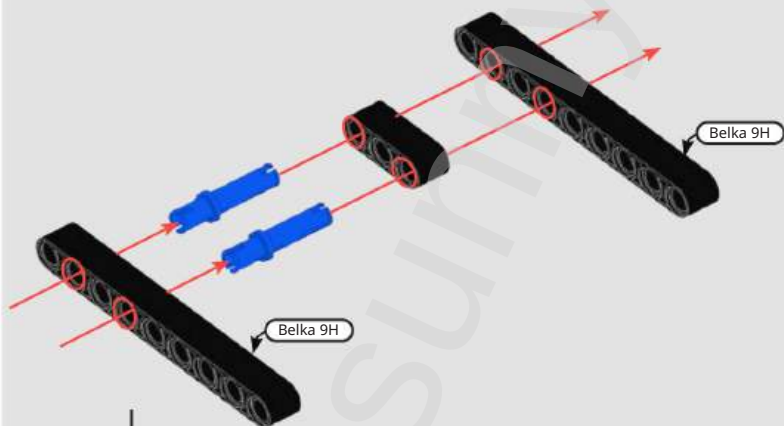
x 1

1

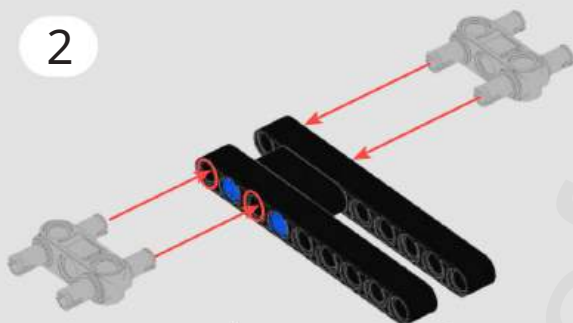
1:1



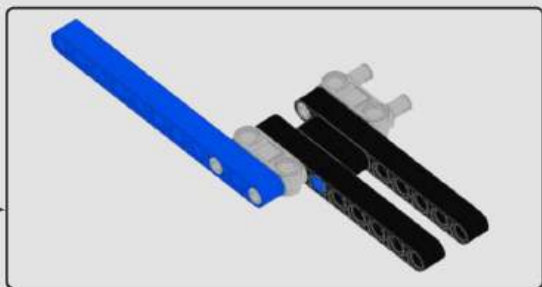
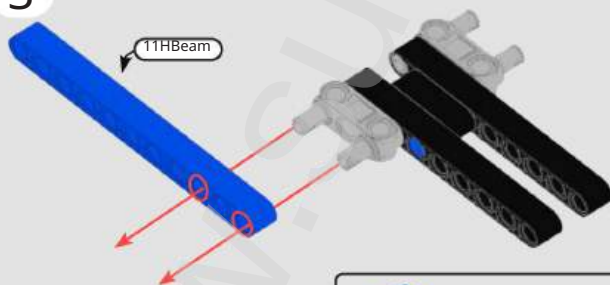
Długa szpilka-niebieska



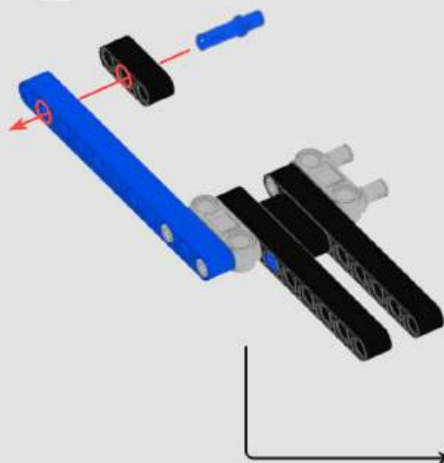
2



3



4



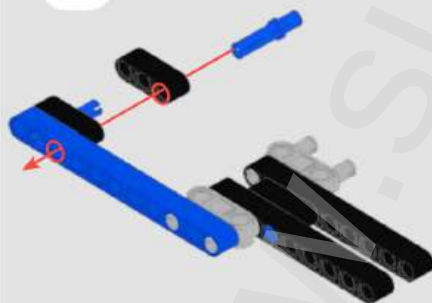
1:1



Długa szpilka-niebieska



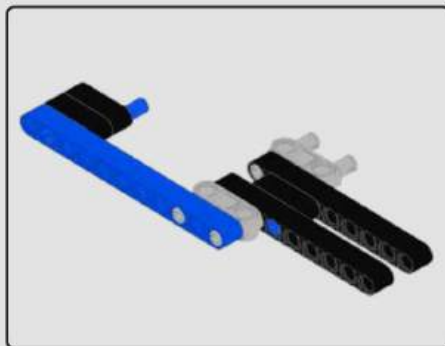
5



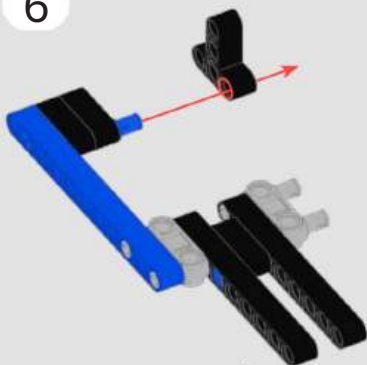
1:1



Długa szpilka-niebieska



6



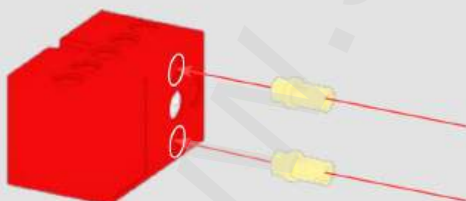
Wskazówka dotycząca montażu



Krótkie żółte szpilki mogą być trochę cienkie ! Uważaj podczas ich używania . Łatwo się łamią. A także... mogą być trudne do usunięcia – poproś rodzica lub osobę dorosłą o pomoc w ich bezpiecznym usunięciu REMOVED.



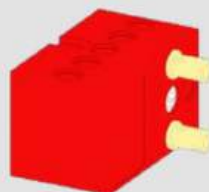
7



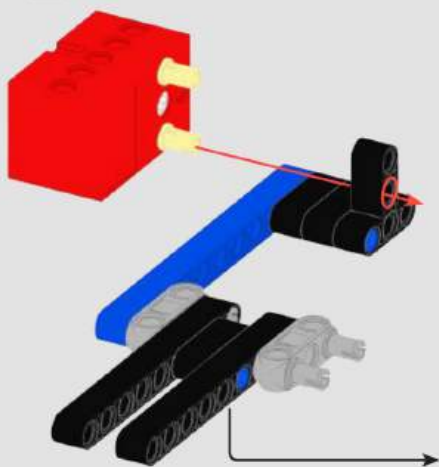
1:1



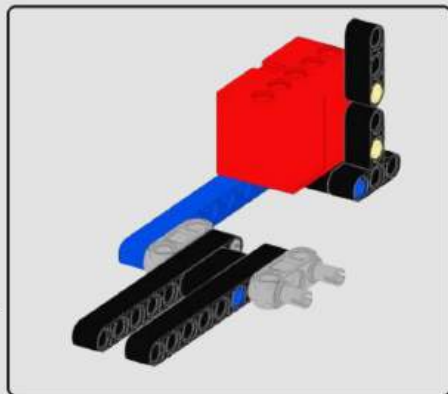
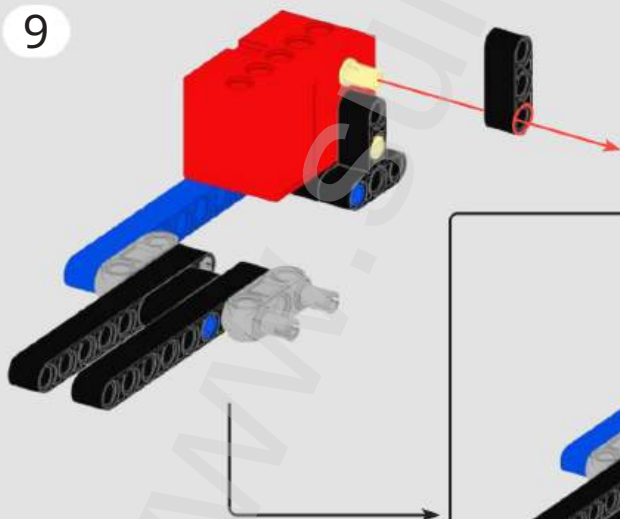
Krótki pin żółty



8



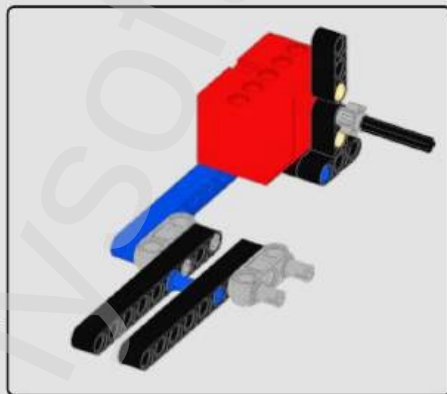
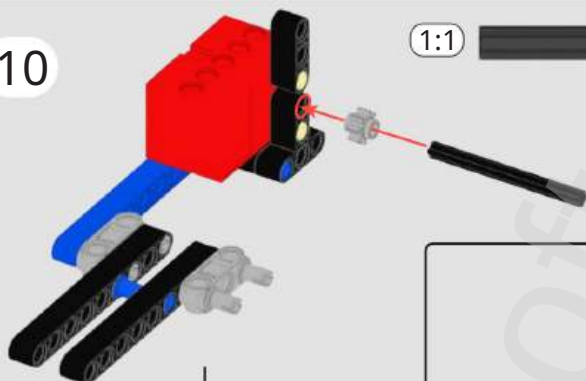
9



10

1:1

6H Remedy

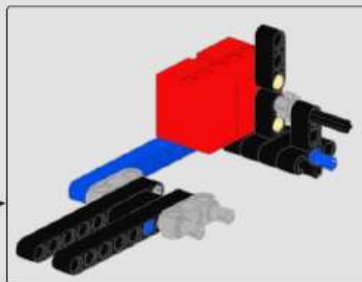
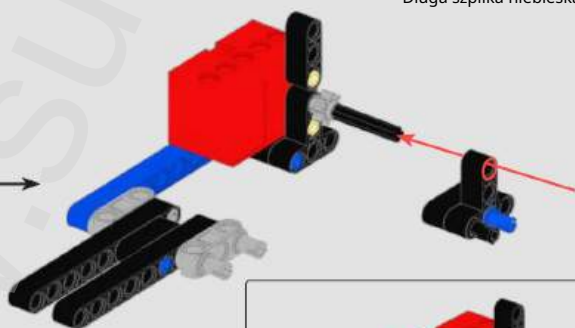
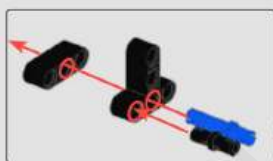


11

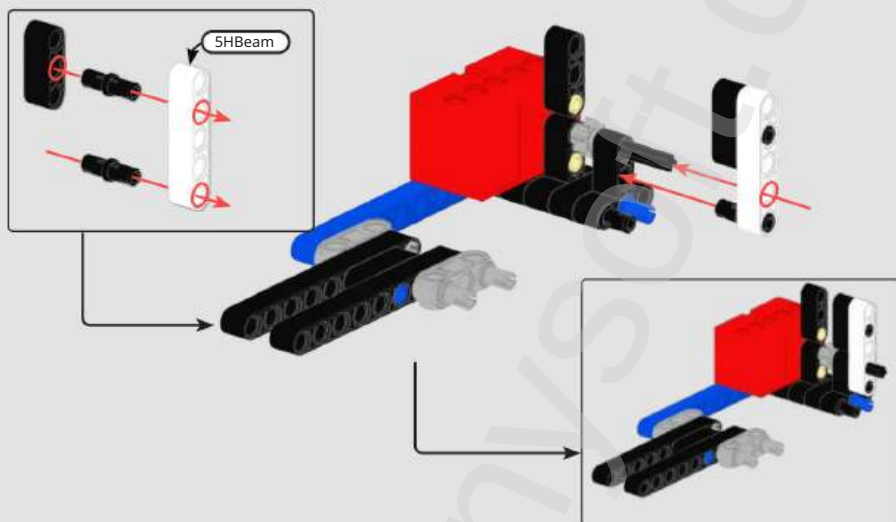
1:1



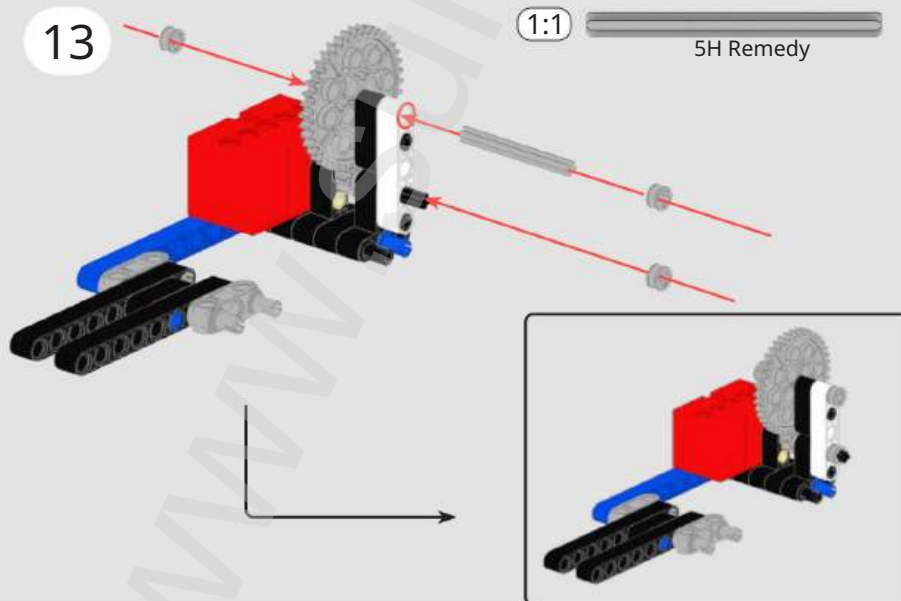
Długa szpilka-niebieska



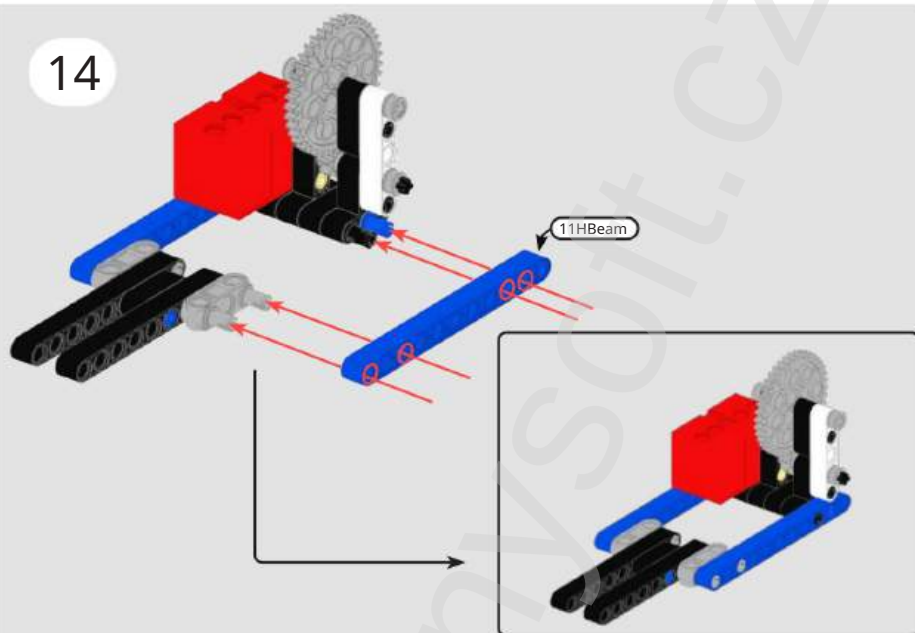
12



13



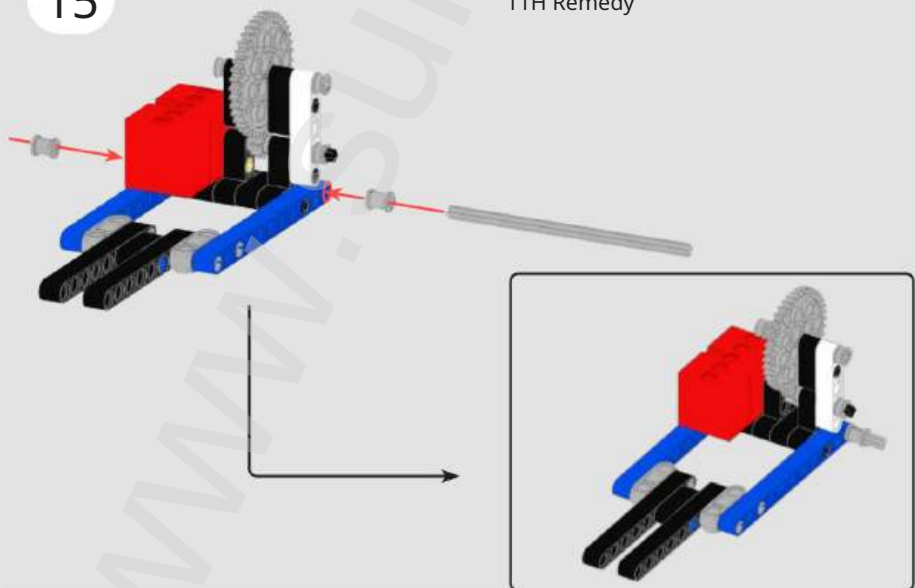
14



15

1:1

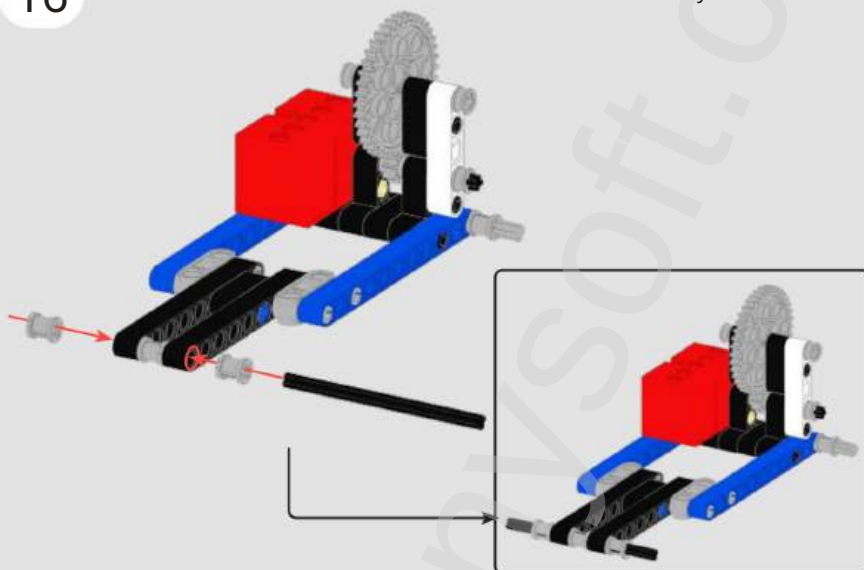
11H Remedy



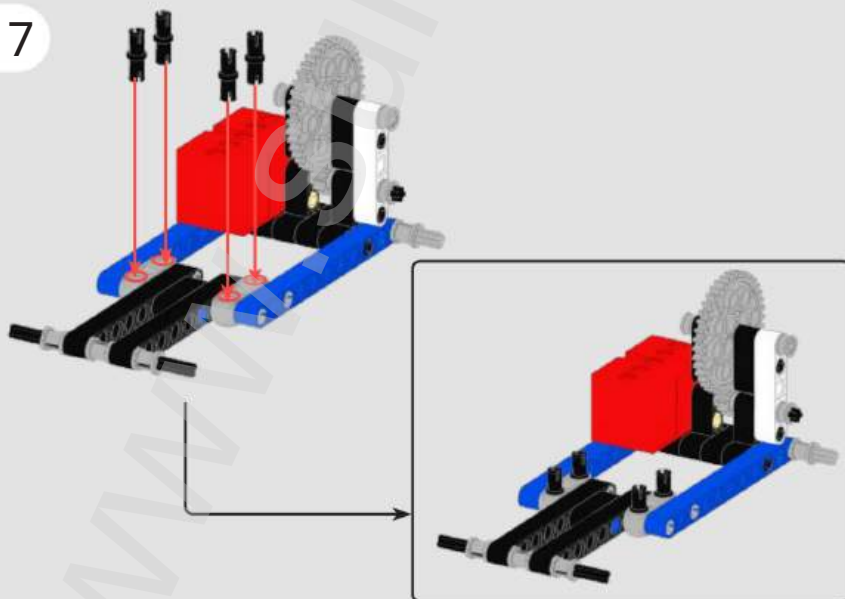
16

1:1

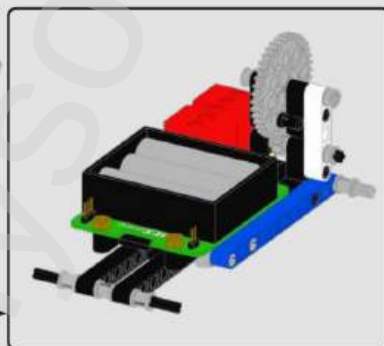
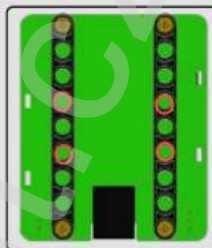
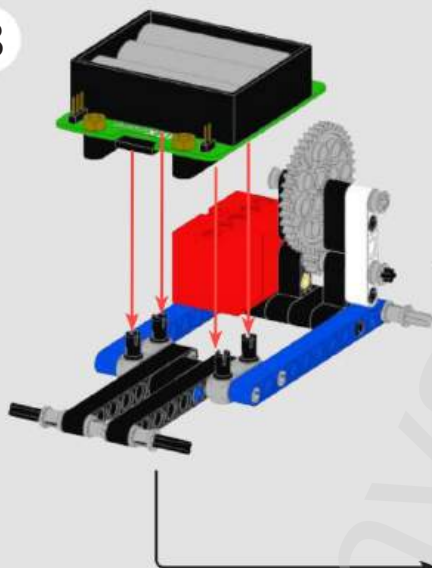
8H Remedy



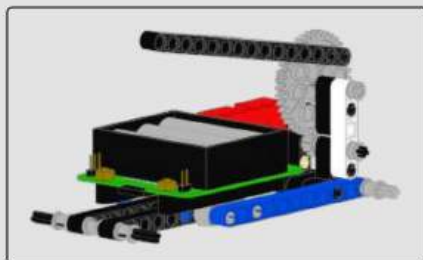
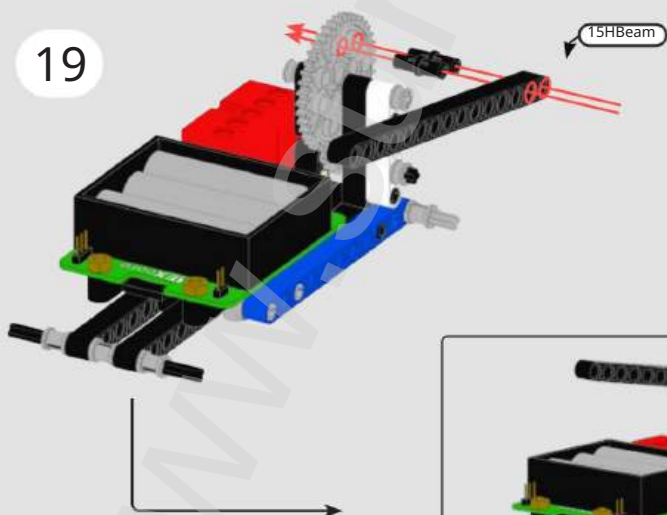
17



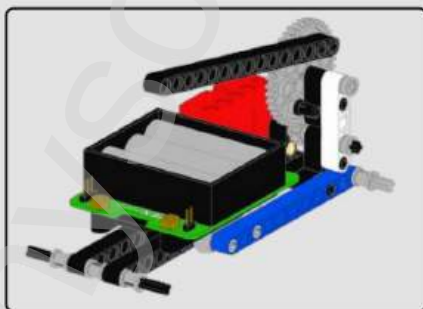
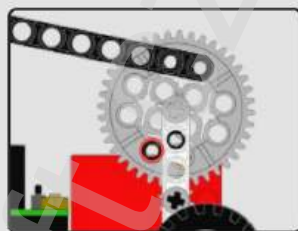
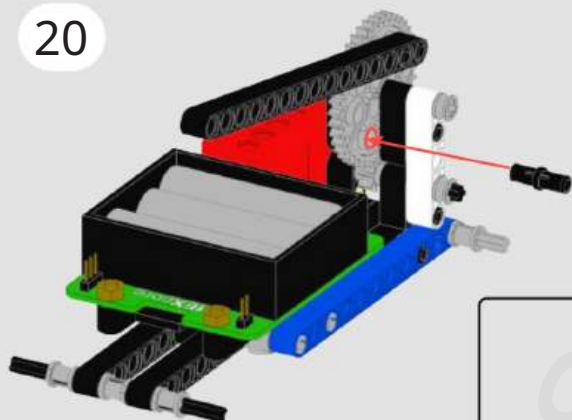
18



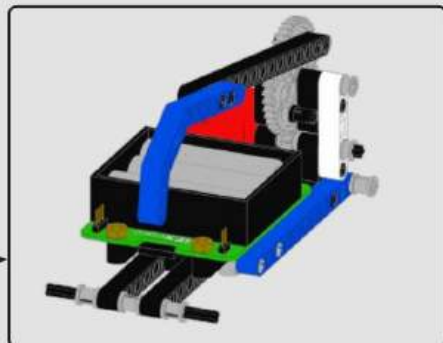
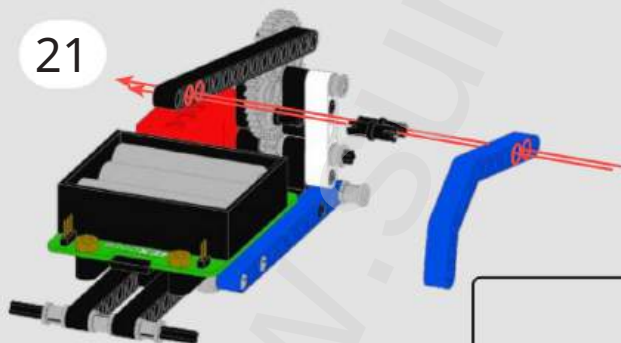
19



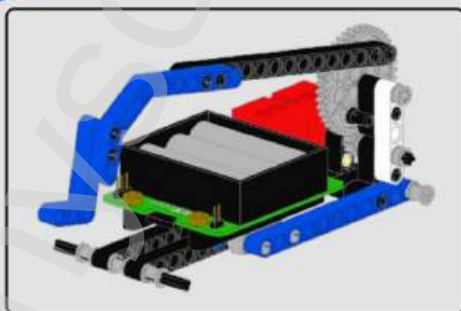
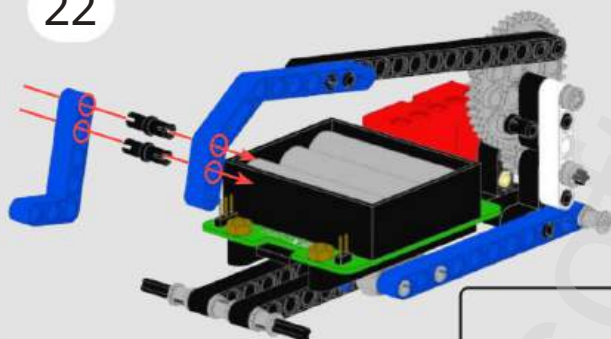
20



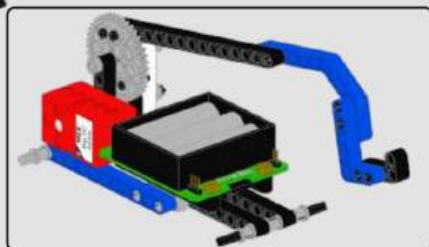
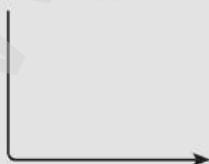
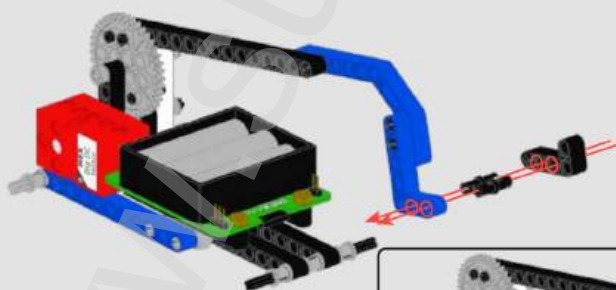
21



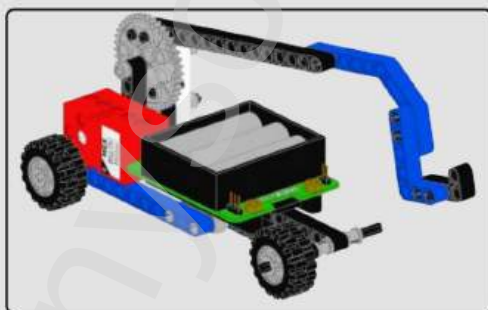
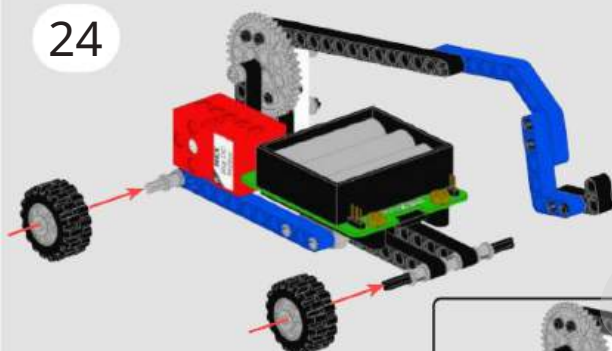
22



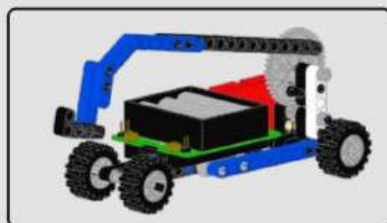
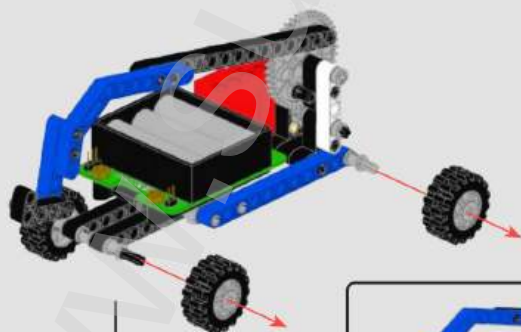
23



24



25



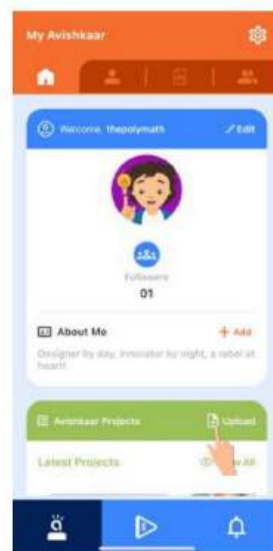
Gratulacje z okazji ukończenia studiów tego projektu!

Lubisz się nim bawić, używając aplikacji mobilna avishkaar?
Szczegółowe instrukcje dotyczące pobierania aplikacji i sterowania robotem za jej pomocą znajdziesz na stronie 8.



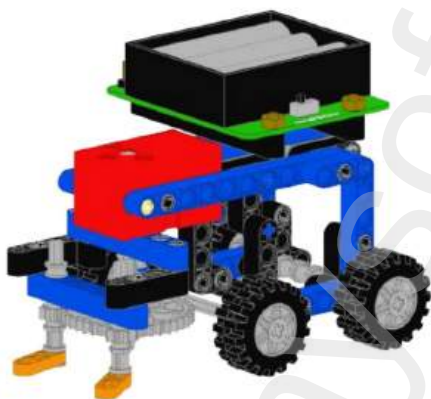
Podziel się swoim dziełem ze światem i zdobądź odznakę „Scratch the Surface” poziomu 2

Prześlij zdjęcia lub filmy przedstawiające Twój projekt, korzystając z sekcji projektu w aplikacji Avishkaar, aby zdobyć odznakę „Scratch the Surface” poziomu 2.
Zobacz wszystkie swoje kolekcje Odznaki w sekcji osiągnięć na Twoim profilu na www.avishkaar.cc. Odkryj wszystkie inne odznaki, które chcesz zebrać i zdobądź je wszystkie!



Projekt 3: Pług śnieżny

Budujmy!



Rzeczy, których potrzebujemy



11H
Belka
x2



7 godzin
Belka
x4



3 godzin
Belka
x2



Belka kątowna 7H
x2



5HT
Belka
x4



1Cx4H
Belka L
x4



2Cx1H
Cienka wiązka
x2



Czołowy
koło zębate
40T x 1



Przekładnia zębata czołowa
koło-8T x 2



Szpilka 3Hx4
Złącze
x2



Pożywny
osie-duże
x11



Pożywny
osie - małe
x3



5H Oś kryta x
2



11H
Lekarstwo
x 2



Oś 6H x 1



Krótki
Szpilka
żółta x 2



Długa szpilka
w kolorze niebieskim
x 5



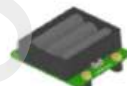
Średni
Szpilka
czarny
x 20



Sworzeń osi
środkowej - niebieski
x 2



Koło x 4



Avishkaar
MEXCore
x 1



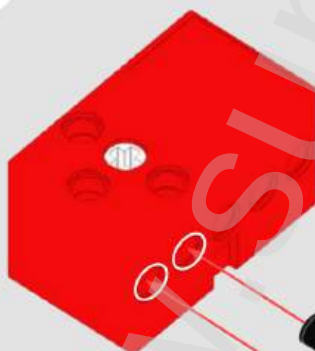
MEX duży
Silnik
prądu
stałego x 1

1

1:1



Krótki pin żółty

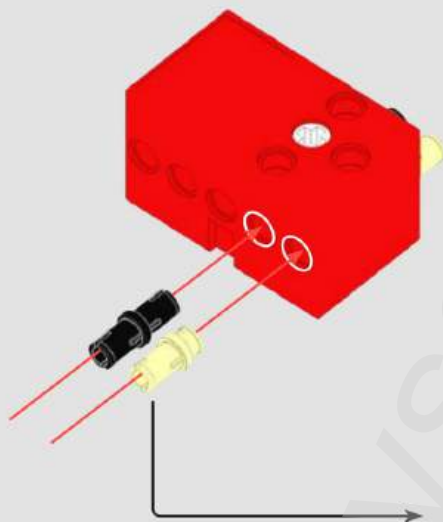


2

1:1



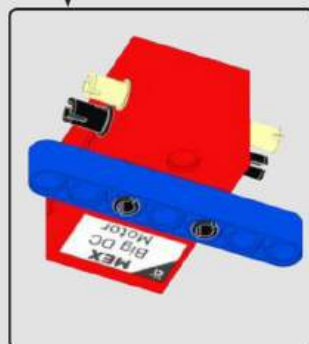
Krótki pin żółty



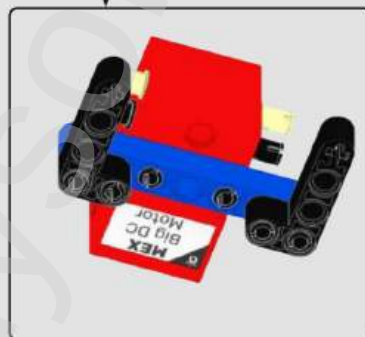
3



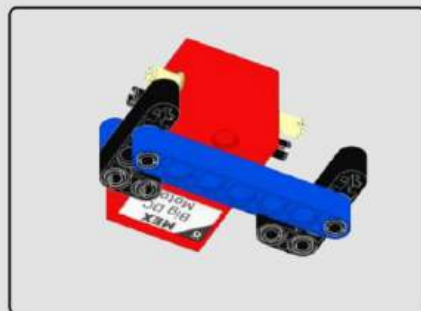
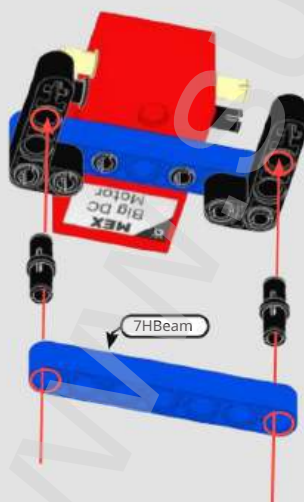
Widok z przodu , prawy dolny róg



4



5



6

Widok z tyłu, lewy dolny róg

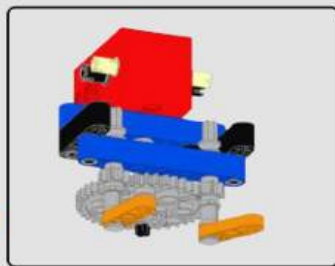
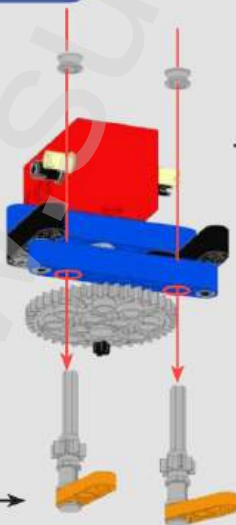
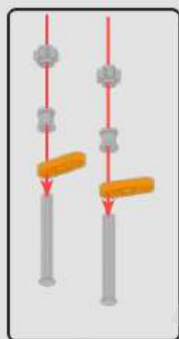
1:1

6H Remedy



7

Widok z przodu, lewy dolny róg

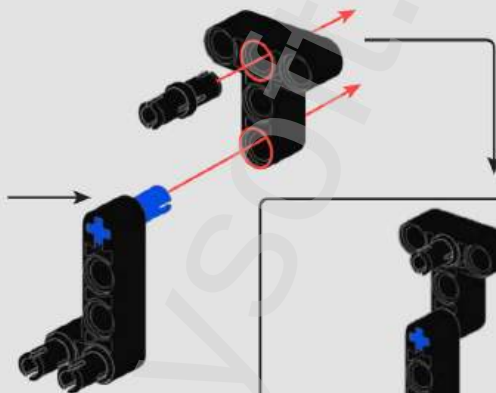
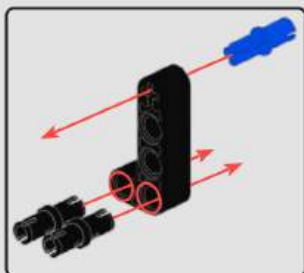


8

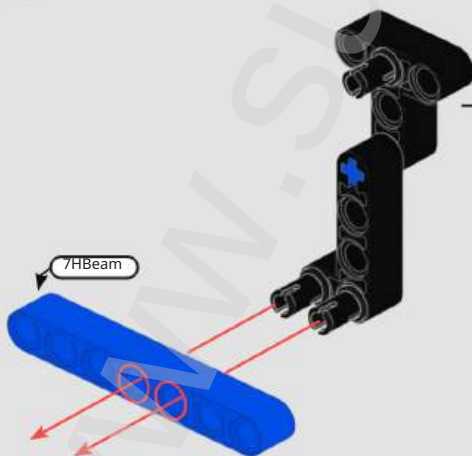
1:1



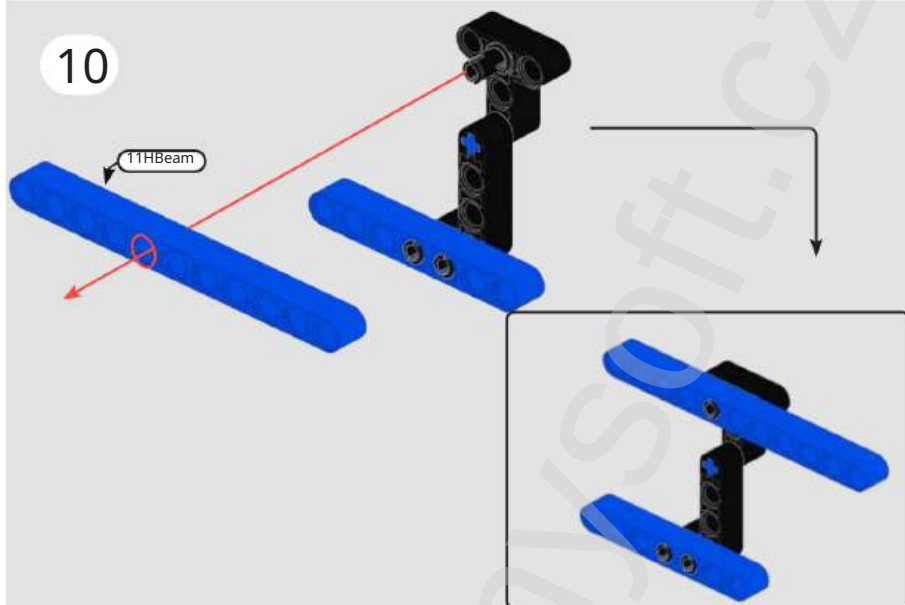
Sworzeń osi środkowej niebieski



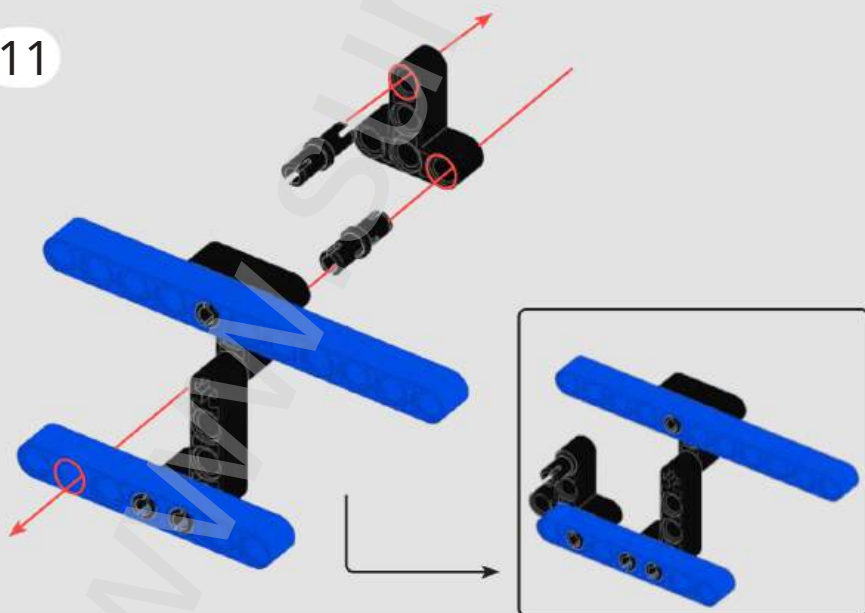
9



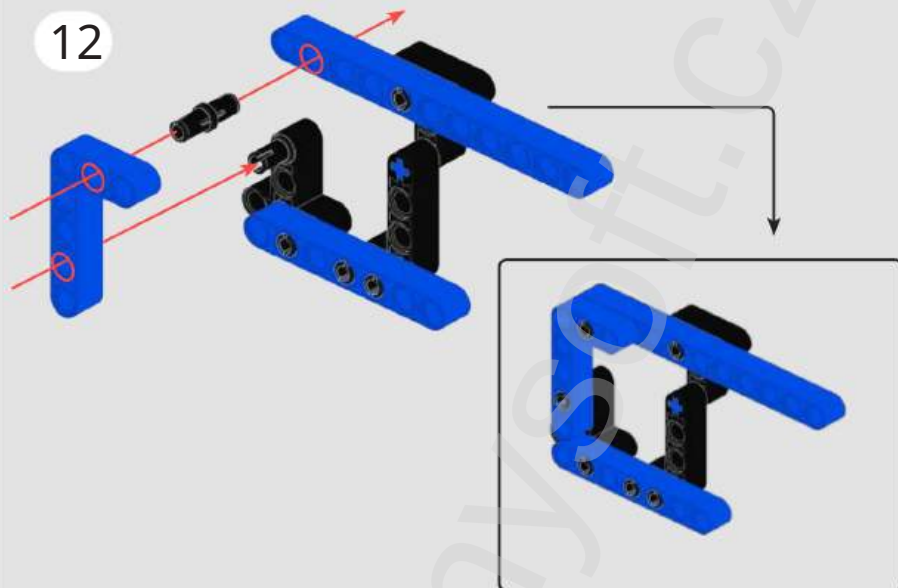
10



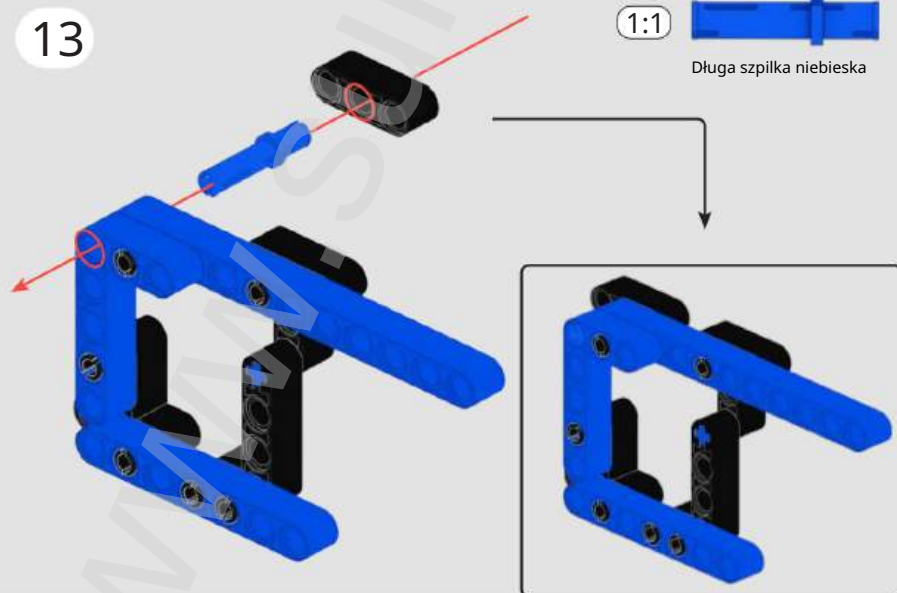
11



12



13



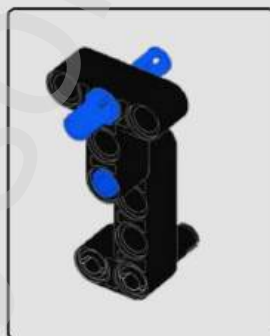
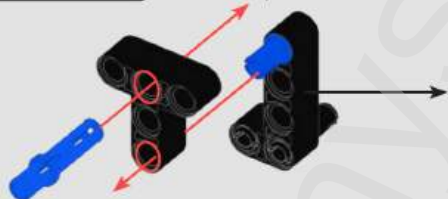
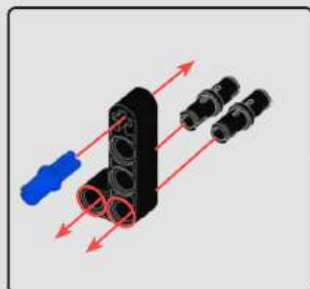
14

Zróbmy drugą stronę.

1:1

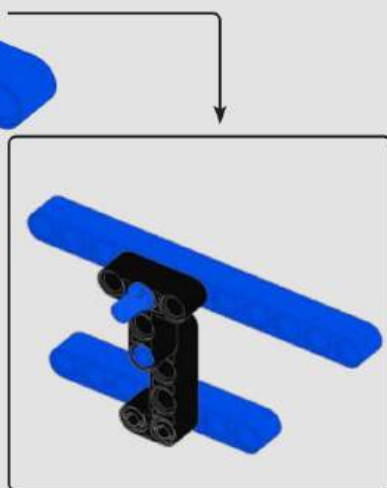
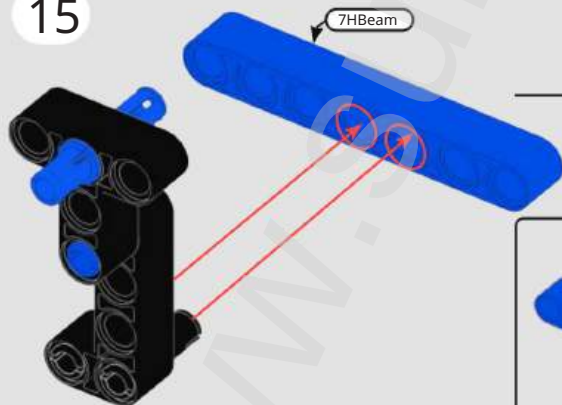


Sworzeń osi środkowej niebieski

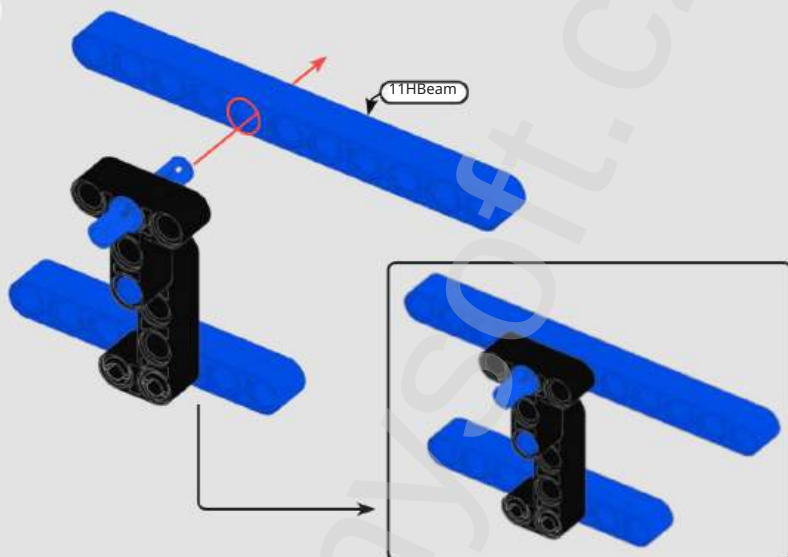


15

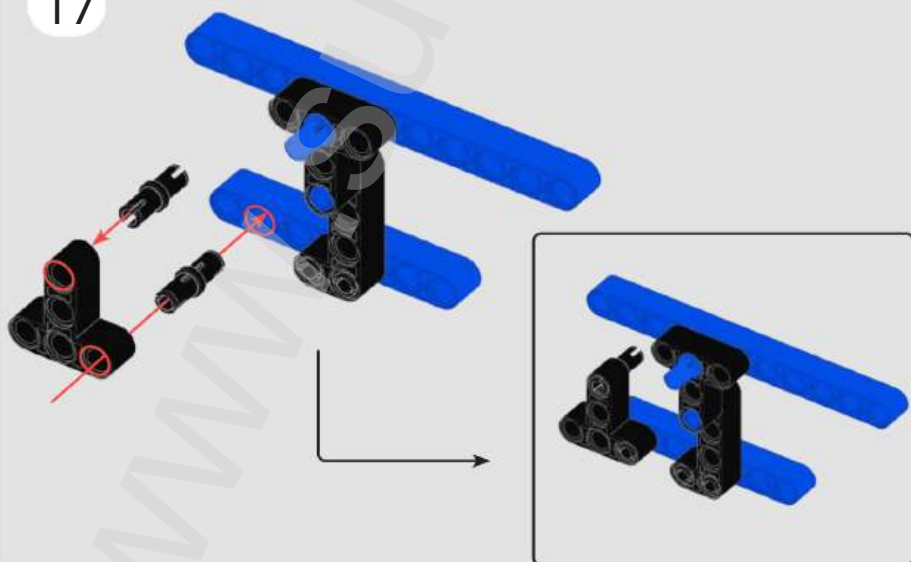
7HBeam



16



17

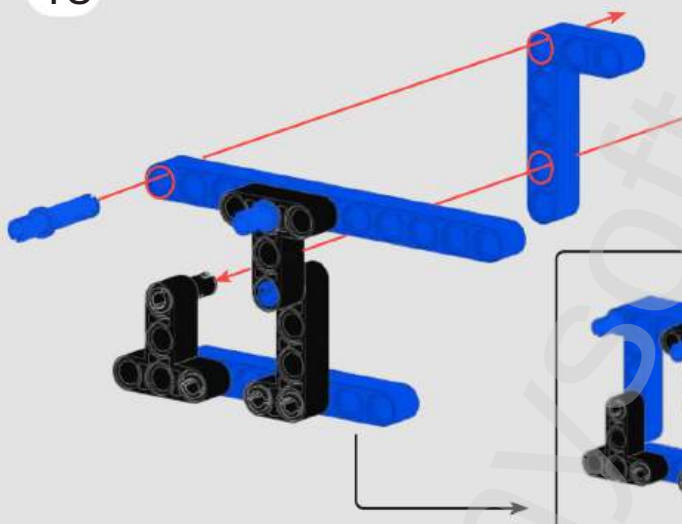


18

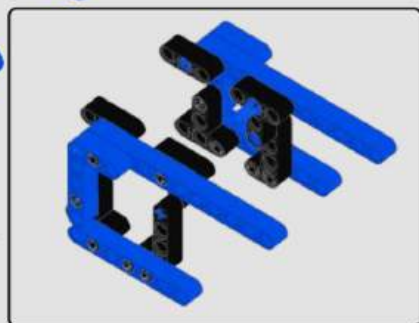
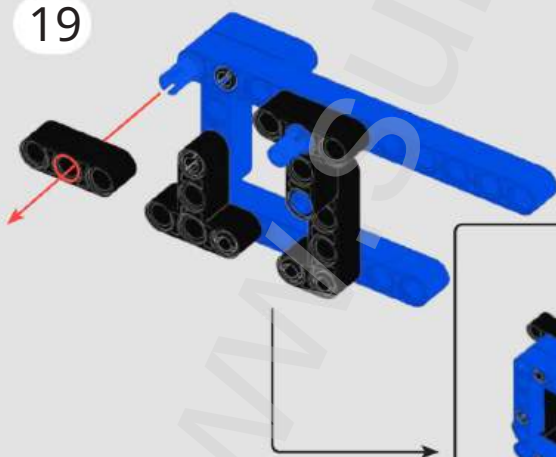
1:1



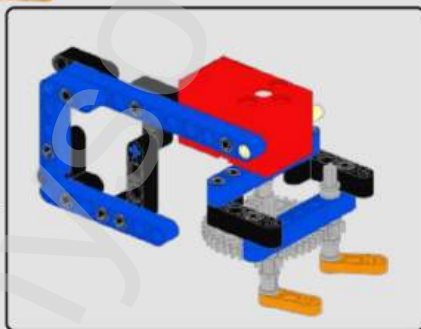
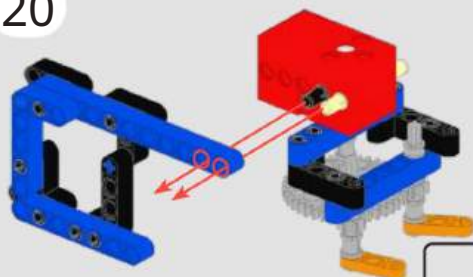
Długa szpilka niebieska



19

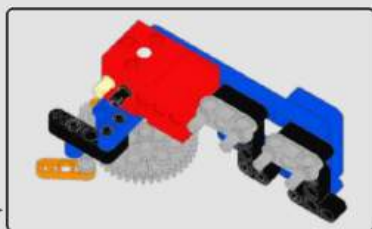
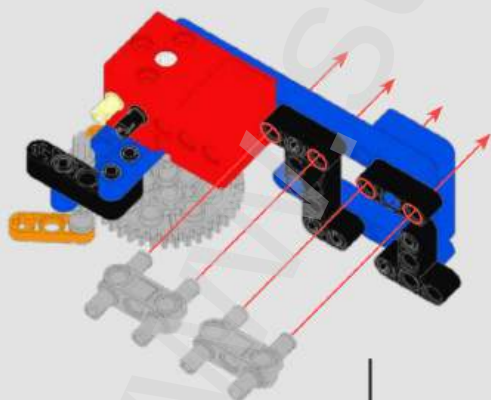


20



21

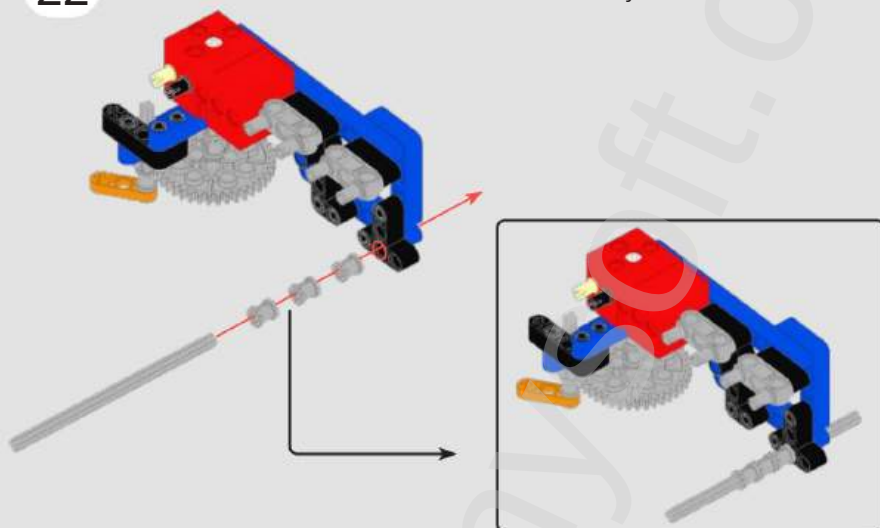
Widok z góry z tyłu po prawej stronie



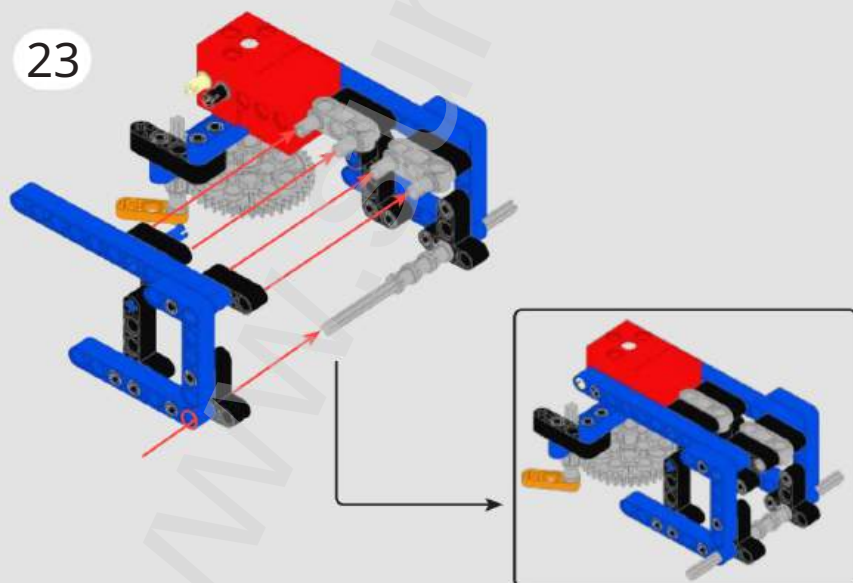
1:1

22

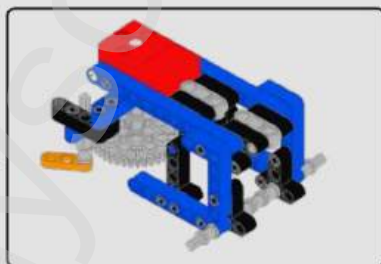
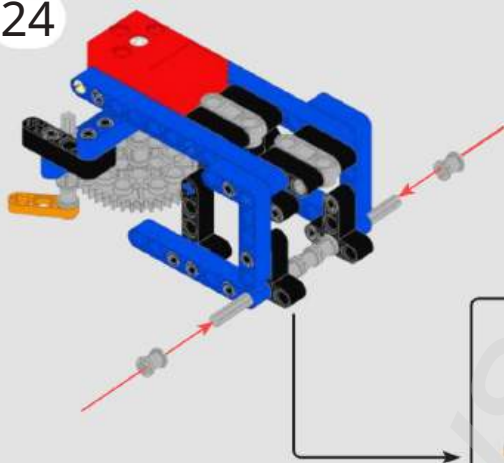
11H Remedy



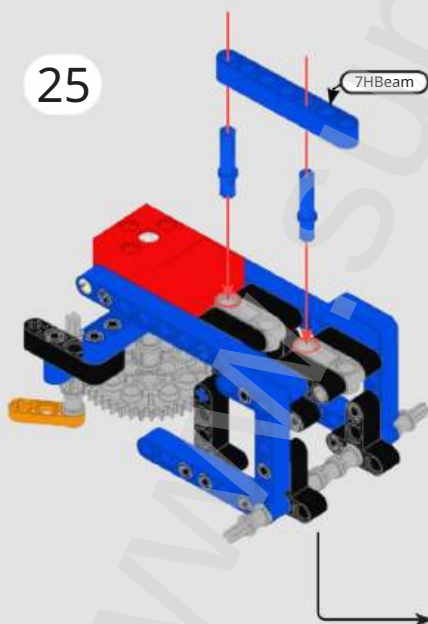
23



24



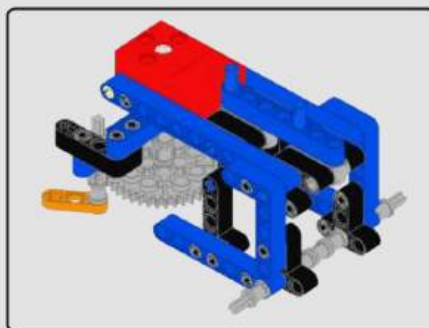
25



1:1



Długa szpilka niebieska



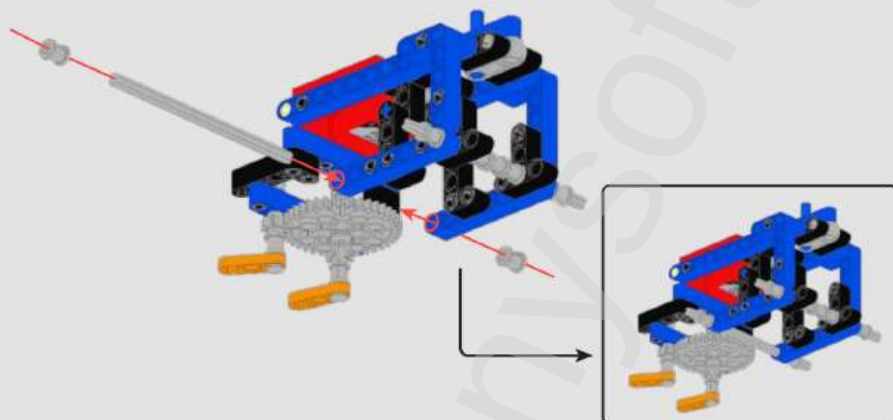
26



Widok z tyłu, prawy dolny róg

1:1

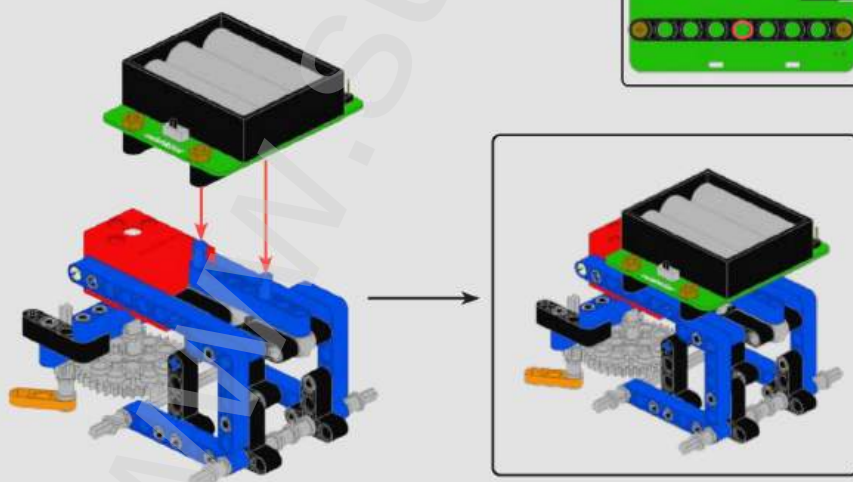
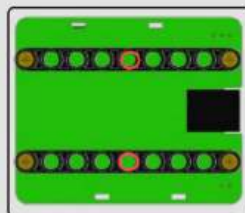
11H Remedy



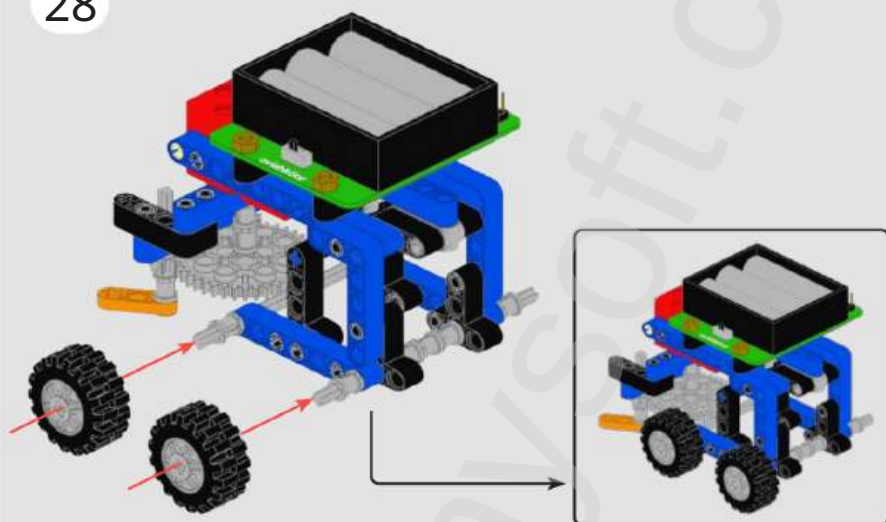
27



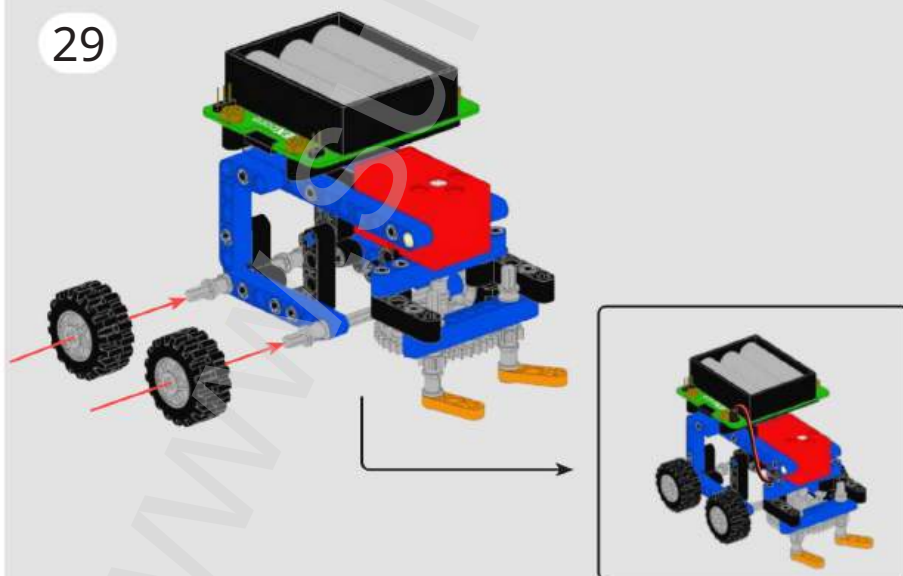
Widok z góry z tyłu po prawej stronie



28



29



Gratulacje z okazji ukończenia studiów tego projektu!

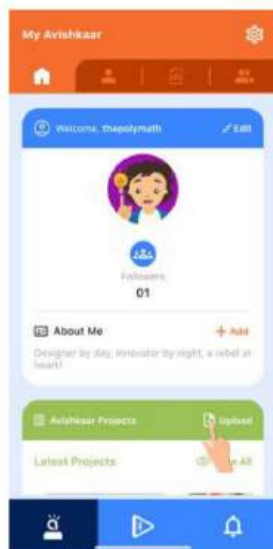
Lubisz się nim bawić, używając aplikacji mobilna avishkaar?
Szczegółowe instrukcje dotyczące pobierania aplikacji i sterowania robotem za jej pomocą znajdziesz na stronie 8.



Podziel się swoim dziełem ze światem i zdobądź odznakę „Scratch the Surface” poziomu 2

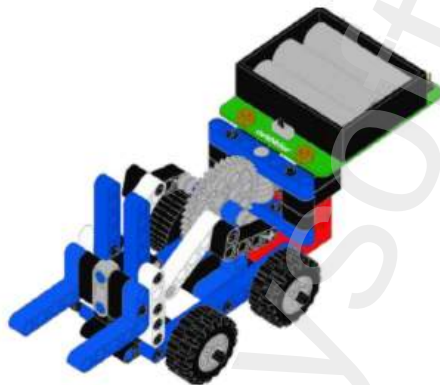
Prześlij zdjęcia lub filmy przedstawiające Twój projekt, korzystając z sekcji projektów w aplikacji Avishkaar, i wygraj odznakę poziomu 2 „Scratch the Surface”.

Zobacz wszystkie swoje kolekcje
Odznaki w sekcji osiągnięć na Twoim profilu na www.avishkaar.cc. Odkryj wszystkie inne odznaki, które chcesz zebrać i zdobądź je wszystkie!



Projekt 4: Podnośnik widłowy

Budujmy!



Rzeczy, których potrzebujemy



11H
Belka
x2



7 godzin
Belka
x4



5 godzin
Belka
x4



3 godzin
Belka
x7



7 godzin
Belka L
x4



1Cx4H
Belka L
x6



5HT
Belka
x2



Czołowy
koło zębate
40T x 1



Ślimak
skrzynia biegów
- duża x 1



3Hx4Pin
Konektor
x2



Pożywny
osie-duże
x4



Pożywny
osie - małe
x4



5H pokryte
korekta
x 1



7 godzin
Zaradzić
x 1



10H
Zaradzić
x2



Krótkie
szpilka żółta
x 2



Średnia
szpilka czarna
x 22



Średni
Szpilka
szary x
2



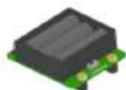
Długi
szpilka-niebieska
x 11



Sworzeń osi
środkowej - niebieski x
2



Koło x
4



Avishkaar
MEXCore
x 1



MEX duży
DC
silnik
x 1

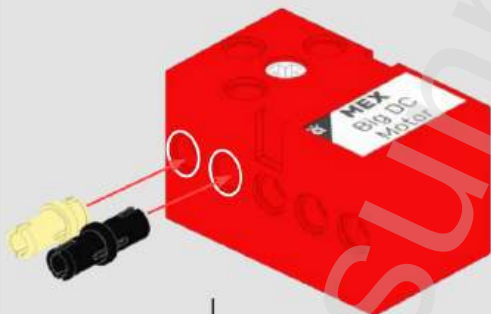
Krok

1

1:1



Krótką szpilka żółta

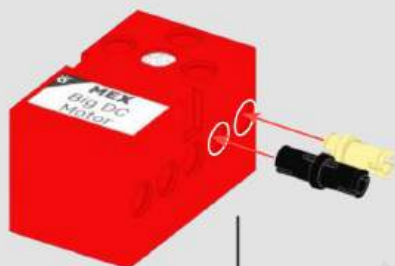


2

1:1

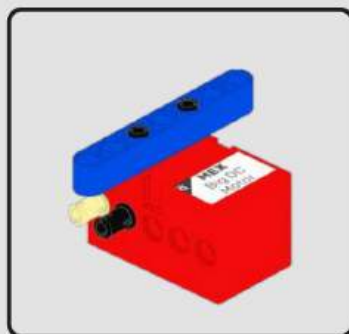


Krótką szpilka żółta

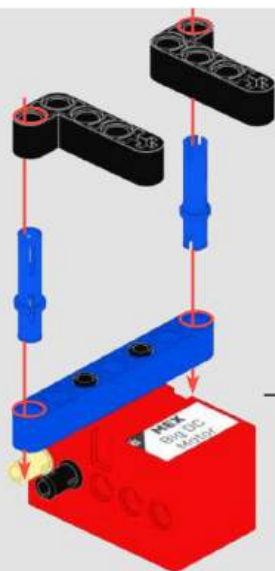


3

7HBeam



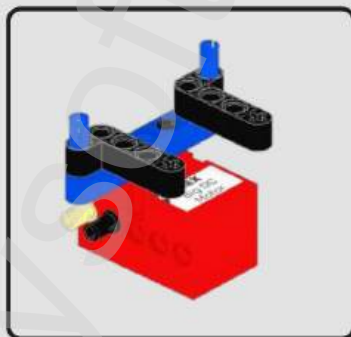
4



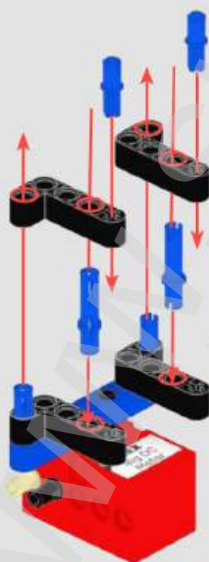
1:1



Długa szpilka niebieska



5



1:1

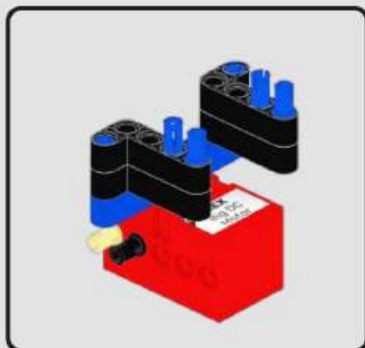


Długa szpilka niebieska

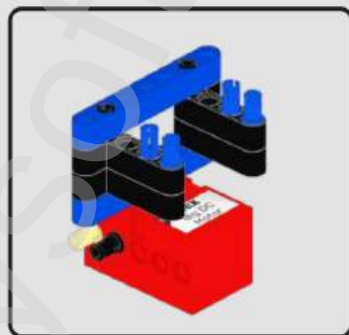
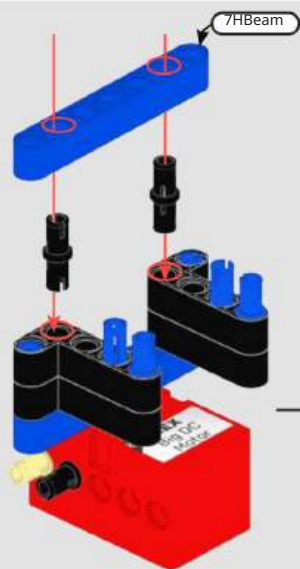
1:1



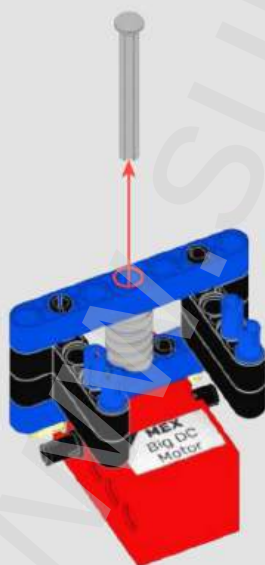
Sworzeń osi środkowej
Niebieski



6



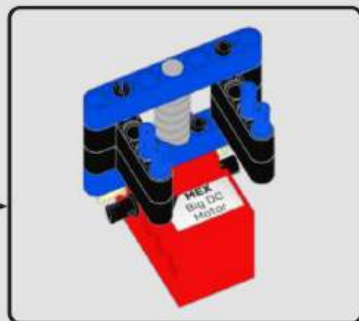
7



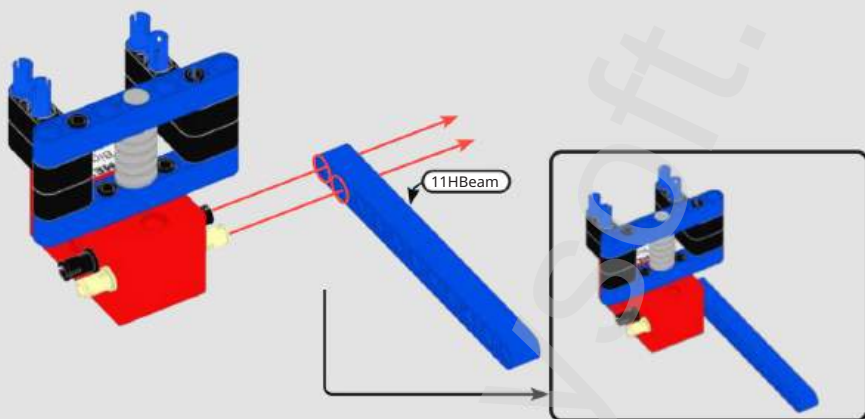
1:1



Oś kryta 5H



8

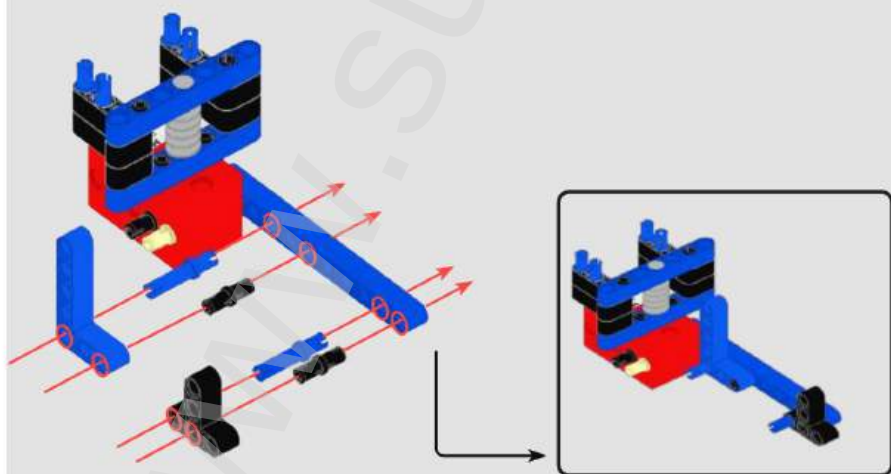


9

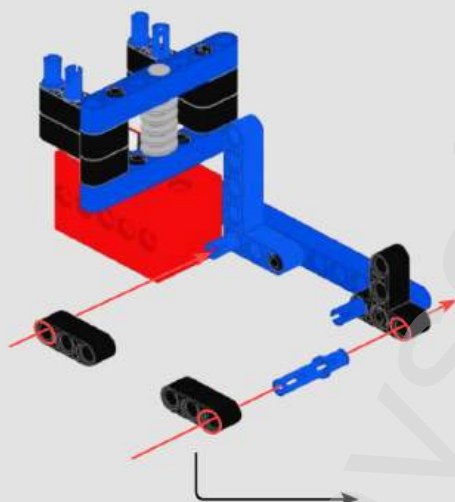
1:1



Długa szpilka niebieska



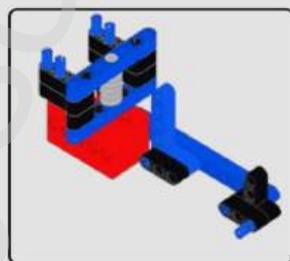
10



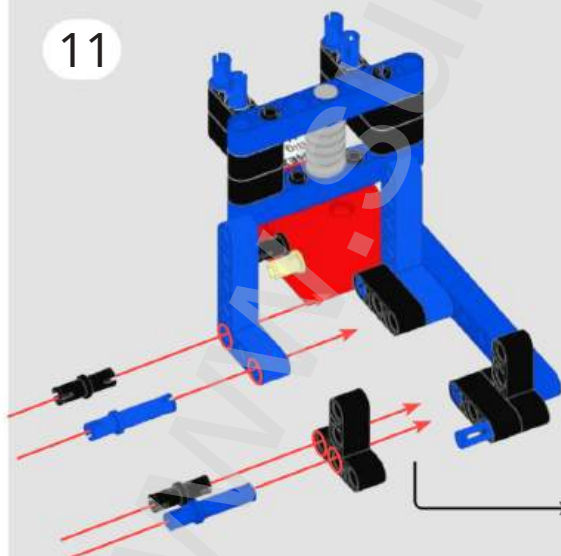
1:1



Długa szpilka niebieska



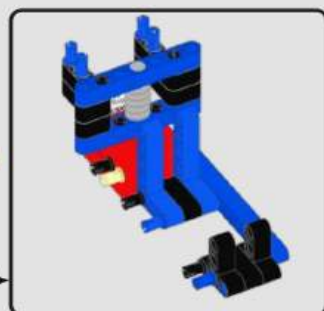
11



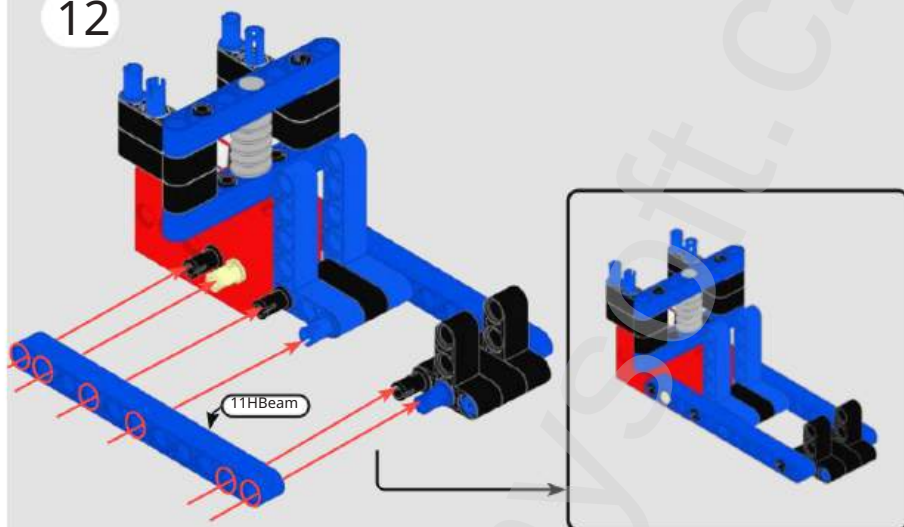
1:1



Długa szpilka niebieska



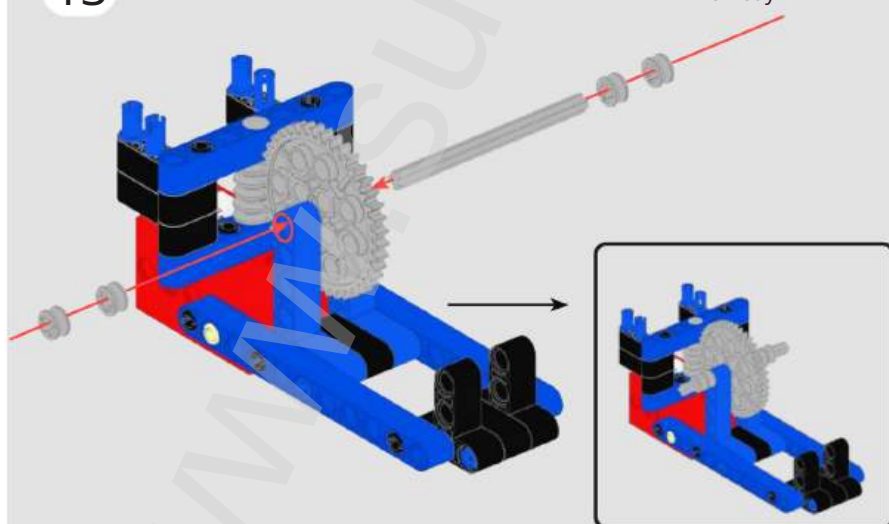
12



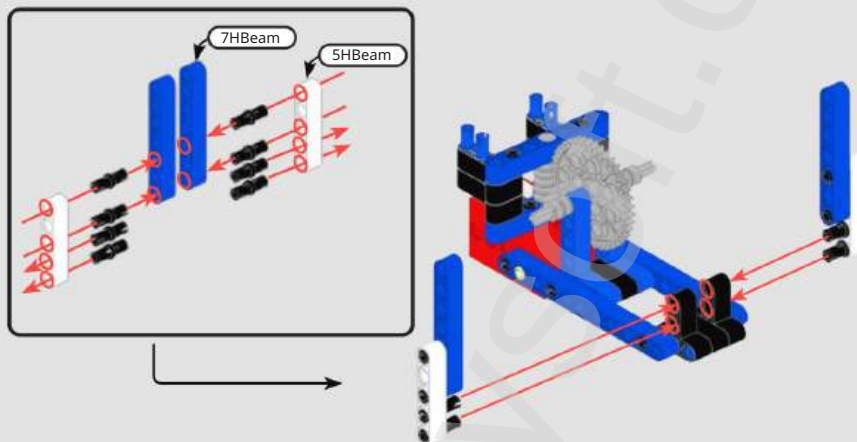
13

1:1

7H Remedy



14

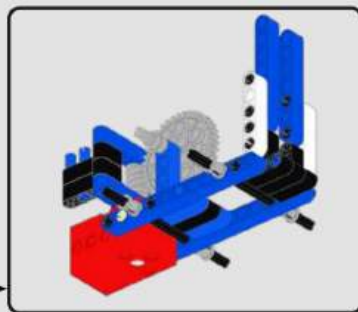
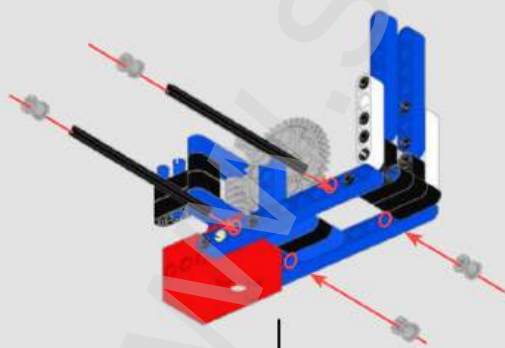


15

Widok z przodu, lewy dolny róg

1:1

10H Remedy

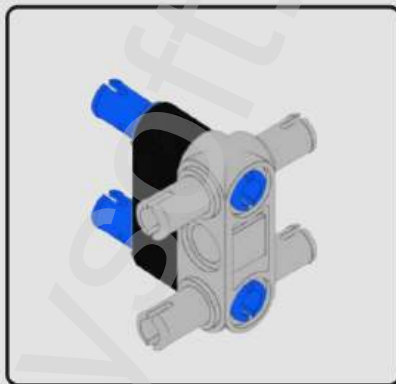
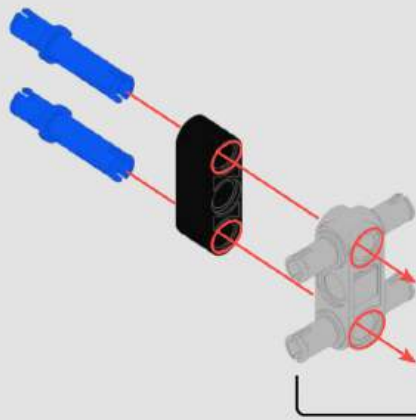


16

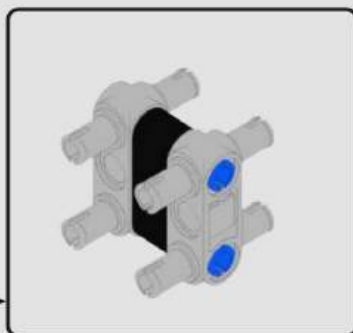
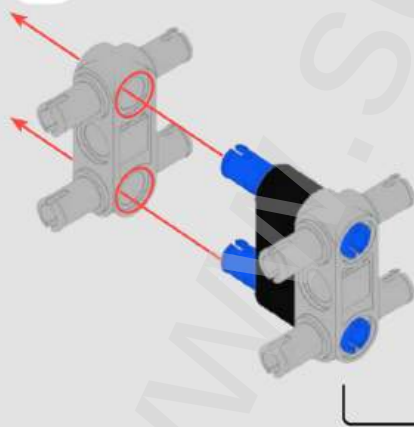
1:1



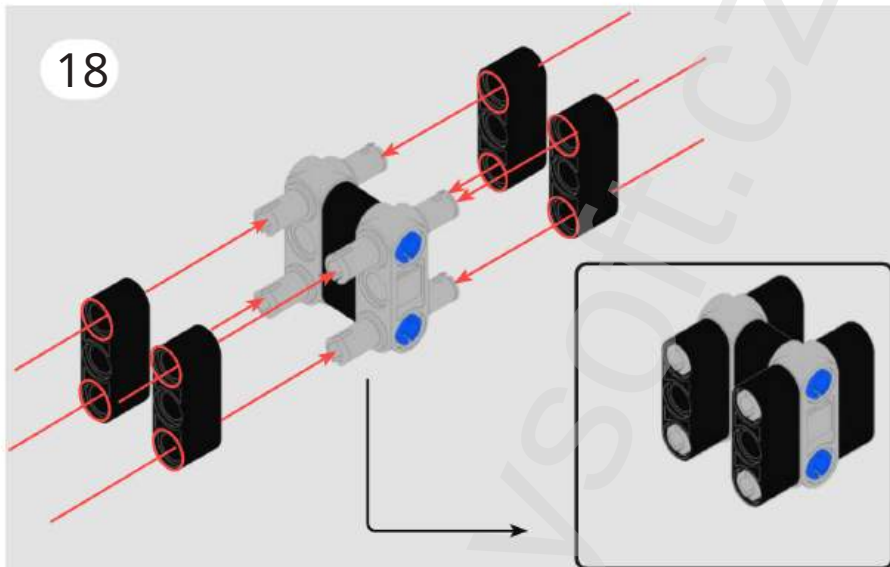
Długa szpilka niebieska



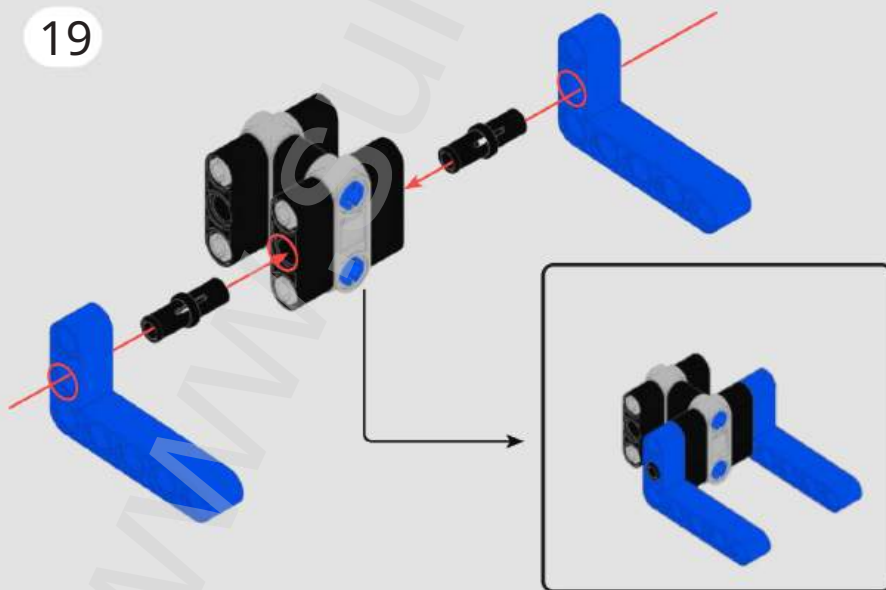
17



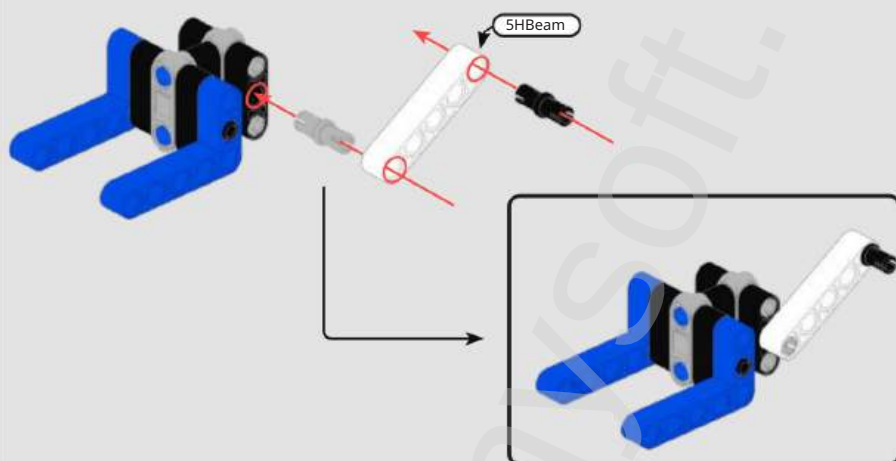
18



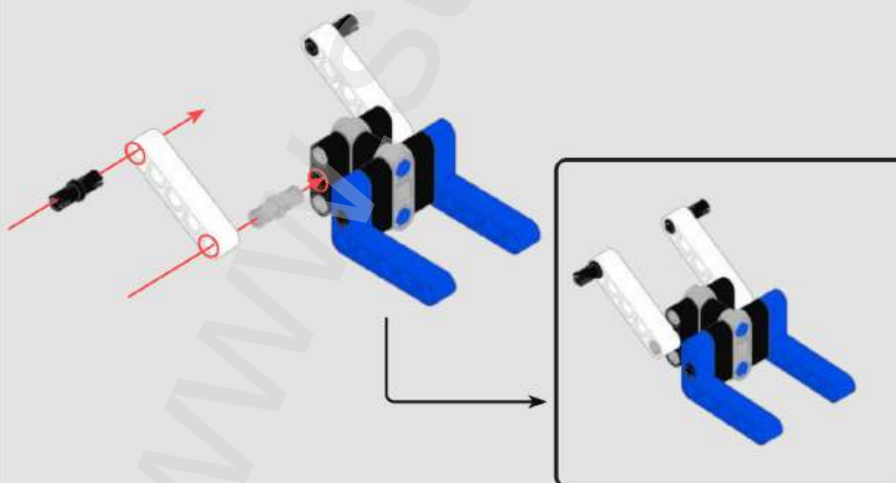
19



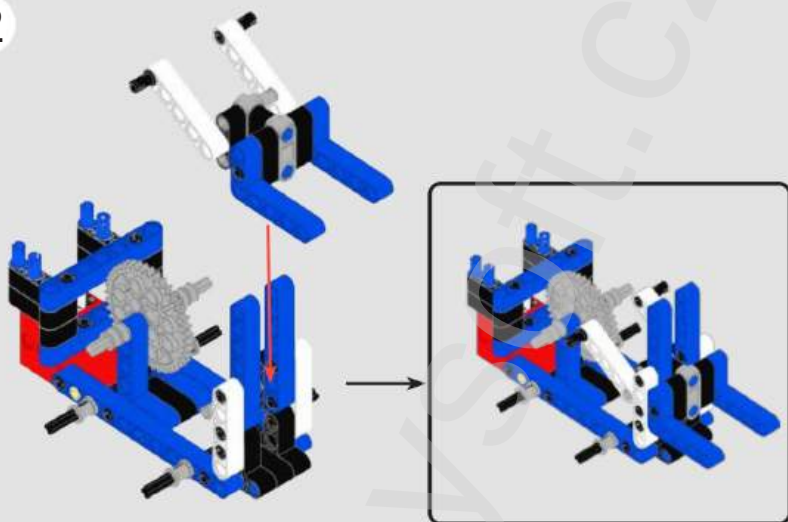
20



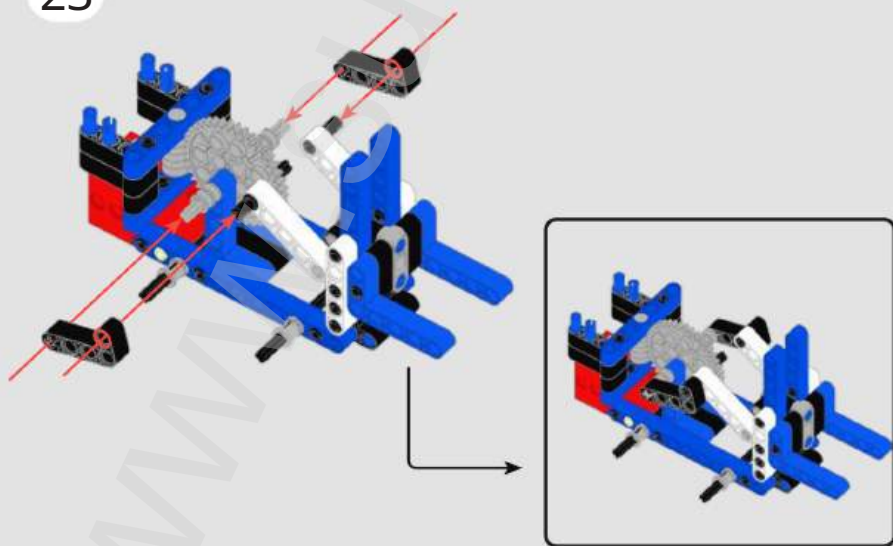
21



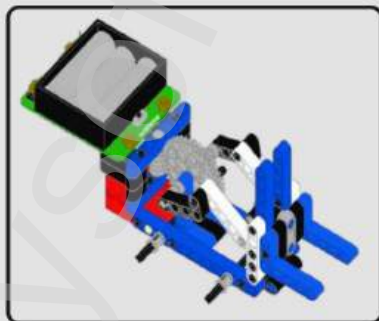
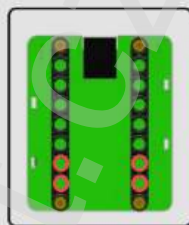
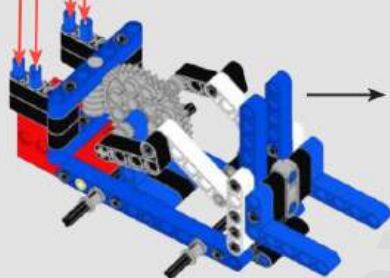
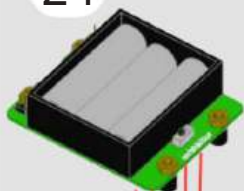
22



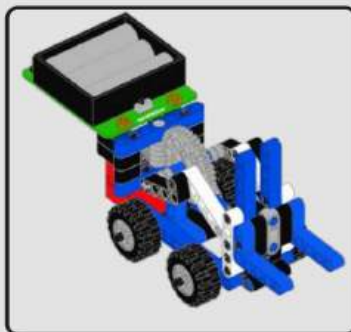
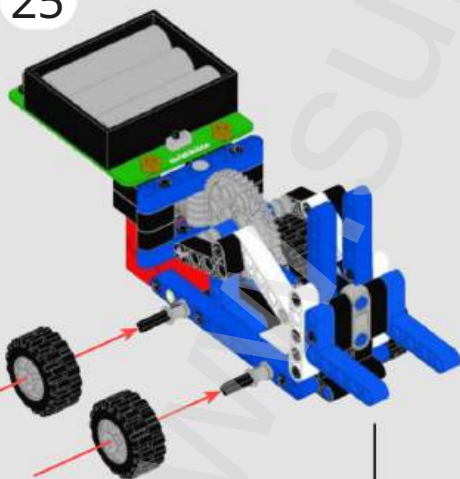
23



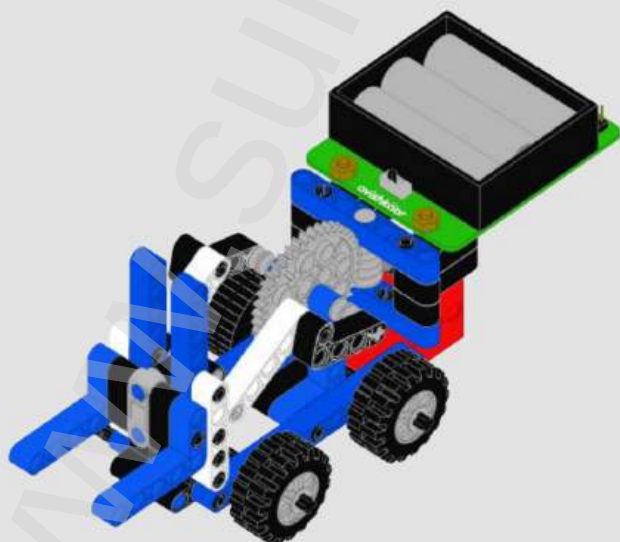
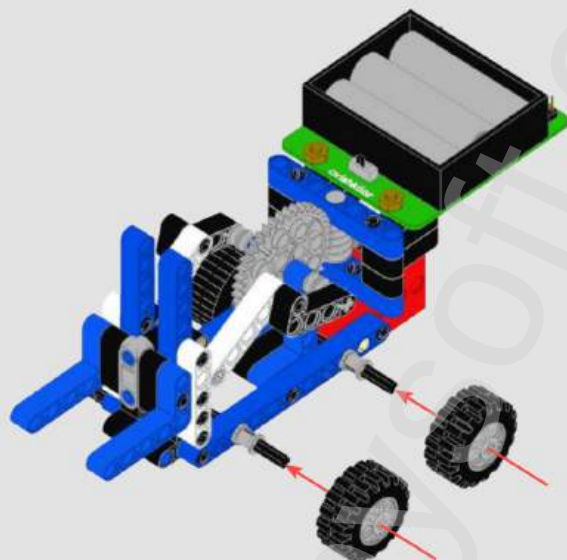
24



25



26



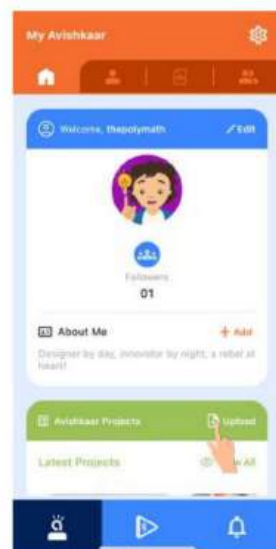
Gratulacje z okazji ukończenia studiów tego projektu!

Lubisz się nim bawić, używając
aplikacja mobilna avishkaar?
Szczegółowe instrukcje dotyczące pobierania
aplikacji i sterowania robotem za jej
pomocą znajdziesz na stronie 8.



Podziel się swoim dziełem ze światem i wygraj odznakę „Scratch the Surface” poziomu 3

Prześlij zdjęcia lub filmy ze swojego
projektu, korzystając z sekcji projektów w
aplikacji Avishkaar, aby zdobyć odznakę
„Scratch the Surface” poziomu 3
Zobacz wszystkie swoje kolekcje
Odznaki w sekcji osiągnięć na Twoim profilu na
www.avishkaar.cc. Odkryj wszystkie inne
odznaki, które chcesz zebrać i zdobądź je
wszystkie!



Projekt 5: Dobby Robot

Budujmy!



Rzeczy, których potrzebujemy



Belka 9H x 6



Belka 5H x 4



3 godziny
Belka
x4



7 godzin
Belka L x 4



1Cx4H
Belka L x 4



5HT
Belka
x2



1Cx1H
Belka x 2



2Cx1
Cienka wiązka x 1



3Hx4Pin
Złącze
x2



Wypełniacz
osi -
mały x 2



Oś 3H x 2



Krótki
Szpilka-żółta
x 1



Długa
szpilka
niebieska x 10



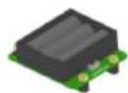
Średnia szpilka
czarna
x 18



Sworzeń osi
środkowej - niebieski
x 4



Średnia szpilka
szara x
4



Avishkaar
MEXCore x 1



MEX duży
DC
silnik x 1

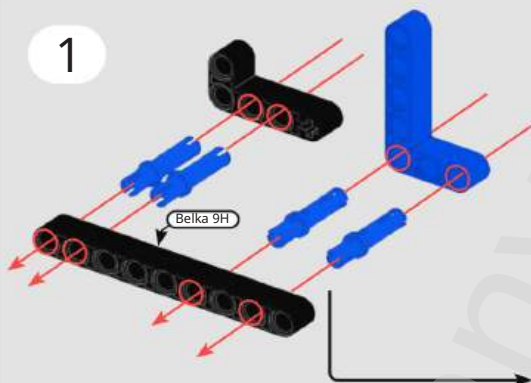


Długa
szpilka-
żółta x 2



3Cx2H
Cienkie -D
x 2

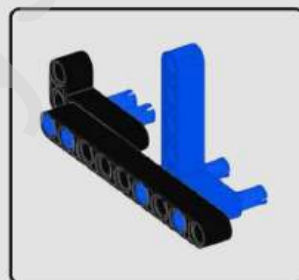
1



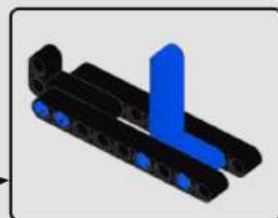
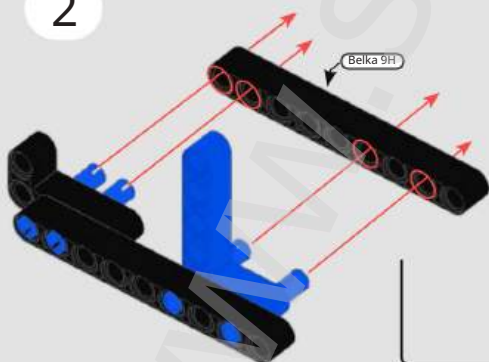
1:1



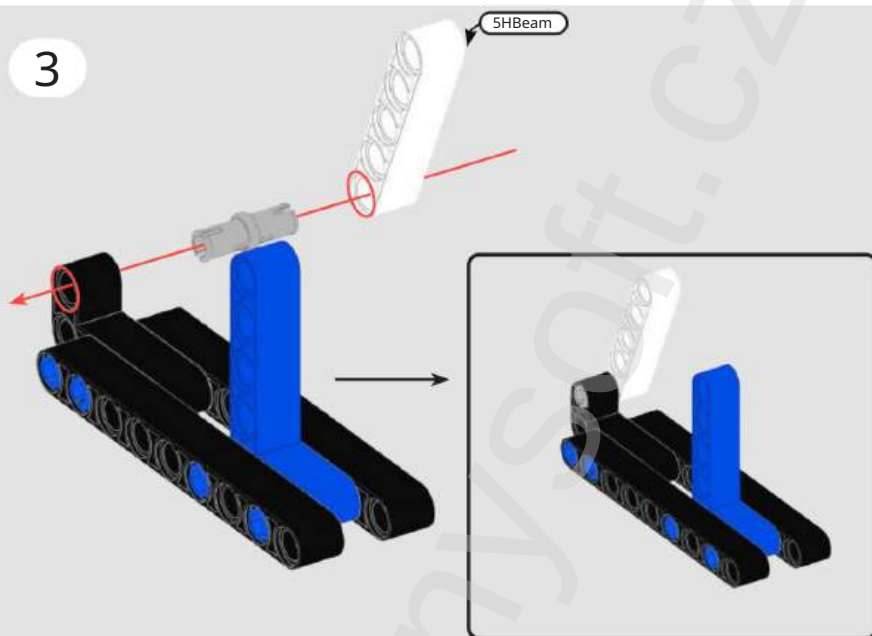
Longpin-niebieski



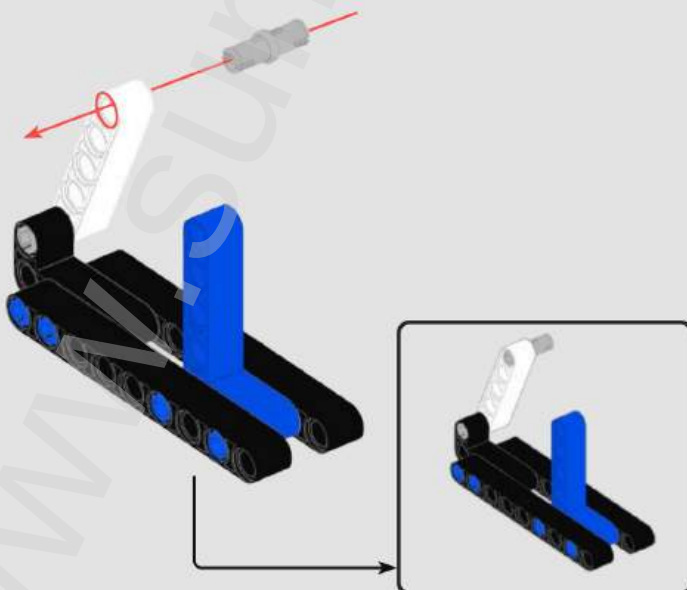
2



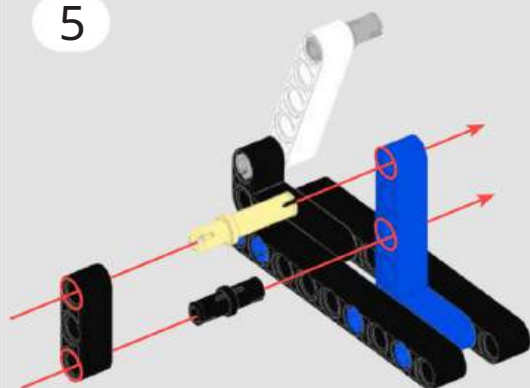
3



4



5



1:1

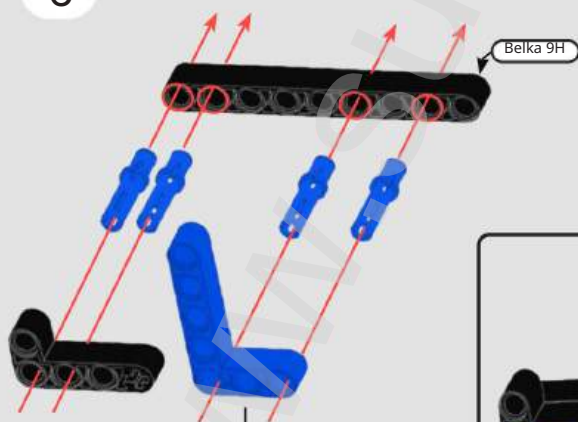


Długa szpilka-żółta



6

Zróbmy stronę lustrzaną.

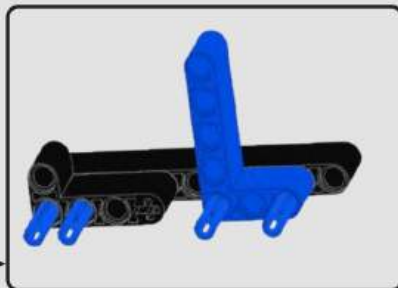


Belka 9H

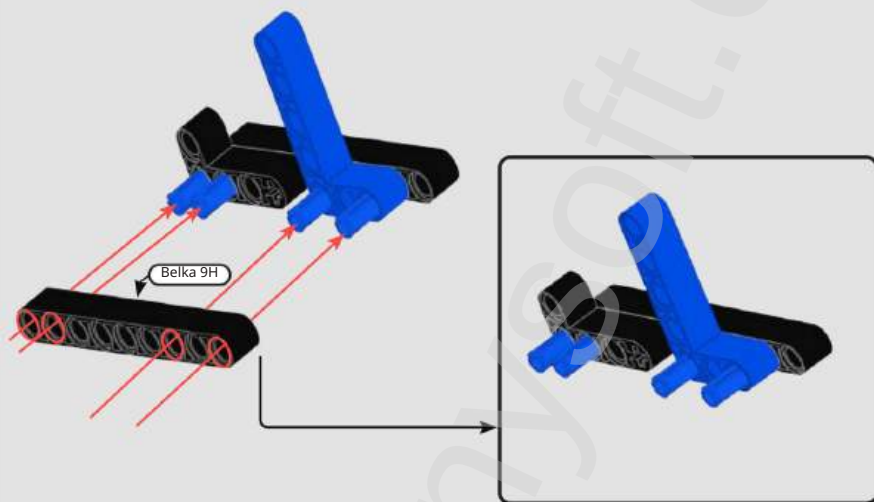
1:1



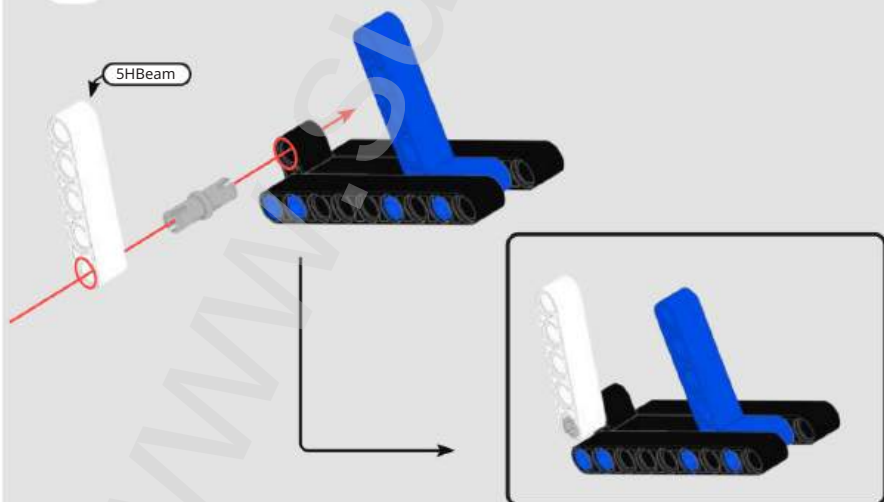
Długa szpilka-niebieska



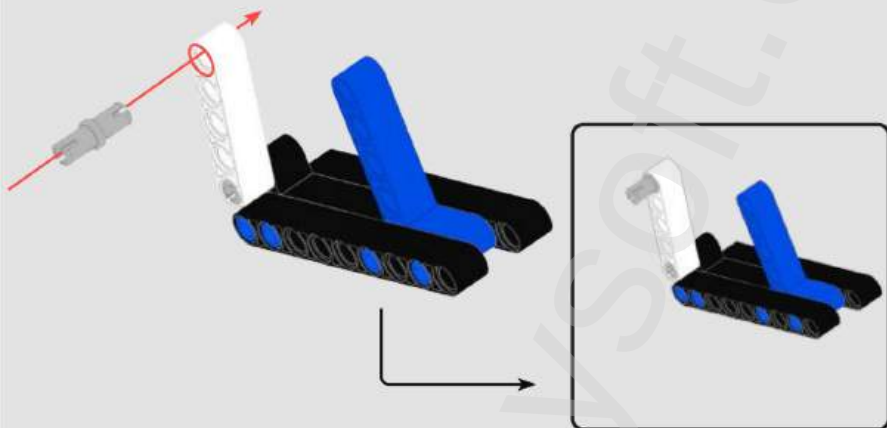
7



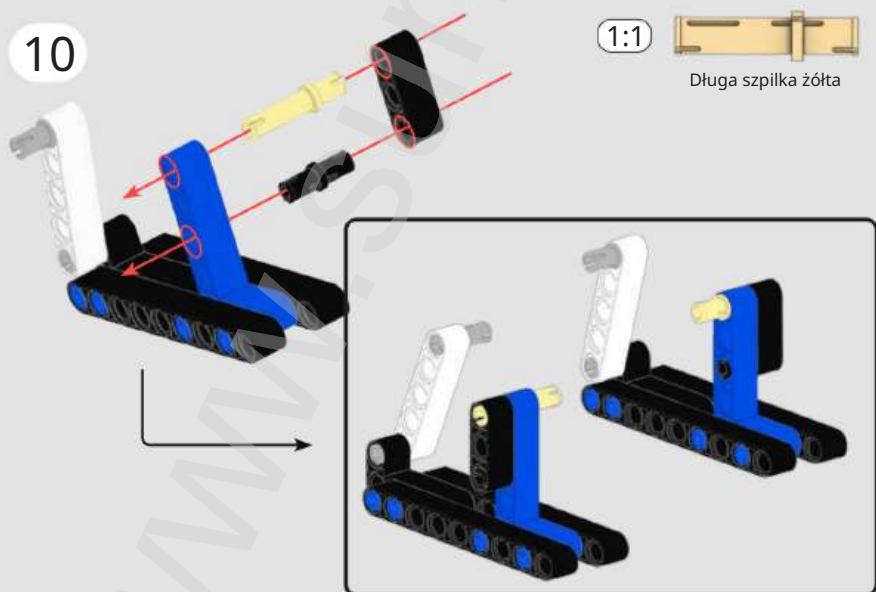
8



9



10

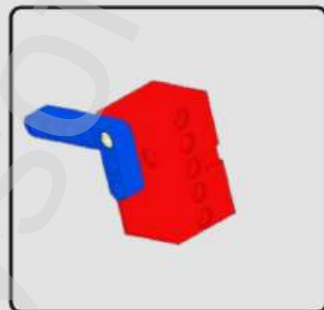
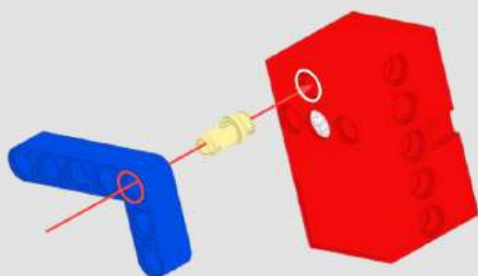


11

1:1



Krótki pin żółty

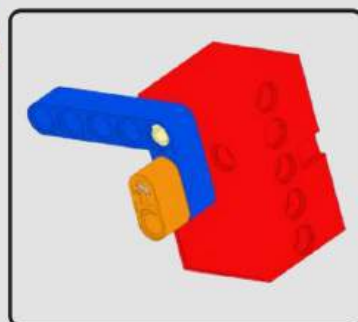
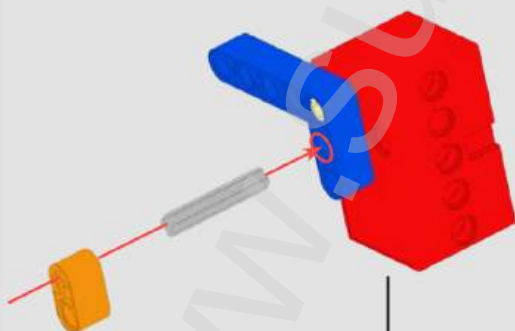


12

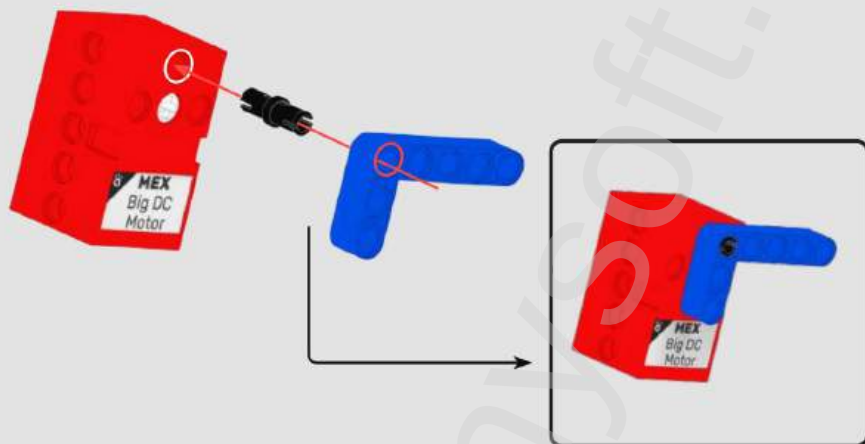
1:1



3H Remedy

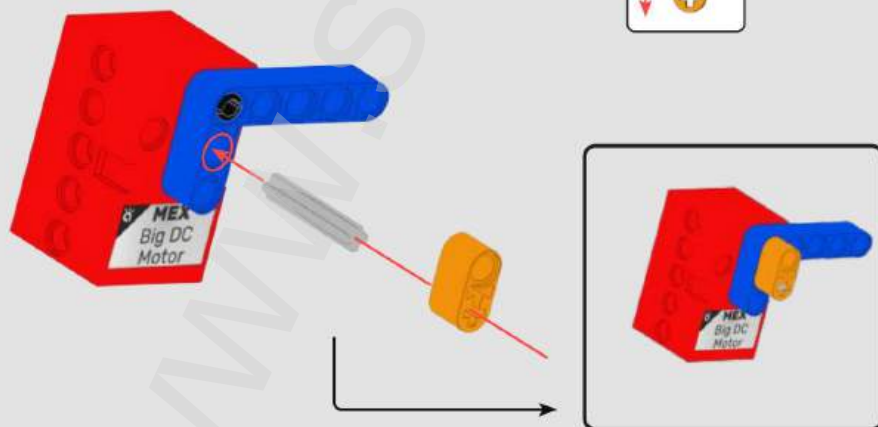


13

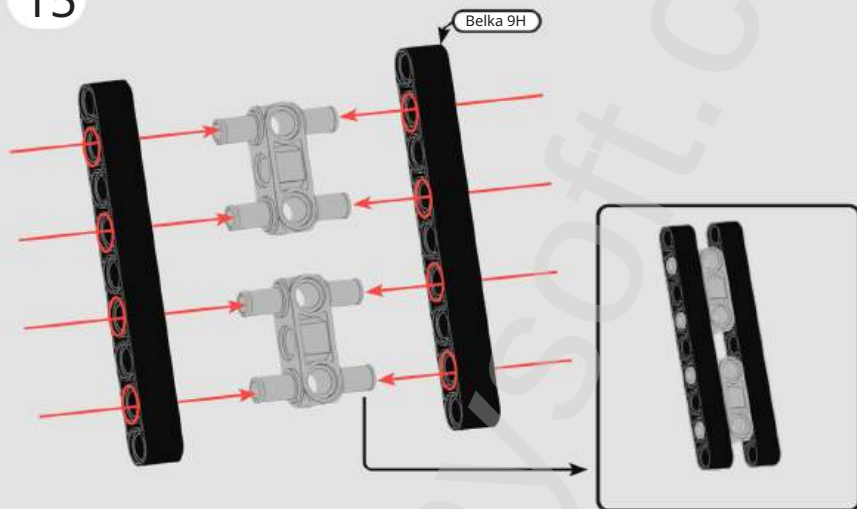


14

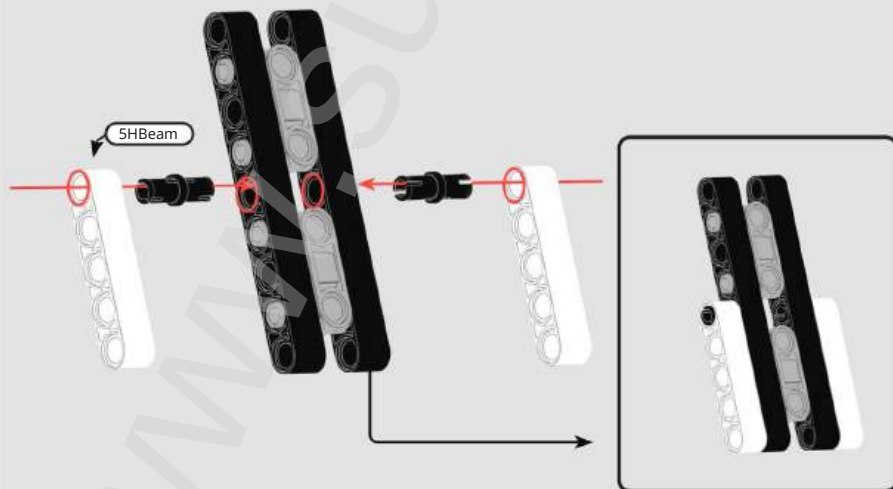
1:1 3H Remedy



15



16

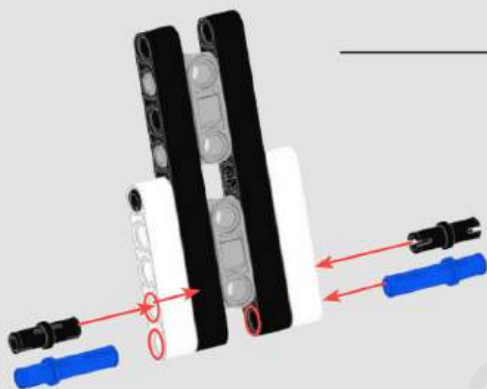


17

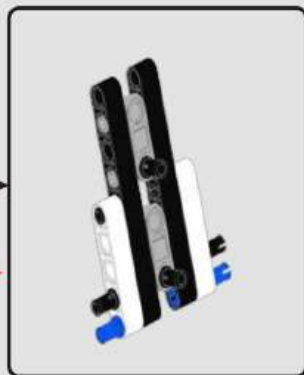
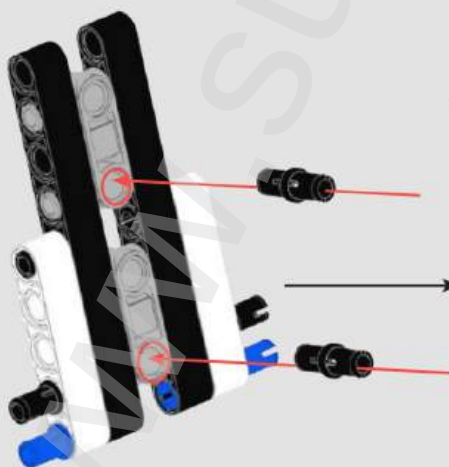
1:1



Długa szpilka niebieska



18

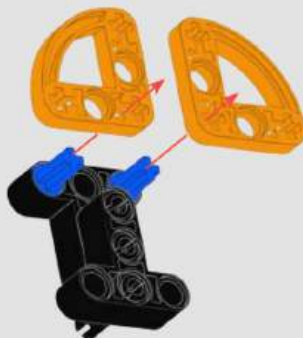
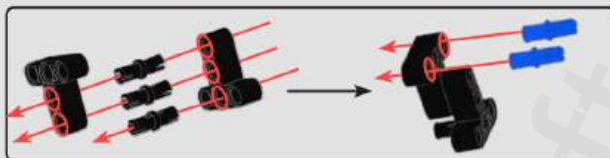


19

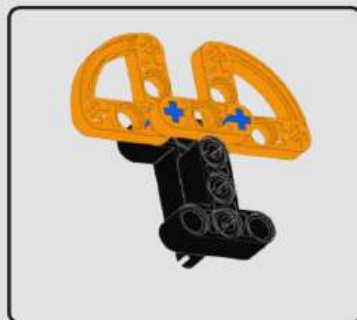
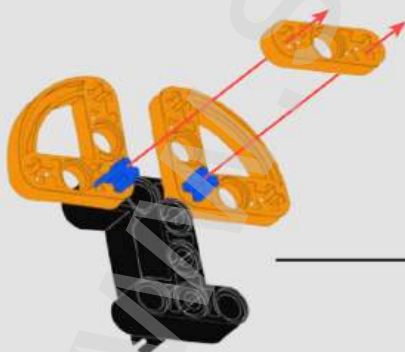
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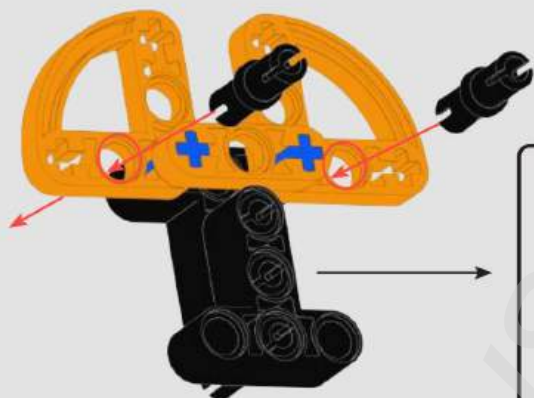
Stworzeń osi środkowej
niebieski



20



22

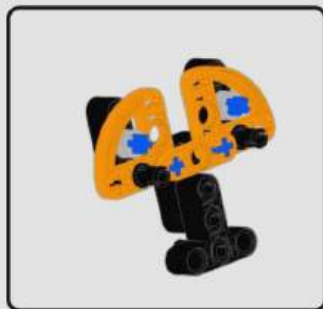
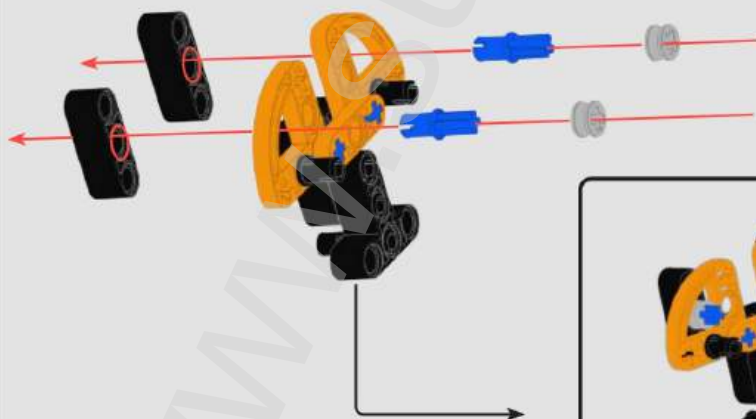


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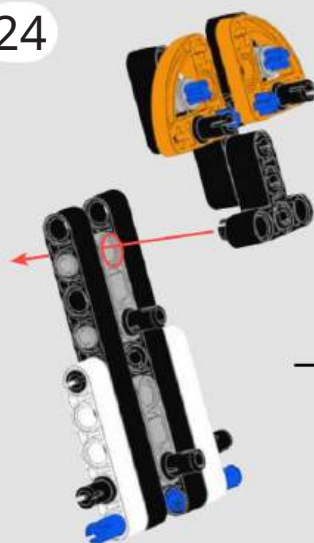
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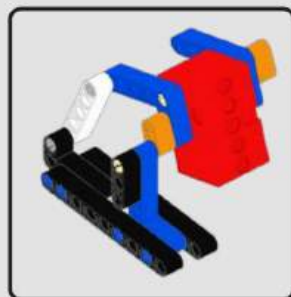
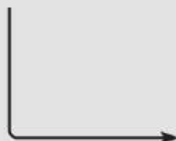
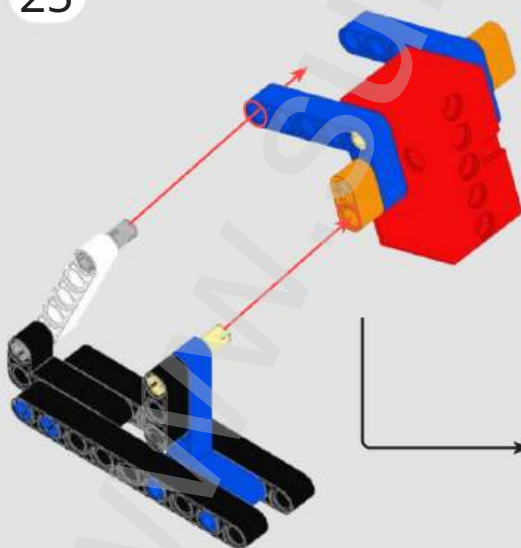
Stworzeń osi środkowej niebieski



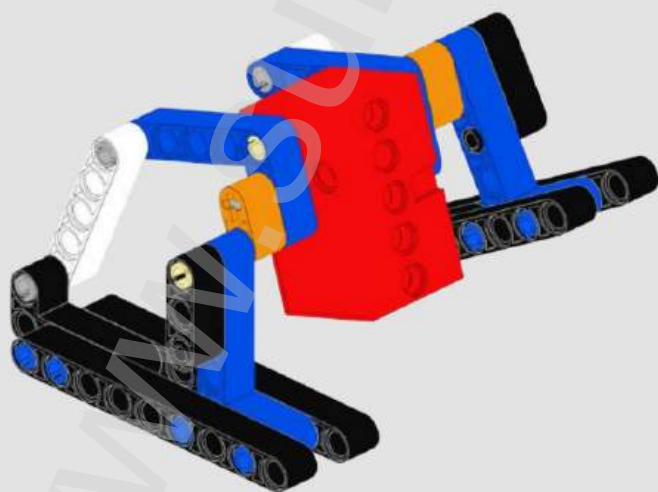
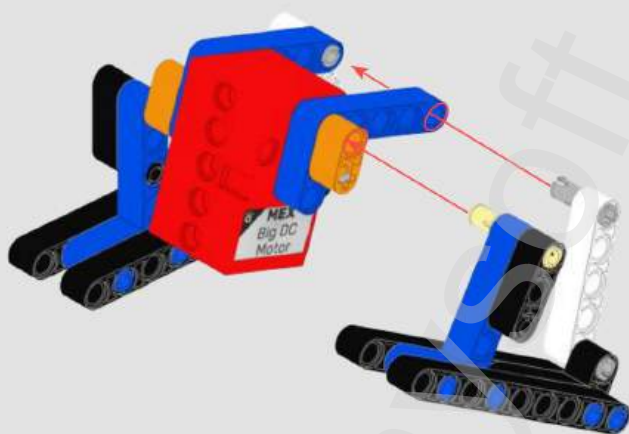
24



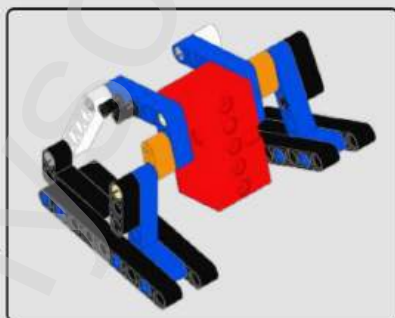
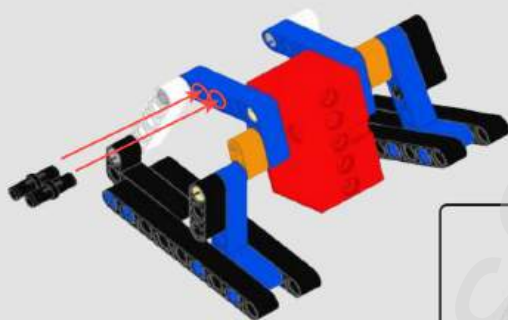
25



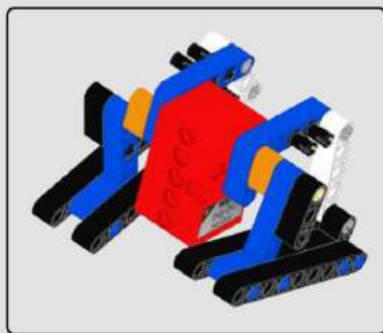
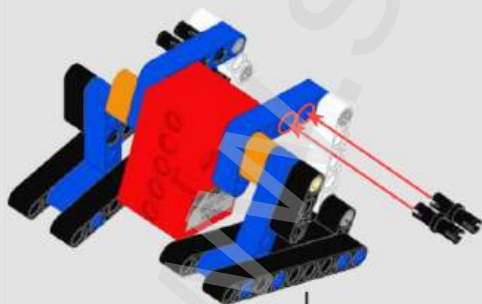
26



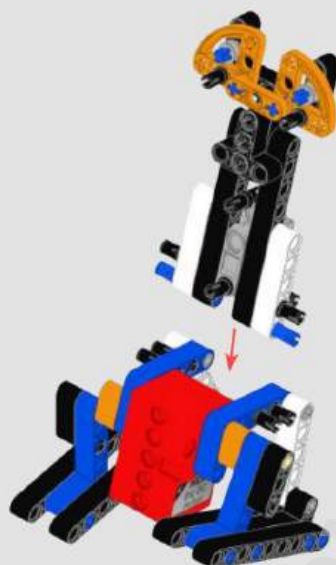
27



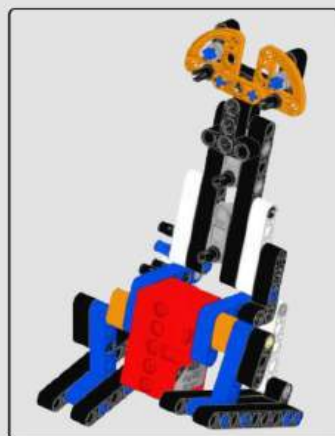
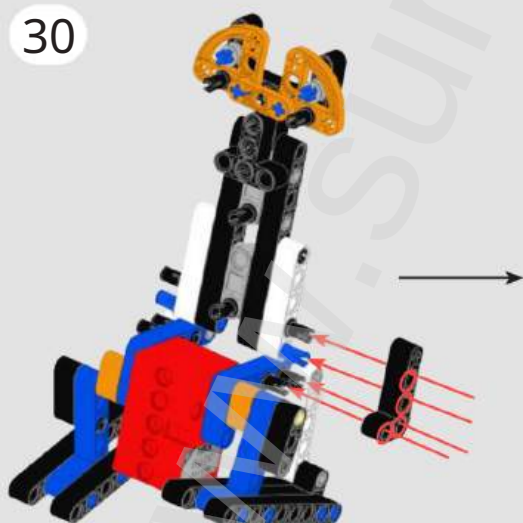
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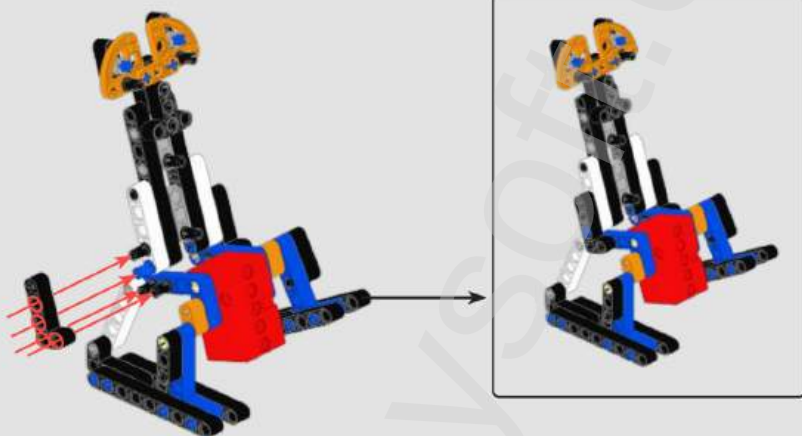
29



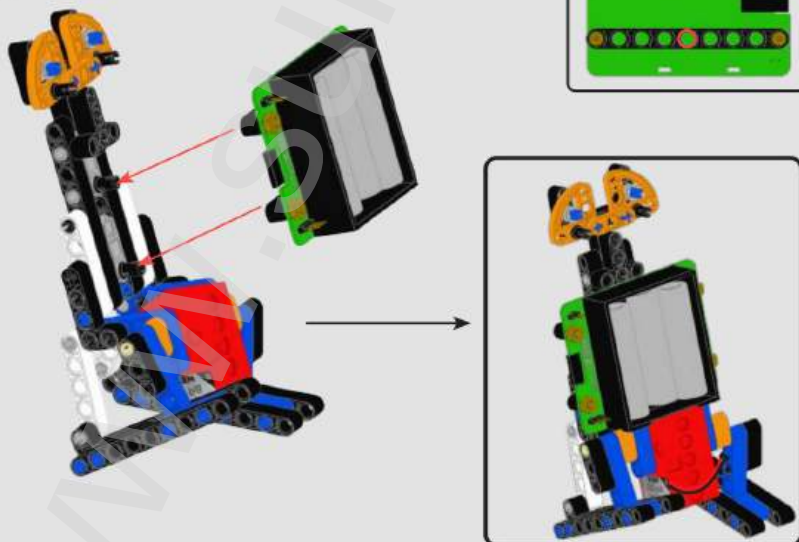
30



31



32



Gratulacje z okazji ukończenia studiów tego projektu!

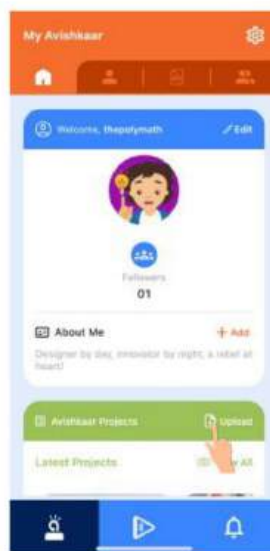
Lubisz się nim bawić, używając aplikacji mobilnej avishkaar?
Szczegółowe instrukcje dotyczące pobierania aplikacji i sterowania robotem za jej pomocą znajdziesz na stronie 8.



Podziel się swoim dziełem ze światem i wygraj ' „Zadrap powierzchnię” Poziom 3

Prześlij zdjęcia lub filmy ze swojego projektu, korzystając z sekcji projektów w aplikacji Avishkaar, i wygraj odznakę poziomu „Scratch the Surface” 3.

Zobacz wszystkie swoje kolekcje
Odznaki w sekcji osiągnięć na Twoim profilu na www.avishkaar.cc. Odkryj wszystkie inne odznaki, które chcesz zebrać i zdobądź je wszystkie!



Masz jakiś problem?

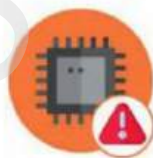
Nasze wsparcie techniczne jest dostępne, aby pomóc Ci w następujących godzinach : od poniedziałku do soboty w godzinach 9:00–20 : 00, w niedzielę i trzecią sobotę miesiąca w godzinach 9:00–18:00.



Problemy z
oprogramowaniem



Problemy z
użytecznością



Problemy
sprzętowe

Skontaktuj się z pomocą techniczną, skanując kod QR.



support@avishkaar

+91-8506931515

Dostawca/Dystrybutor

Sunnysoft sro
Kovanecka 2390/1a
190 00 Praga 9

Czechy

www.sunnysoft.cz

avishkaar

+91 - 8506931515 support@avishkaar.cc www.avishkaar.cc



@AvishkaarEdu

avishk^{ar}

MEX

Početni komplet za
robotiku

Korisnički priručnik





"Ne sanjam o uspjehu,
radim za njega!"

Sadržaj

| | |
|-------------------------------------|-----|
| Iskoristite svoj komplet maksimalno | 04 |
| Zakletva inovatora | 06 |
| Istražite svoj komplet | 07 |
| Provjera oklopa | 13 |
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| Projekt 4: Viličar | 69 |
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| Rješavanje problema i pomoć | 104 |

Iskoristite svoj komplet maksimalno

Inovacije



Položite zakletvu inovatora

Položite zakletvu inovatora spomenutu na stranici 6 i shvatite što ona znači biti inovator.



Naučite koristiti priručnik/videozapise i kontrola

Slijedite detaljne upute u priručniku i naučite kako izgraditi uzbuđljive robote koristeći svoj komplet.



Izrada, kodiranje

Stvorite inovativne projekte koristeći svoj komplet i upravljajte robotima pomoću Avishkaar Remote i kodiranje pomoću Avishkaar Maker Studio.

Udio

Pobijediti



Pridružite se Idemo Avishkaar

Pridružite se našoj
Facebook zajednici - povežite
se s inovatorima i
primajte najnovije
informacije o webinarima.



UploadProjects Prenesi projekte na

www.avishkaar.cc i podijelite ih s
inovatorima diljem svijeta.



Međunarodni Natjecanja

Sudjelujte u tjednim, mjesečnim
i godišnjim natjecanjima
i osvojite nagrade
diljem svijeta.



Zakletva inovatora

Položite zakletvu inovatora u nastavku kako biste se obvezali na cjeloživotnu predanost inovacijama i rješavanju problema. Podijelite fotografiju na Facebook zajednici Let's Avishkaar.

I (write your name) _____

*solemnly swear that, since I am
now on the path of innovation,*

*I will not give up until my
innovation, my project is ready.*

*I will hone my skills and tools
and use them well. Innovation
and I will be inseparable.*

*I will always share my
innovations with other
innovators and learn with them.*

Your Signature



Za istraživanje vašeg
kompleta

Dobrodošli u Aviskaar

Preuzmite aplikaciju Aviskaar

Preuzmite aplikaciju Avishkaar skeniranjem QR kodova u nastavku:



1 Izradi račun

Otvorite aplikaciju i slijedite upute na zaslonu za izradu računa.

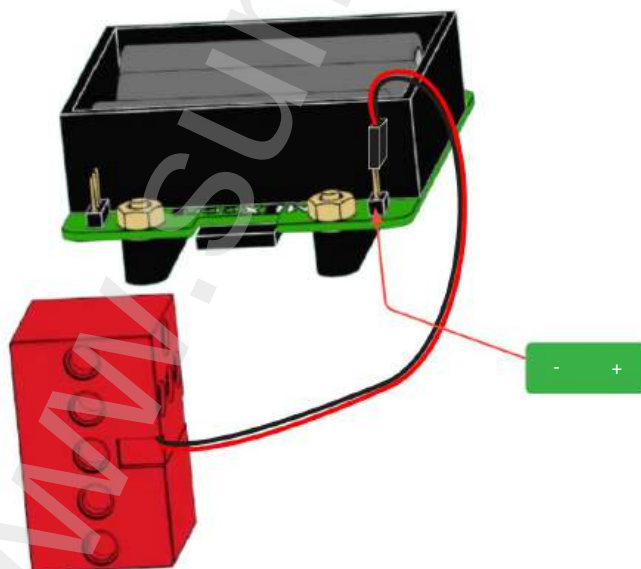
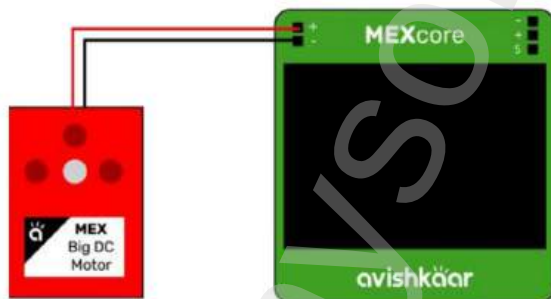


2 Registrirajte svoj komplet

Idite na odjeljak "Profil" u aplikaciji i kliknite "+ Dodaj još" u odjeljku "Moji setovi" da biste registrirali svoj set. Ovaj korak je važan za kasnije upravljanje robotom.



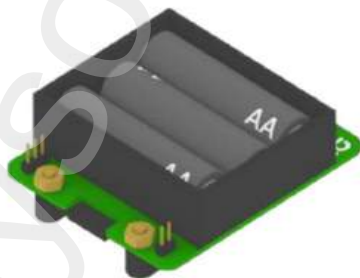
Kako spojiti motor na MEXcore



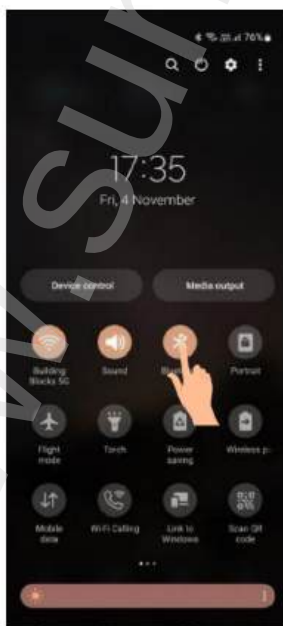
Kontrola aplikacija

- 1 Umetnite baterije u MEXcore i uključite ga. Primijetit ćete da MEXcoreLED treperi zelena.

Napomena - Koristite samo AA alkalne baterije. (Bilo koja druga vrsta može oštetiti MEX jezgru.)



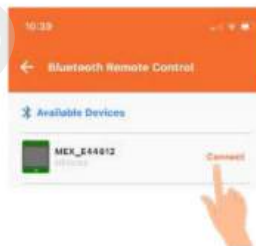
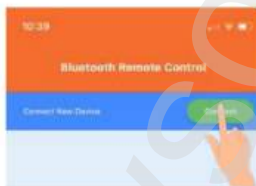
- 2 Uključite Bluetooth na svom telefonu.



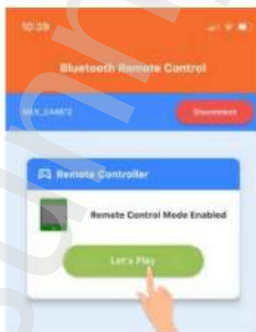
- 3 Otvorite aplikaciju Avishkaar i kliknite gumb 'Reproduciraj' u odjeljku 'Početna'.



- 4 Kliknite "Poveži se".
Vaša aplikacija bi trebala moći pronaći vaš MEXcore ako je uključen. Nakon što aplikacija prepozna vaš MEXcor, kliknite "Poveži se".



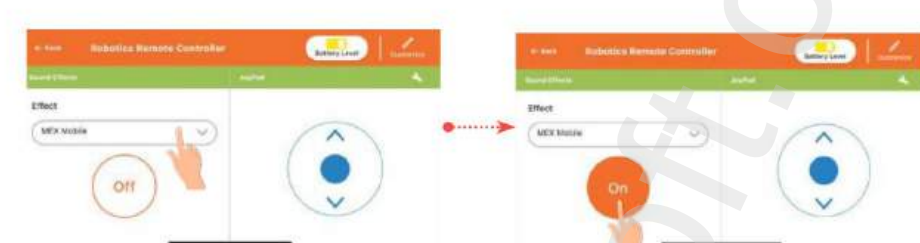
- 5 Kliknite na 'Igrajmo' i odaberite 'MEX Robotics Starter kit' iz izbornika za odabir kita.



- 6 Otvorit će se zaslon daljinskog upravljača koji će vam omogućiti upravljanje LED motorom i zvukom vašeg Tuskerja. Zabavite se!



Konfigurirati Zvučni efekti



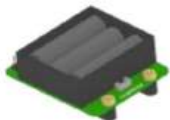
Upravljačka palica



Provjera

oklopa

Kutija 1 (Elektronika)



Avishkaar
MEXCore
1x



Veliki MEX
istosmjerni motor
1x

Okvir 2 (Dijelovi zgrade)

greda



15H snop
1x



11H greda
x2



9H greda x 6



3H greda x 10

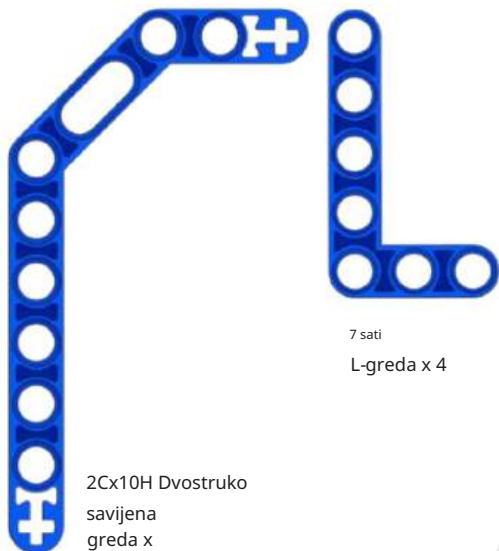


7H greda
5 puta



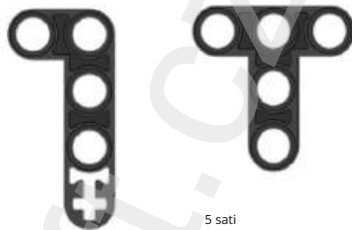
5H greda x 4

" Napomena: "H"
znači rupe. Npr.
Greda 15H znači
greda s 15 rupa.



2Cx10H Dvostruko
savijena
greda x
2

7 sati
L-greda x 4



1Cx4H
L-greda x 6

5 sati
T-greda x 4



2Cx1H
Tanka greda x 2



1Cx1H greda x 2



3Cx2H Thin-D x 2



3Cx4H Thin-D x 2

IGLE



Dugačka
plava igla x 12



Duga , žuta
x2



Srednje crne boje x 26



Srednja igla - crna x 4



Središnji
osovinski klin - plavi
x 4

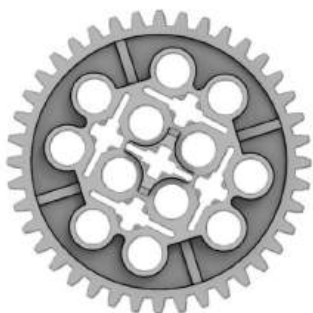


Kratka žuta igla x 2

Napomena: 'C' znači 'križ'.

Ńpr. "1CX4HL-greda ima jedan križ i
četiri rupe."

PRIJENOS



Lančanič-40T
x 1



Lančanič-8T x 2



Pužni
mjenjač - veliki
1x

KONEKTOR



3Hx4 igla
Konektor
x 2

PUNILA



Punilo za osovine
- veliko
x 14



Punilo za osovine
- malo
x 6

KOTAČI



bicikl
x 4

11. 10. 9. 8. 7. 6. 5. 4. 3. 2. 1.
Otvor Otvor Otvor Otvor Otvor Otvor Otvor Otvor Otvor Otvor Otvor



Greda

Pravni lijek

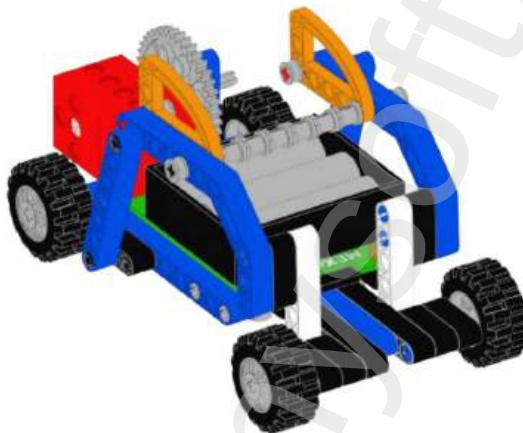


gata

Napomena: "H" u nazivu osovine znači greda, njezina visina je jednaka npr. - 5H. Osovina je jednaka visini grede 5H.

Projekt: MEX mobilni

Gradimo!



Stvari koje su nam potrebne



11H
greda
x2



5H snop
x2



2Cx10H
Dvostruko
savijanje
greda
x2



Zupčanik s čeljustima
kotač-8T
1x



7 sati
greda
x3



7 sati
L-greda
x2



3Cx4H
Thin-D
x2



3Hx4Pin
Konektor
x2



9H
greda
x2



3H
greda
10 puta



Zupčanik s čeljustima
40T 1x



Punjenje
velike osovine
10 puta



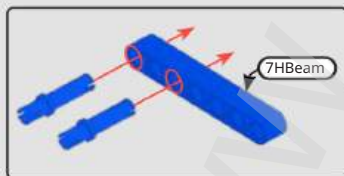
Savjet za montažu



Duge plave igle imaju dvije različite strane! Jedna strana može istovremeno ići u dvije grede, dok jedna strana može ići samo u jednu. Obratite pažnju na to koju stranu treba umetnuti u svakom koraku.



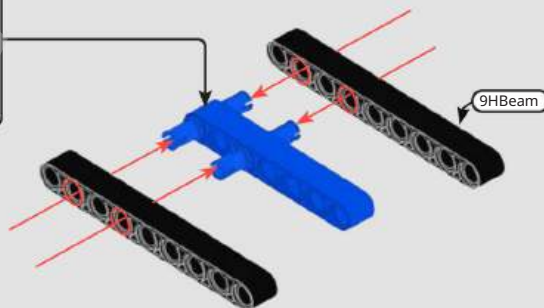
1



1:1



Duga plava igla

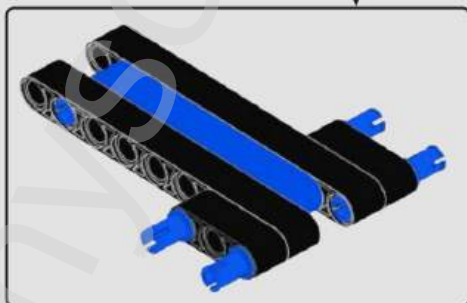
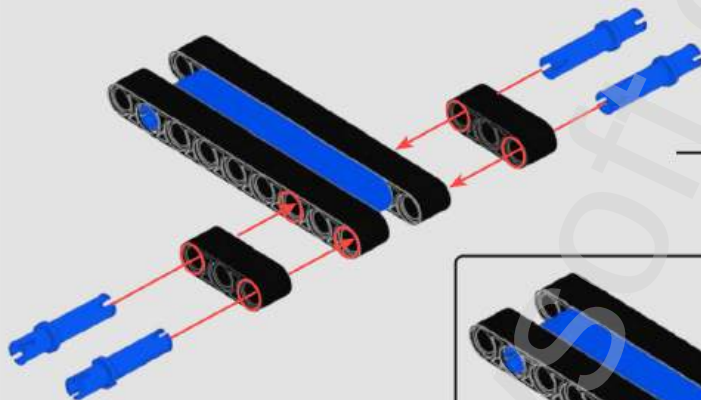


2

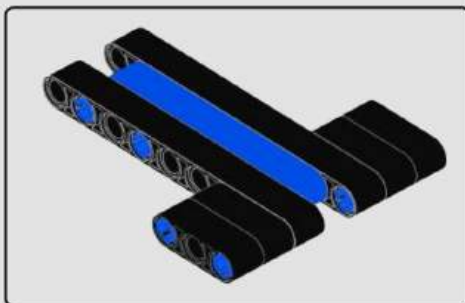
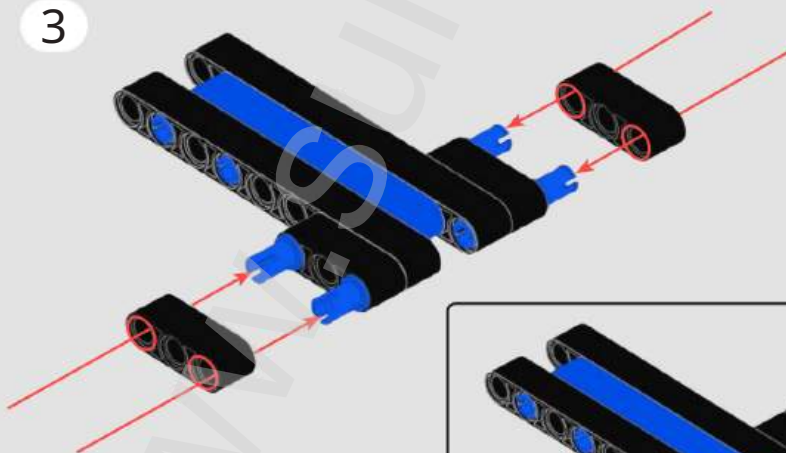
1:1



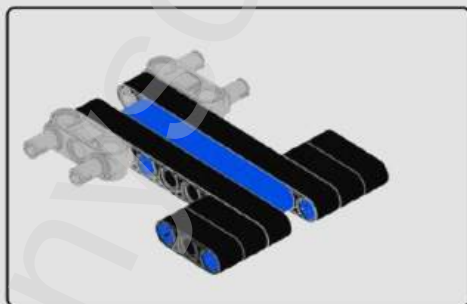
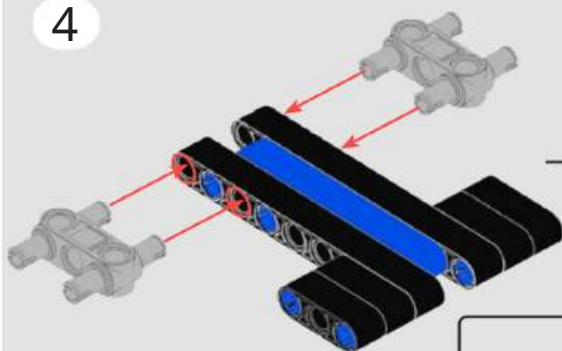
Duga plava igla



3



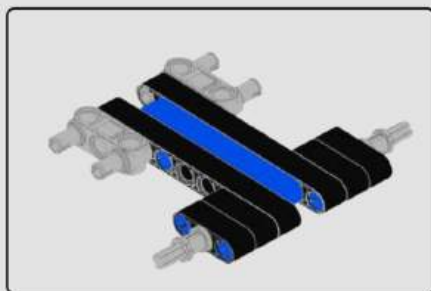
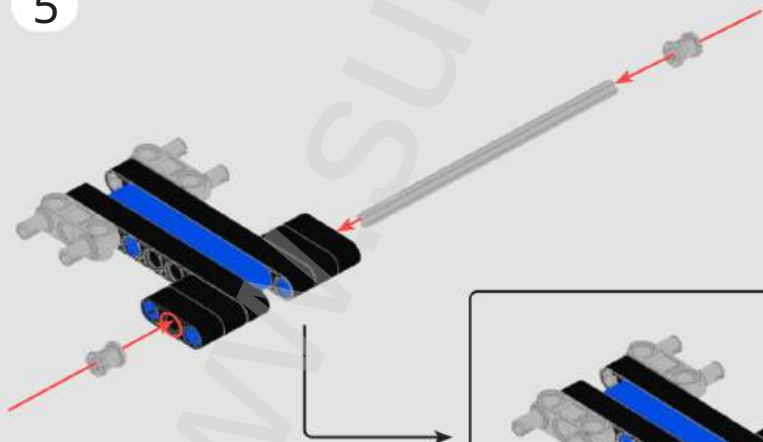
4



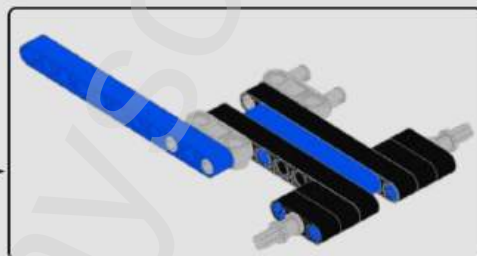
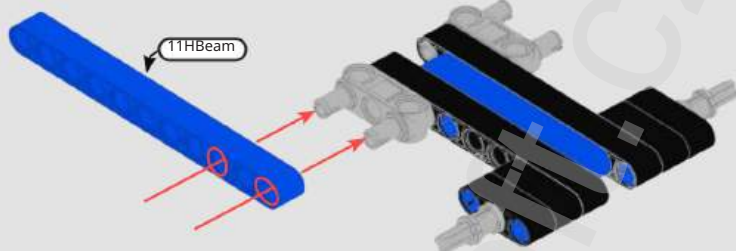
1:1

11H osovina

5



6



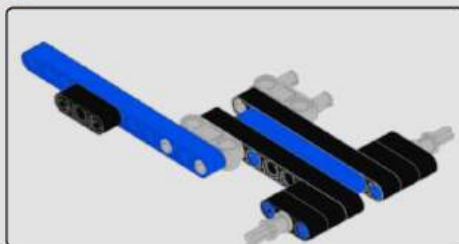
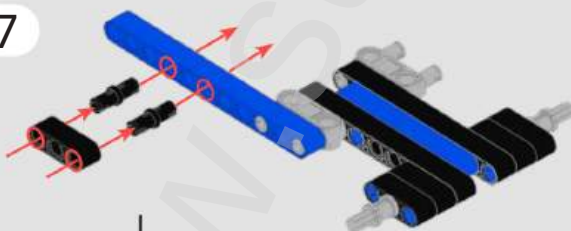
Savjet za montažu



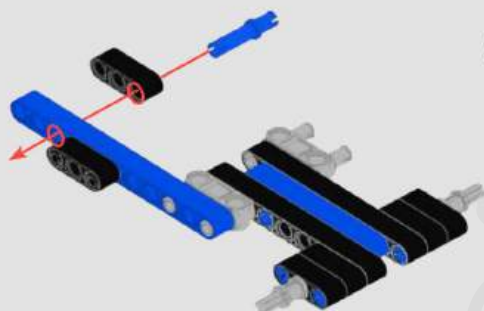
Crne srednje igle mogu biti malo teške za umetanje!
Ali ne brinite. Gurnite ih i provjerite je li spoj čvrst.
Upotrijebite malo sile. :)



7



8



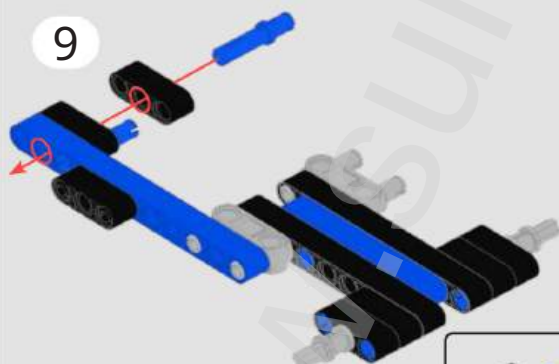
1:1



Duga plava igla



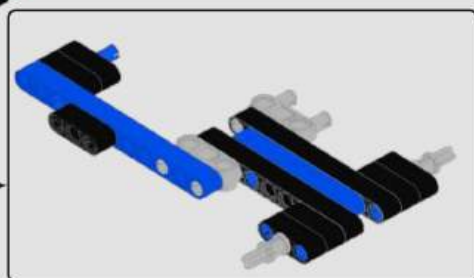
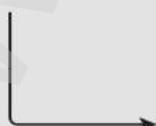
9



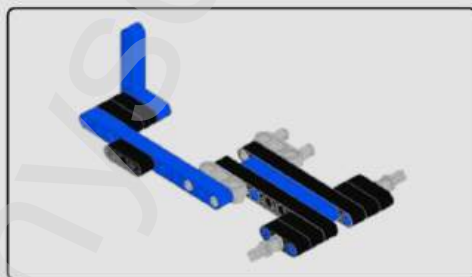
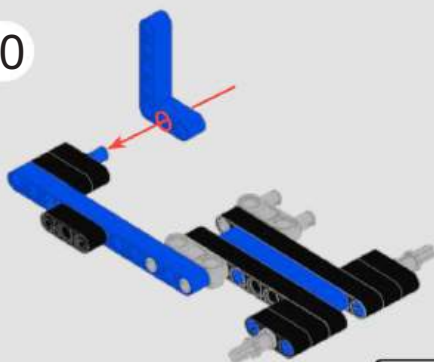
1:1



Duga plava igla



10

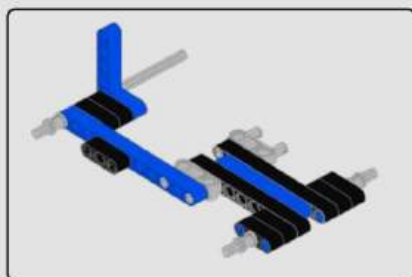
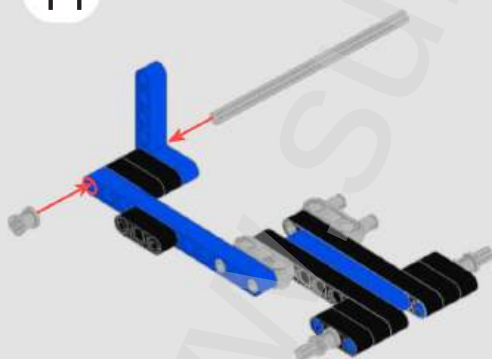


11

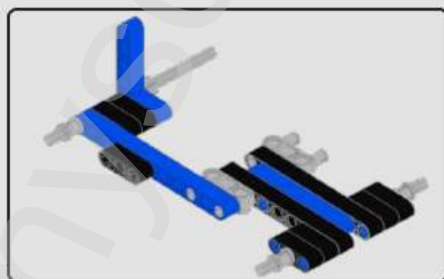
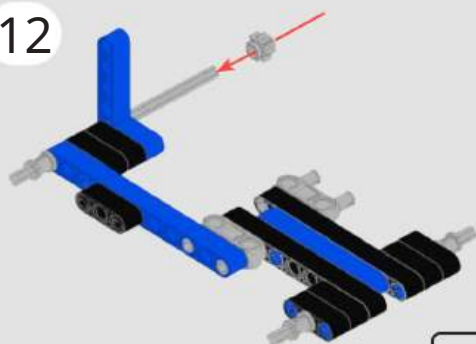
1:1



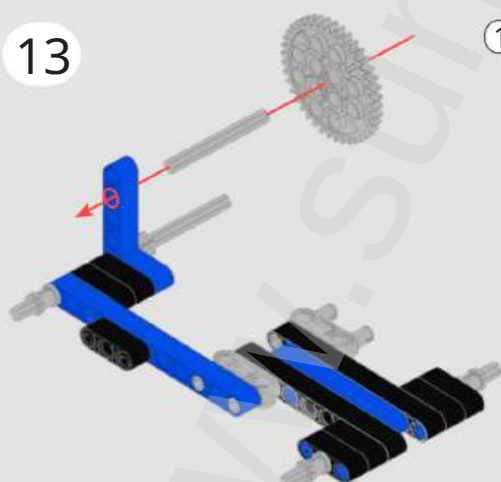
11H lijek



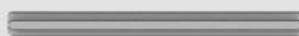
12



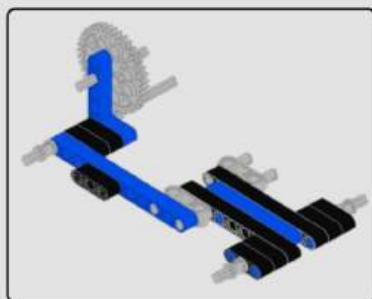
13



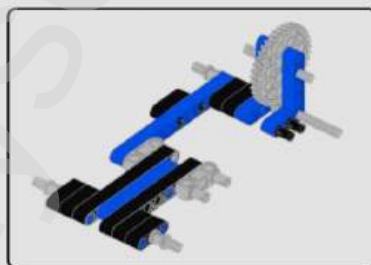
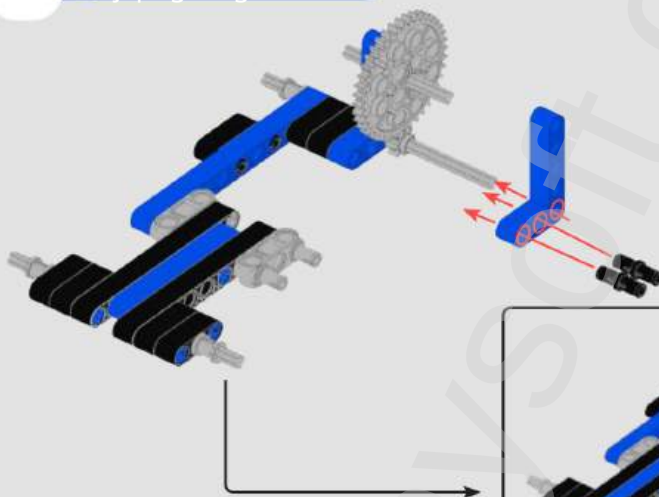
1:1



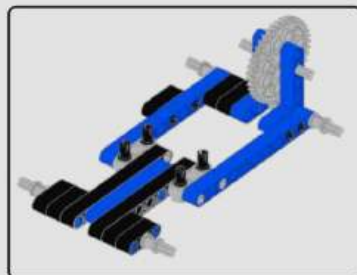
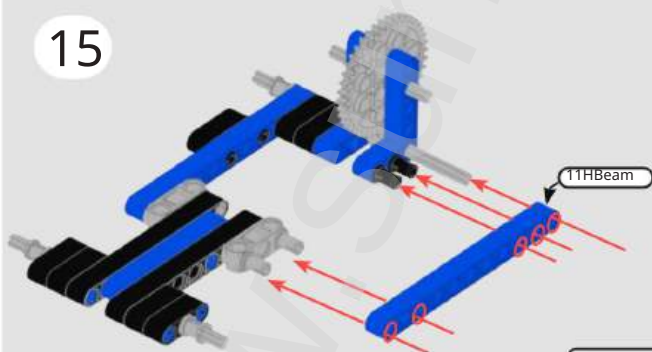
5H Iijek



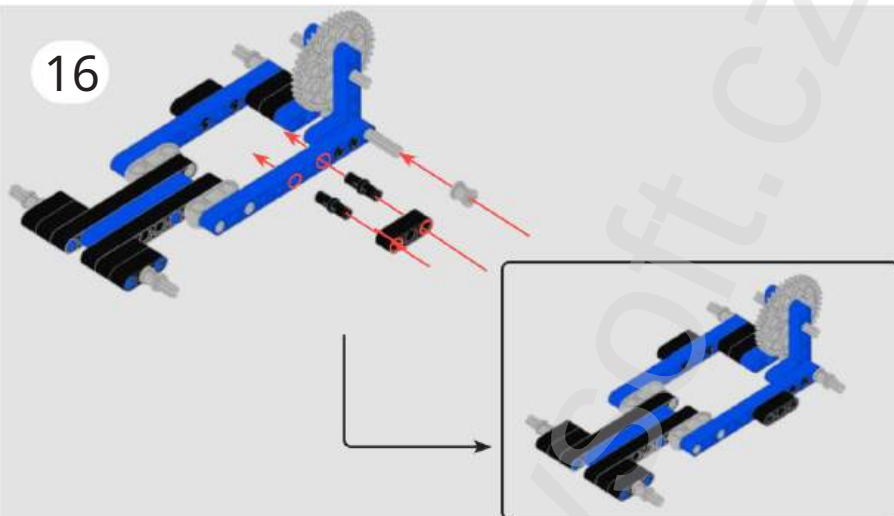
14 Prednji pogled gore desno



15



16



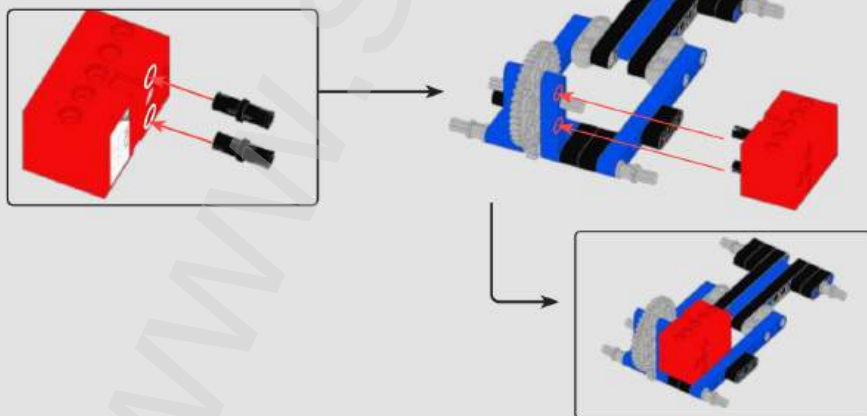
Upišite za sastavljanje



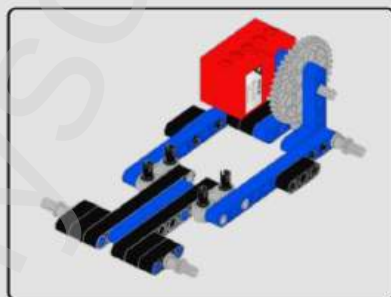
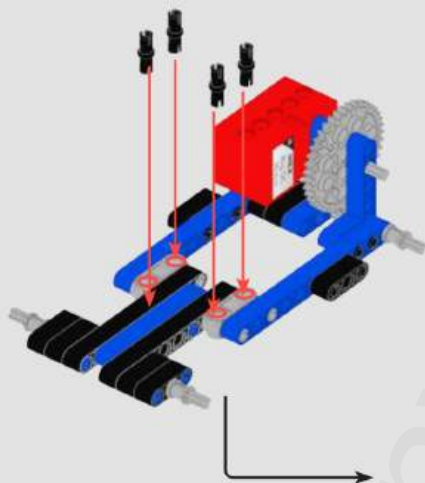
Crne srednje igle mogu se umetnuti samo na jednu stranu motora! Crne igle mogu se umetnuti samo na stranu motora s bijelom naljepnicom. Na drugoj strani s markerom - mogu se koristiti samo male žute igle.



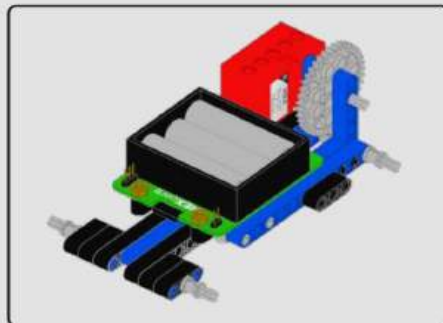
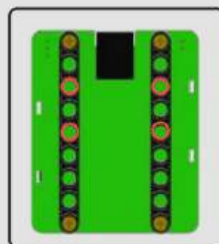
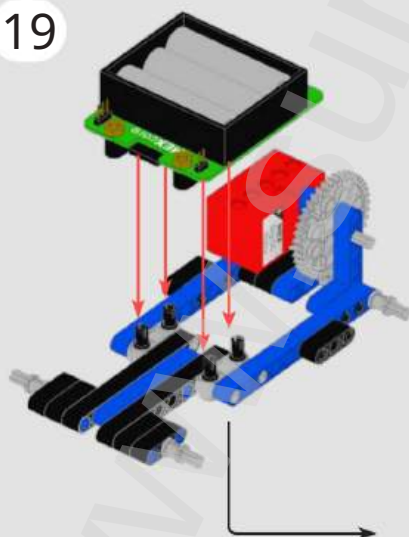
17 Pogled odozgo lijevo straga



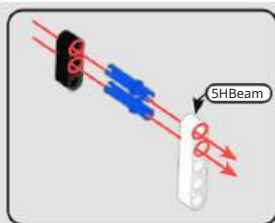
18 Zgornji pogled gore desno



19



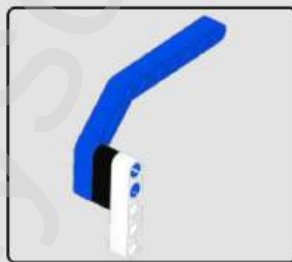
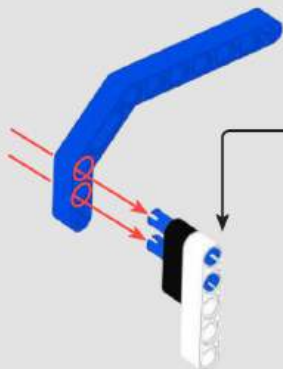
19



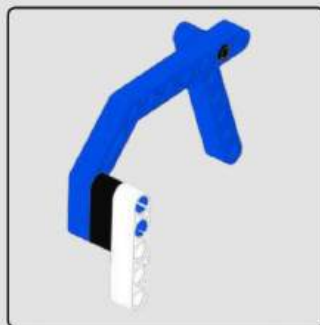
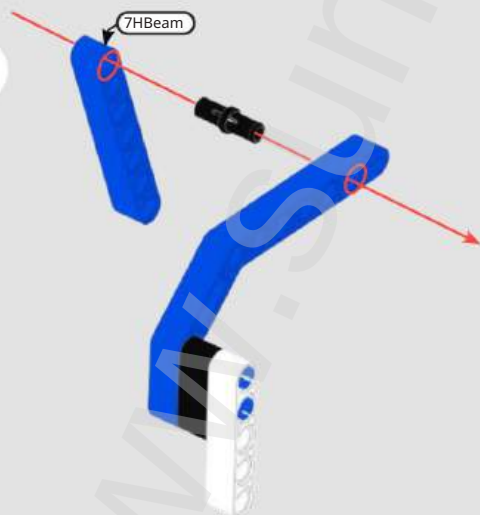
1:1



Duga plava igla



20

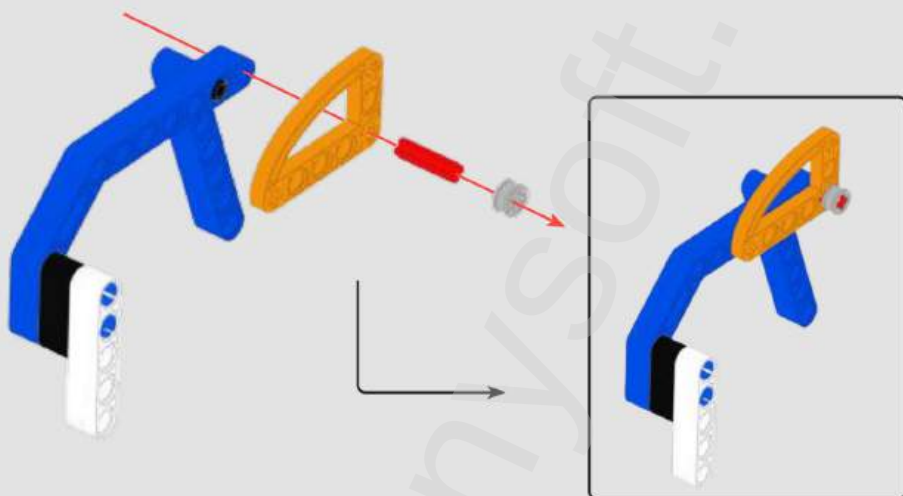


21

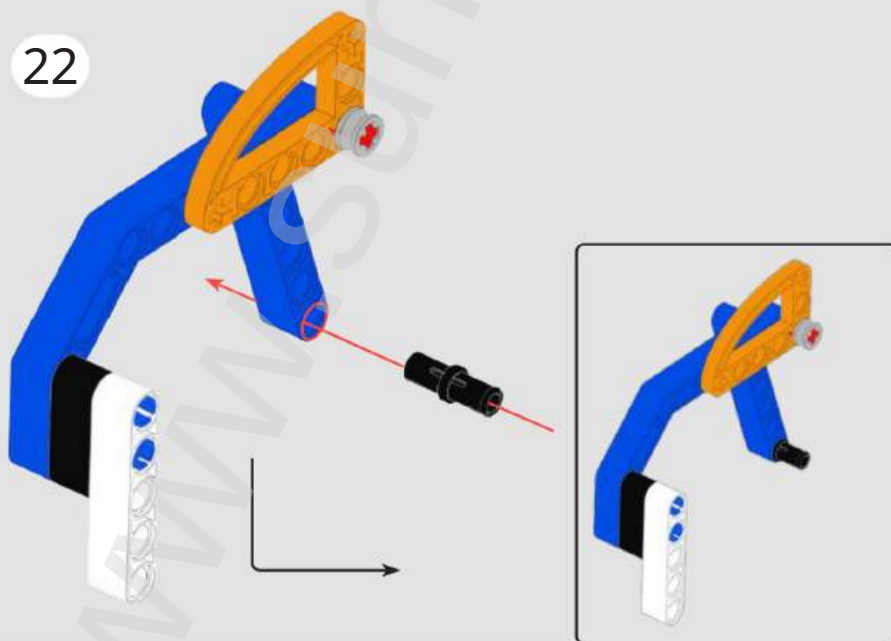
1:1



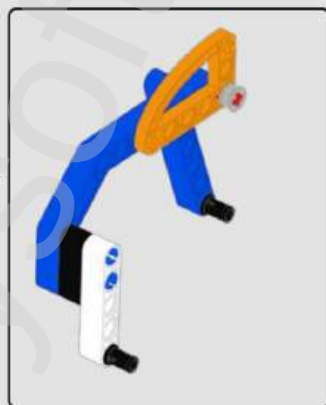
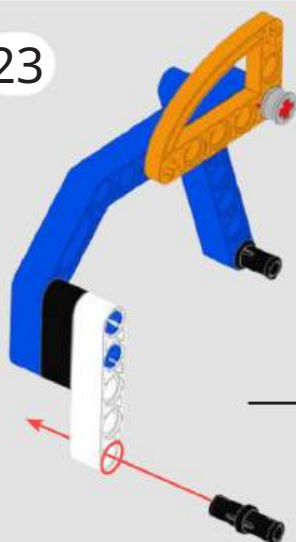
2H lijek



22



23



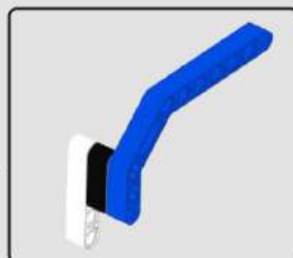
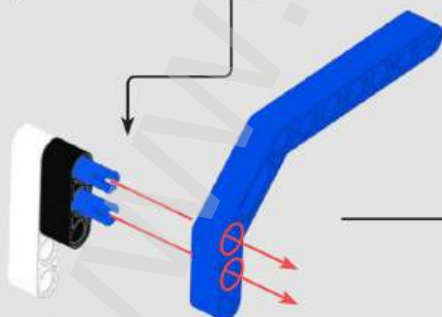
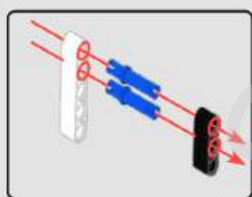
Npravimo stranu sa zrcalicom.

24

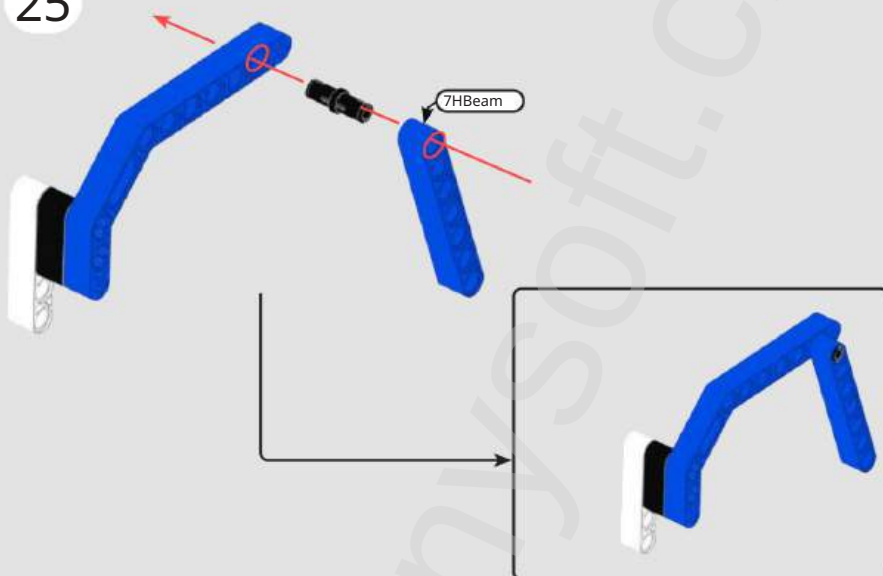
1:1



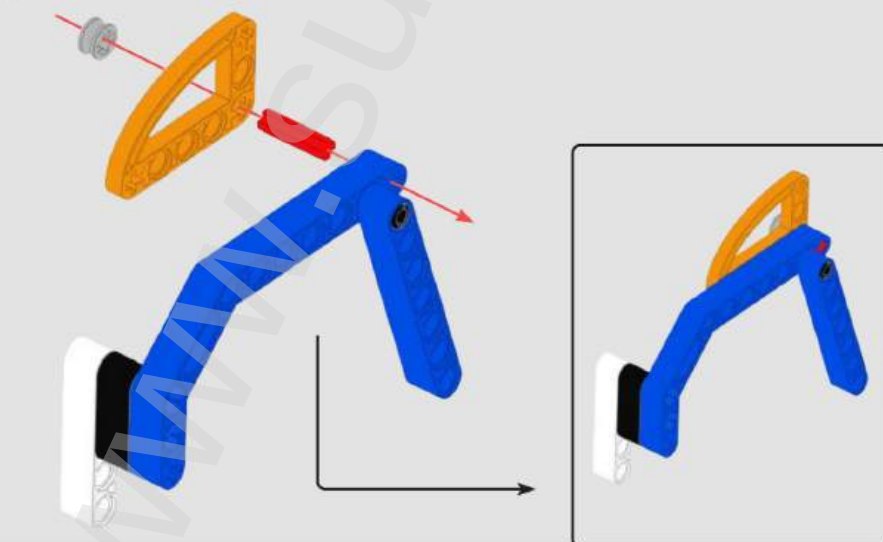
Duga plava igla



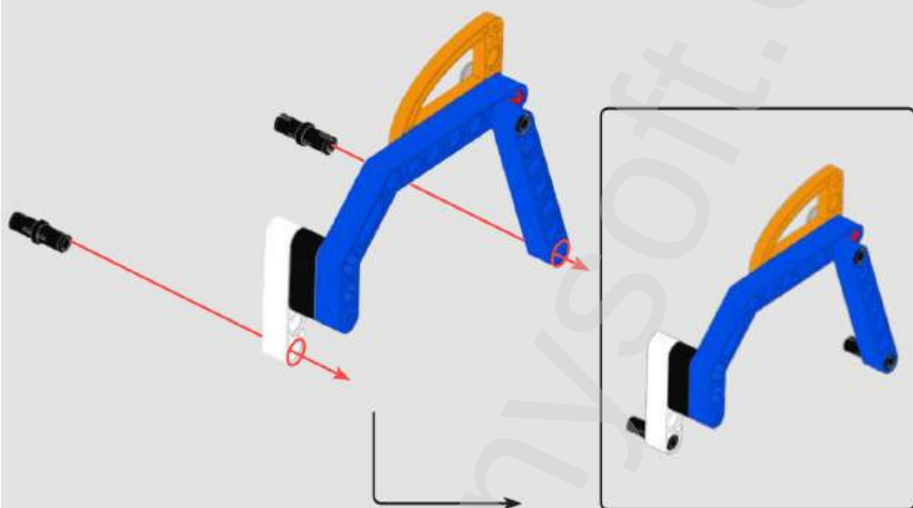
25



26



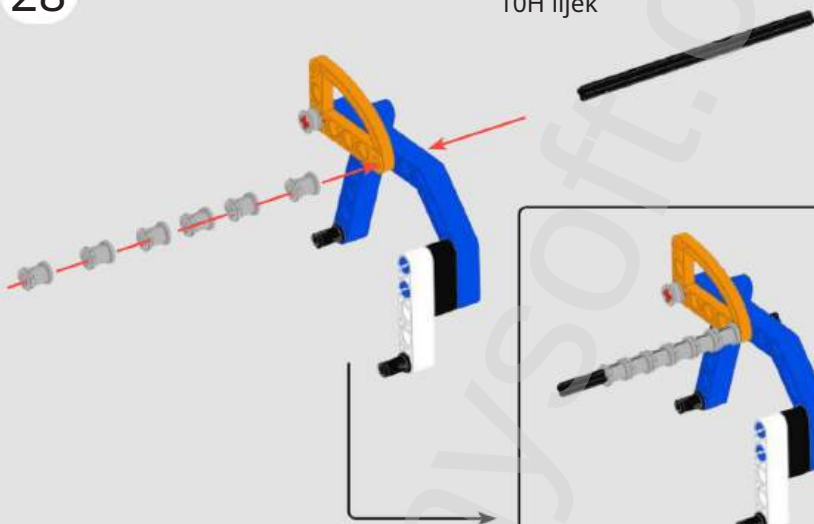
27



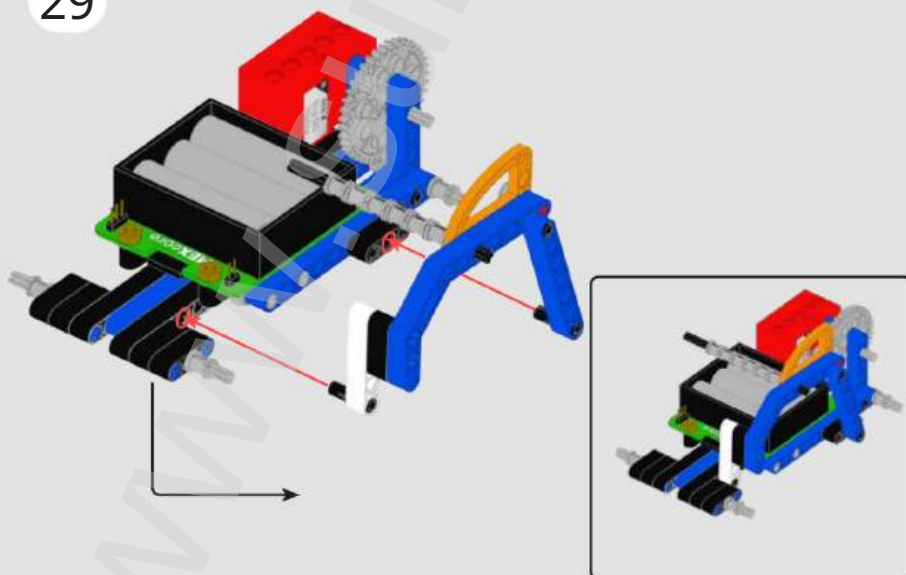
28

1:1

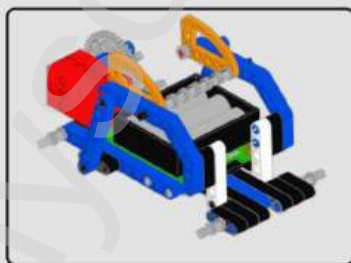
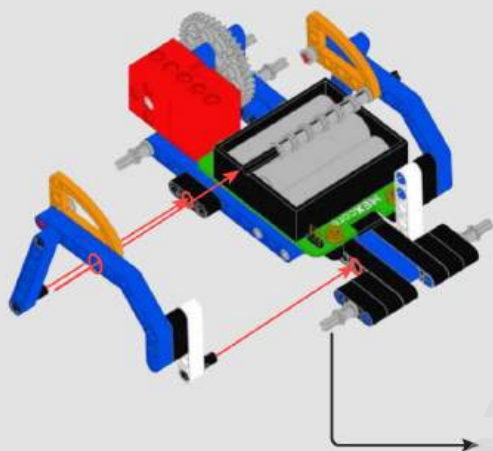
10H lijek



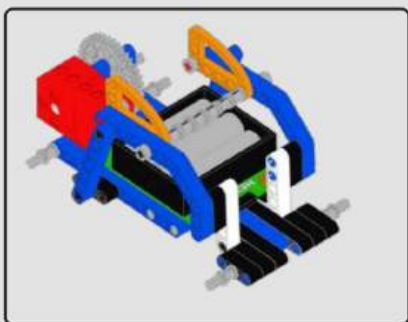
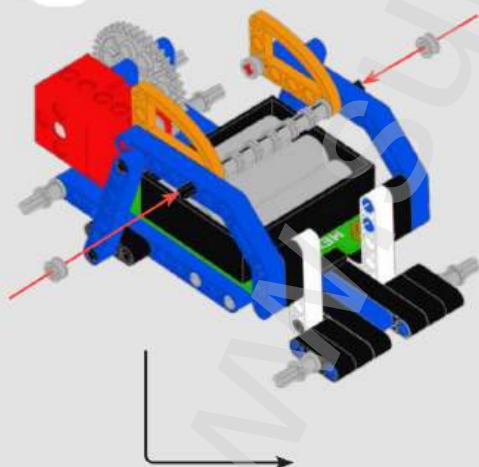
29



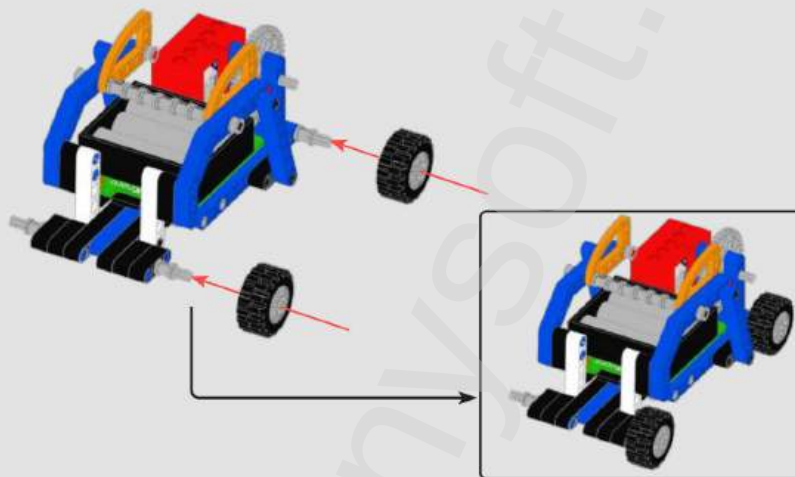
30



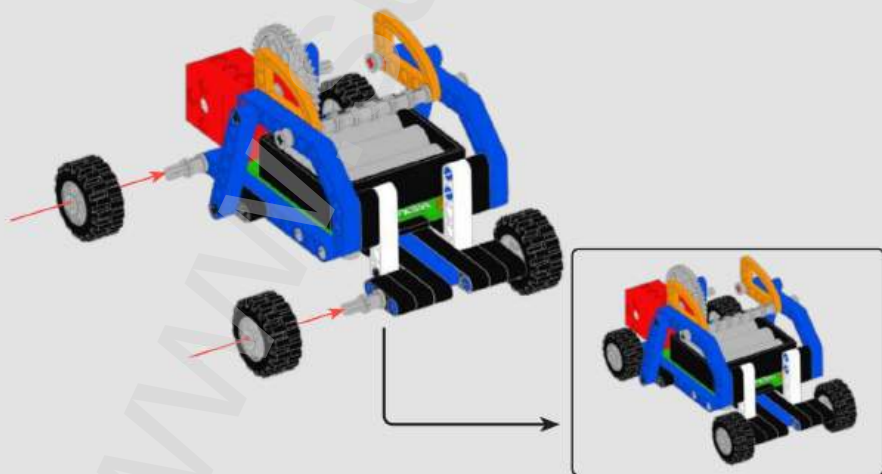
31



32



33



Čestitam na završetku ovog projekta!

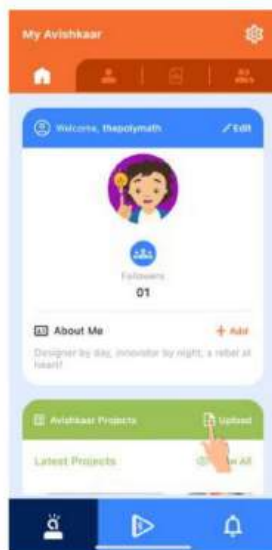
Uživajte igrati se s njim koristeći mobilna aplikacija avishkaar?
Detaljne upute o preuzimanju aplikacije i upravljanju robotom putem nje potražite na stranici 8.



Podijelite svoju kreaciju sa svijetom i osvojite značku 1. razine 'Zagrebi površinu'

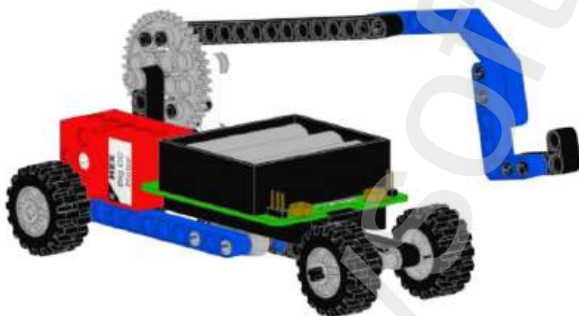
Prenesite fotografije ili videozapise svog projekta koristeći odjeljak za projekte u aplikaciji Avishkaar i osvojite značku razine 'Zagrebi površinu'

1. Pogledajte sve svoje kolekcije značke u odjeljku postignuća vašeg profila na www.avishkaar.cc. Istražite sve ostale značke koje želite skupiti i osvojite ih sve!



Projekt 2: Dizalica

Gradimo!



Stvari koje su nam potrebne



15 sati
Greda
1x



11 sati
Greda
x2



9 sati
Greda
x2



5H greda
1x



3H
Greda
x6



5 sati
T-greda
x2



2Cx10H
Dvostruko
savijanje
Greda
1x



7H L-greda
1x



1Cx4H
L-greda
1x



Frontalni
zupčanik
40T x 1



Zupčanik s čeljustima
zvjezdasti kotač-8T
1x



3Hx4Pin
Konektor
x2



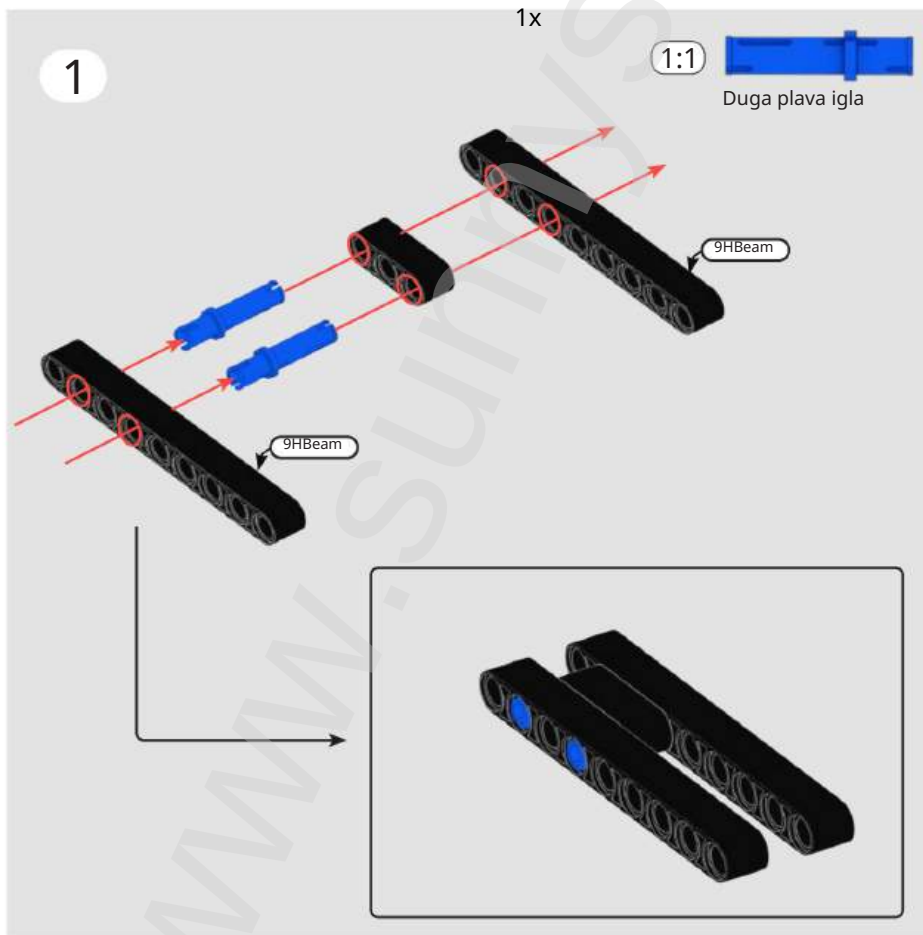
Punjenje
velike osovine
5 puta



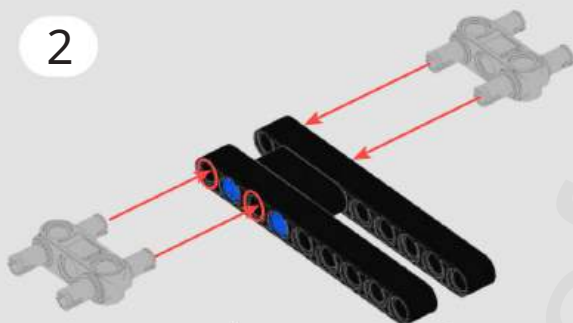
Punjenje
osovine -
male
x3



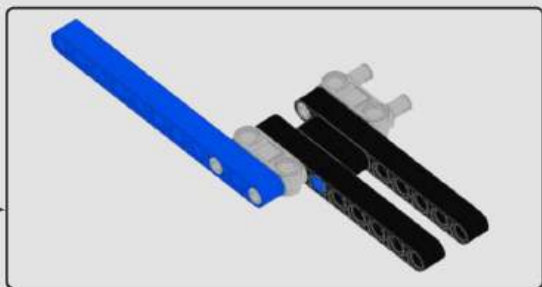
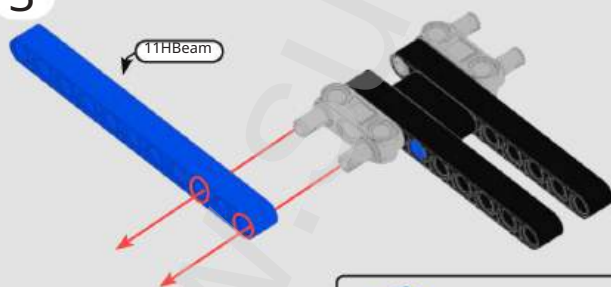
5 sati
Pravni lijek
1x



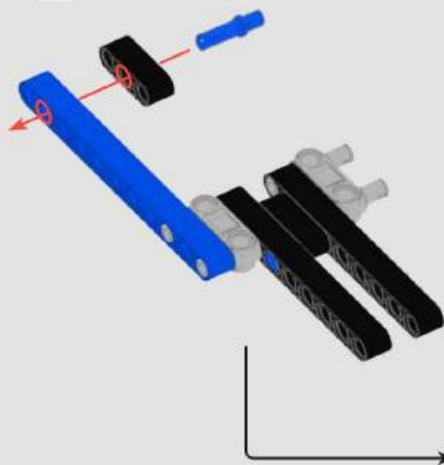
2



3



4



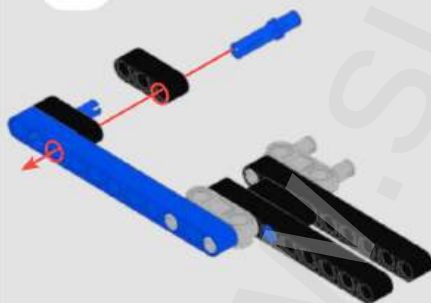
1:1



Duga plava igla



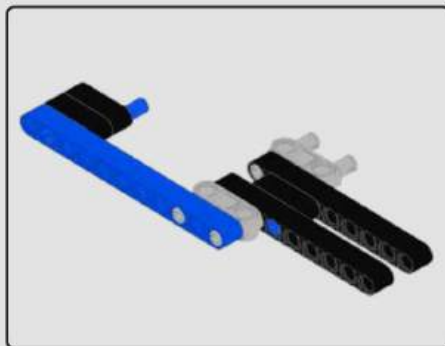
5



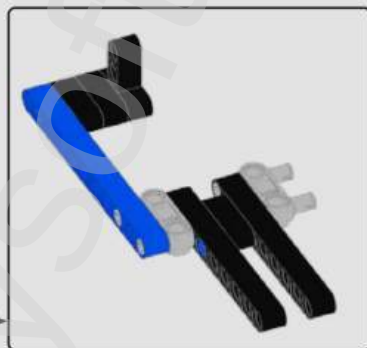
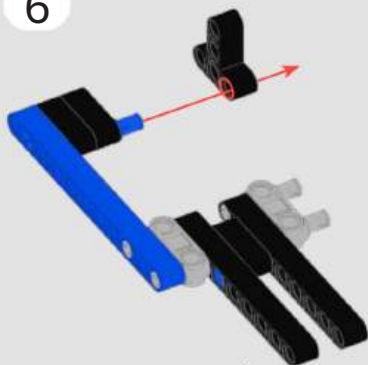
1:1



Duga plava igla



6



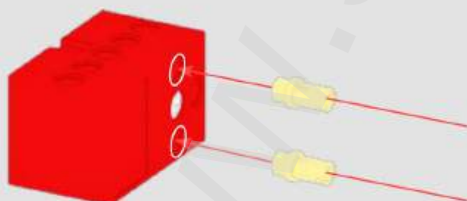
Savjet za montažu



Kratke žute igle mogu biti malo tanke! Budite oprezni pri korištenju. Lako se lome. A također mogu biti teški za uklanjanje – zamolite roditelja ili odraslu osobu da vam pomogne da ih sigurno uklonite uklonjeno.



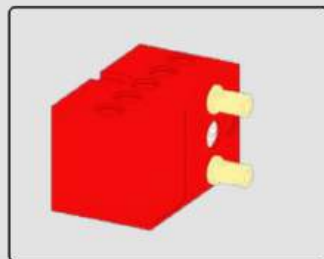
7



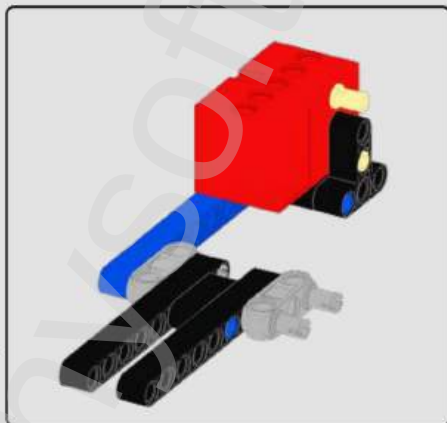
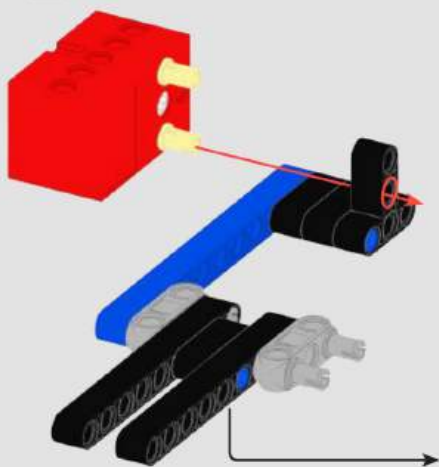
1:1



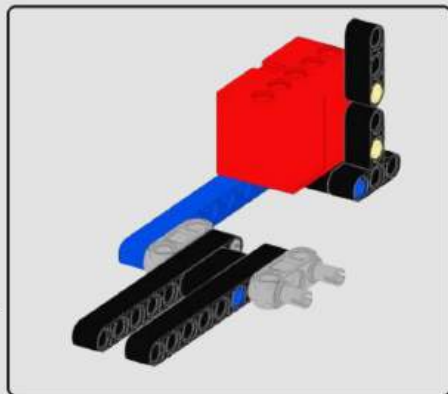
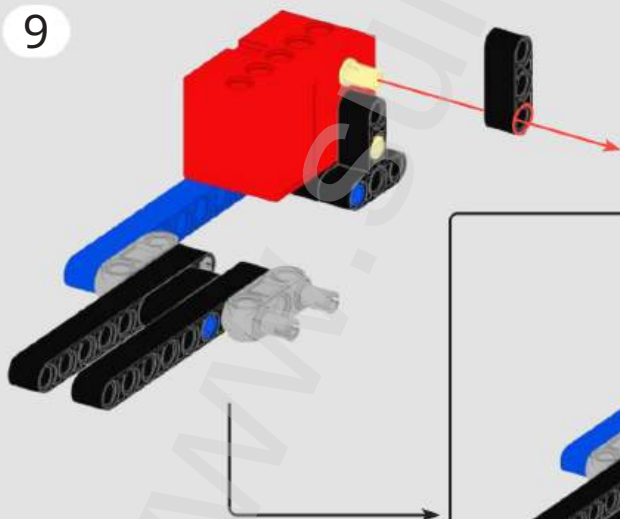
Kratka žuta igla



8



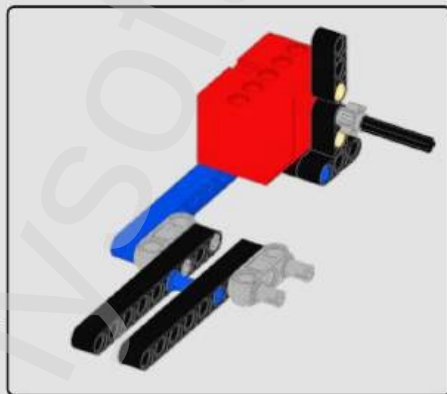
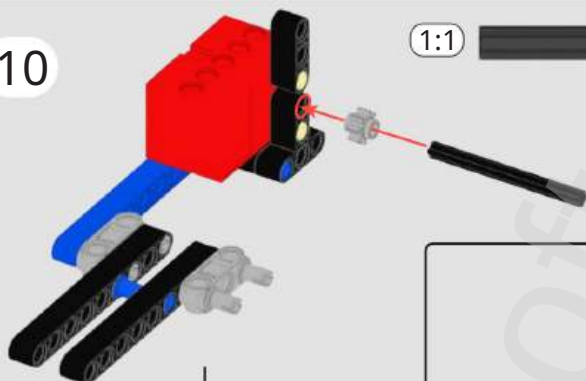
9



10

1:1

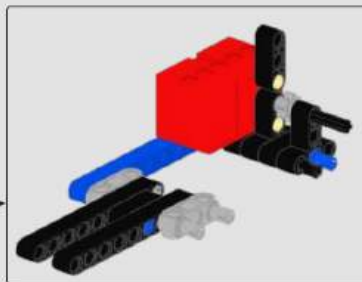
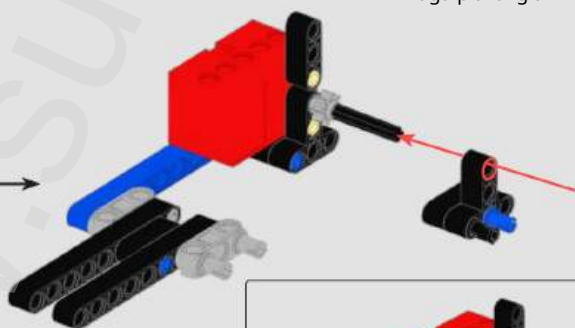
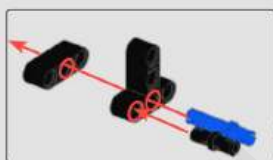
6H lijek



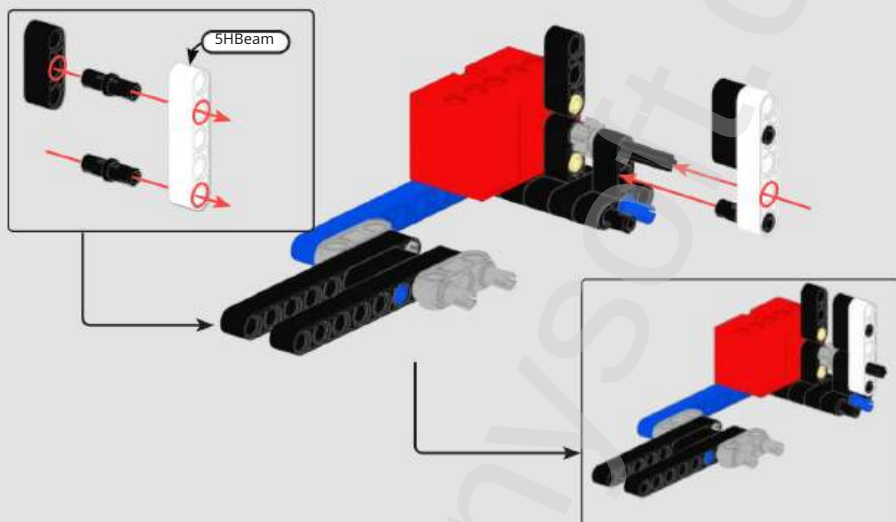
11

1:1

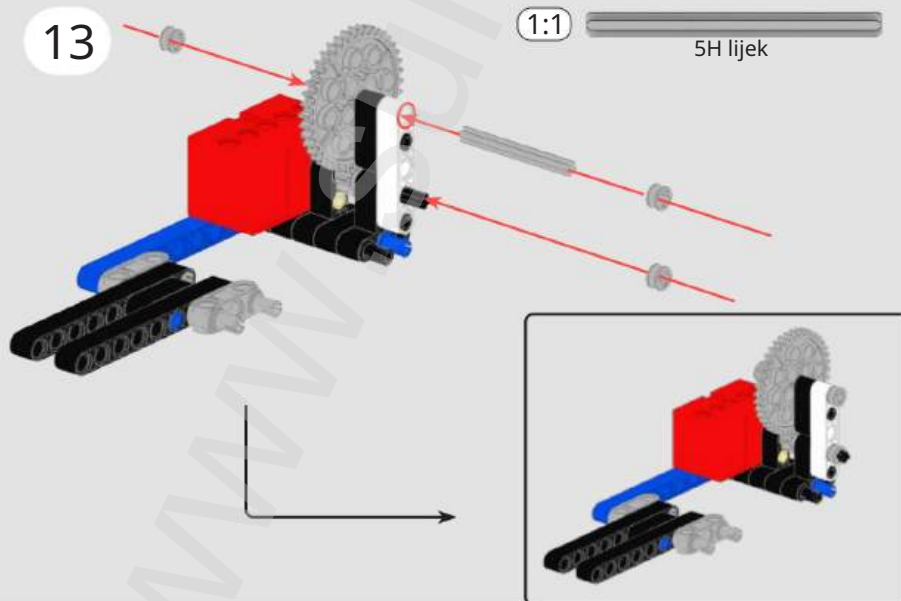
Duga plava igla



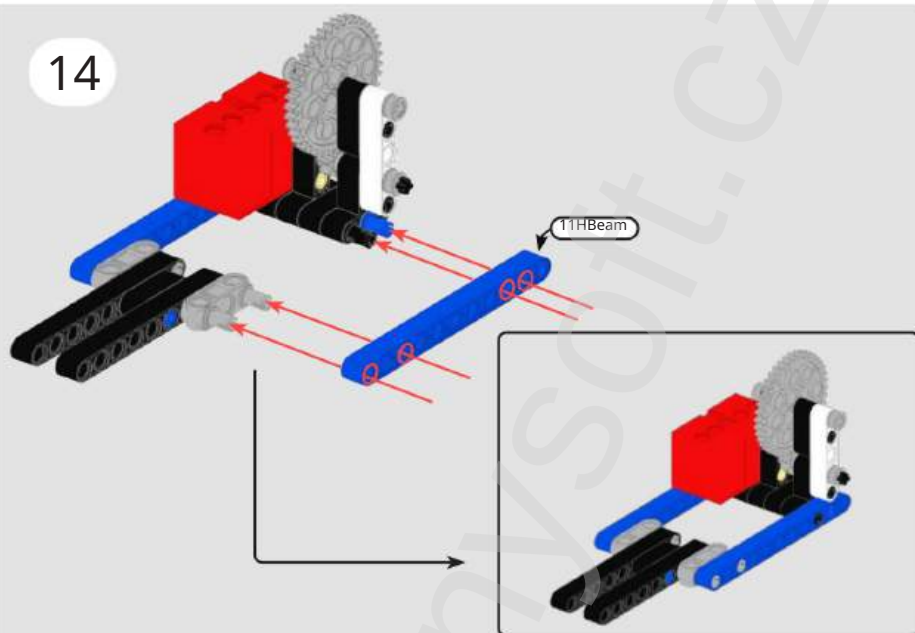
12



13



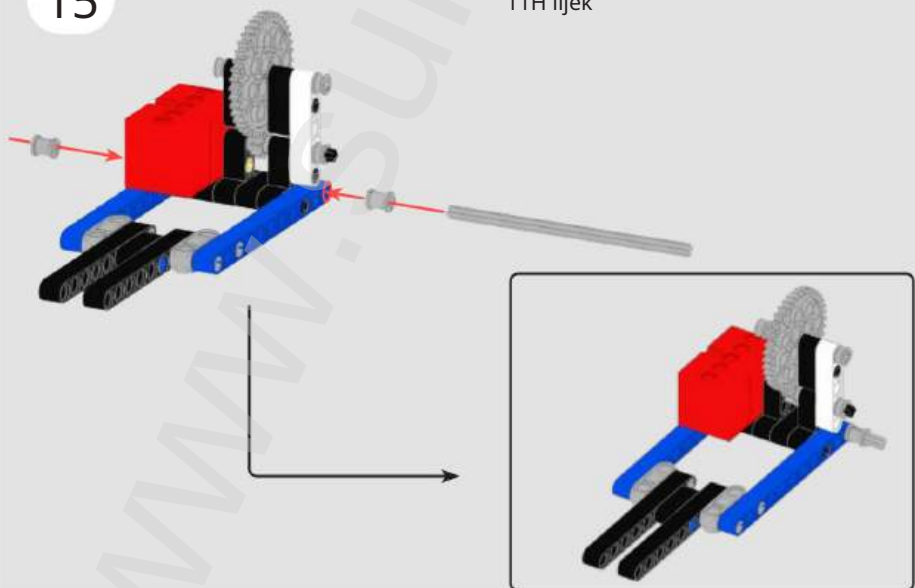
14



15

1:1

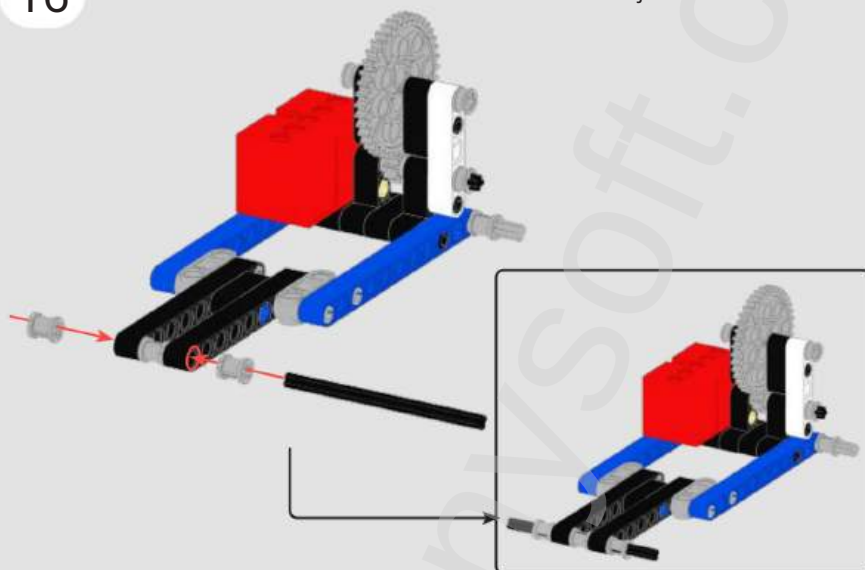
11H lijek



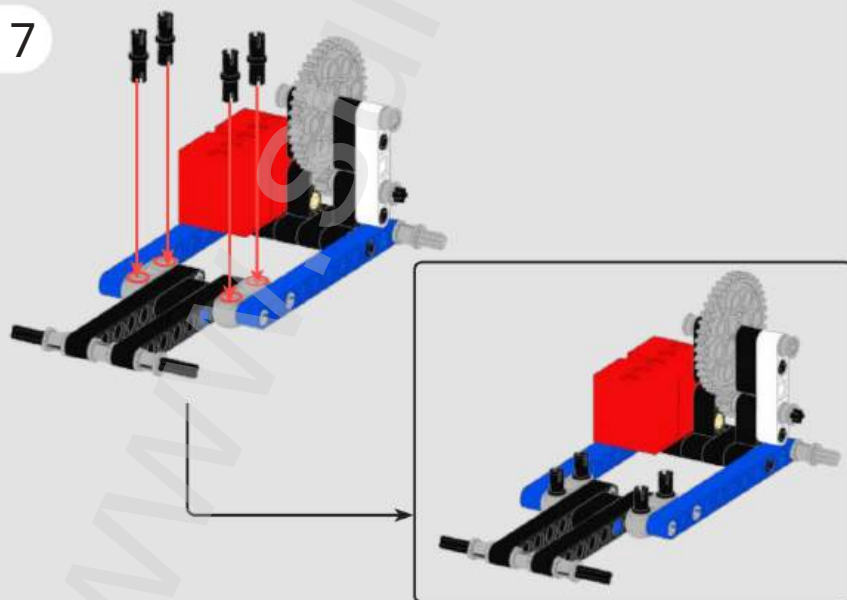
16

1:1

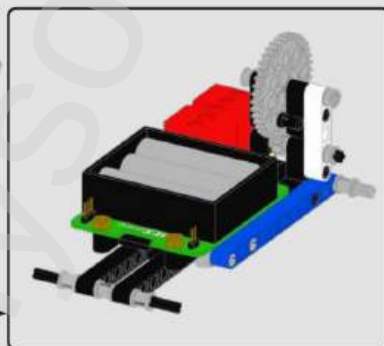
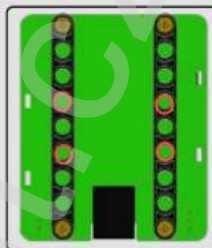
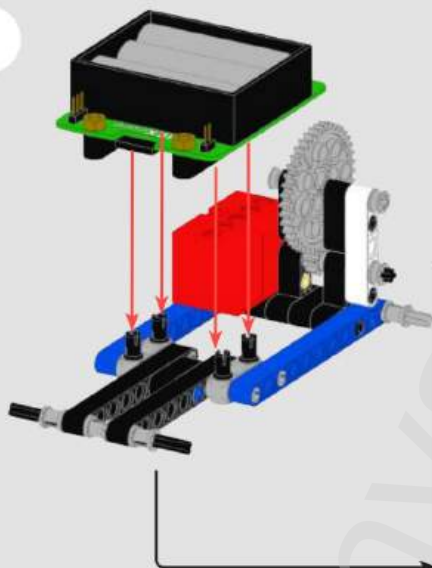
8H lijek



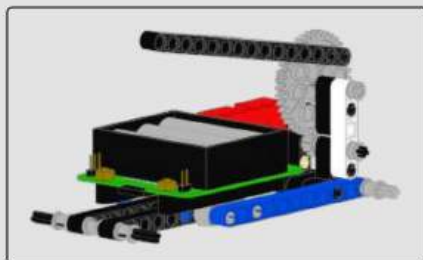
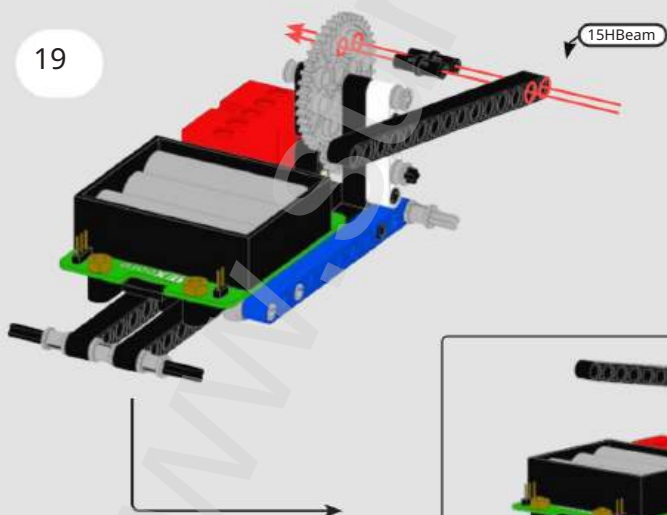
17



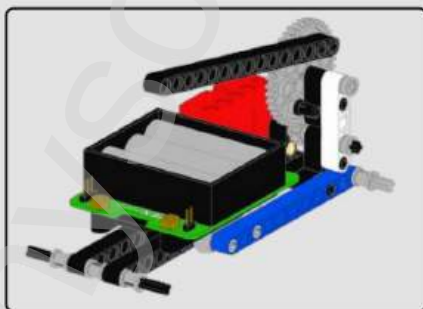
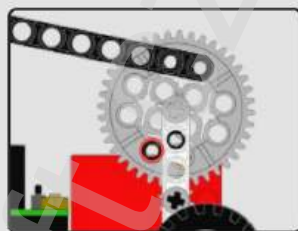
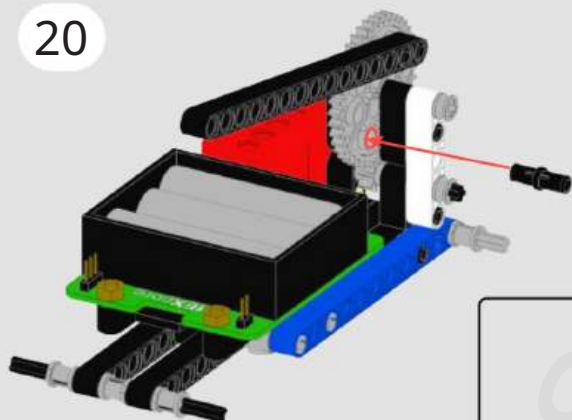
18 godina



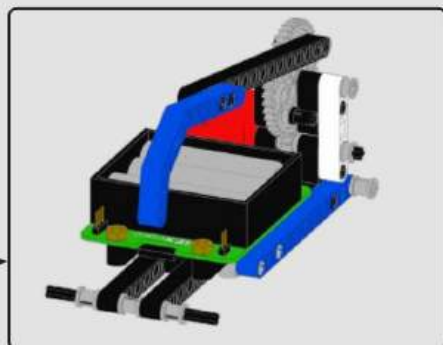
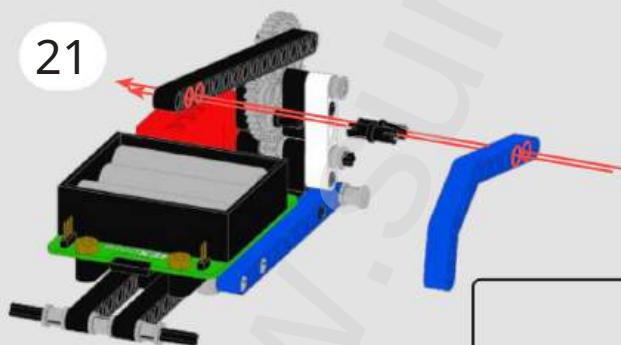
19



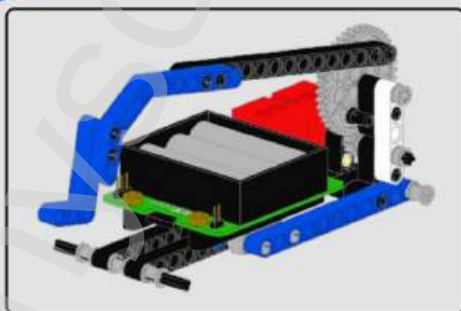
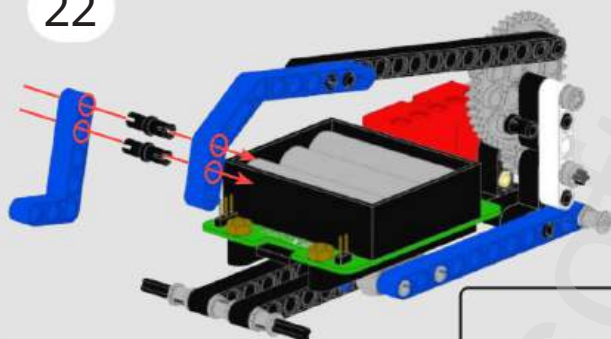
20



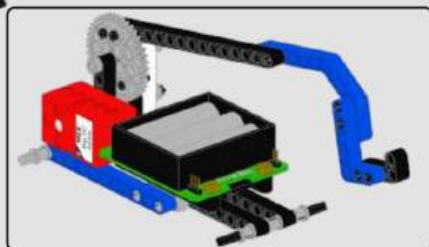
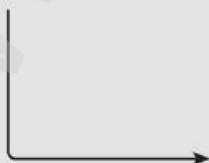
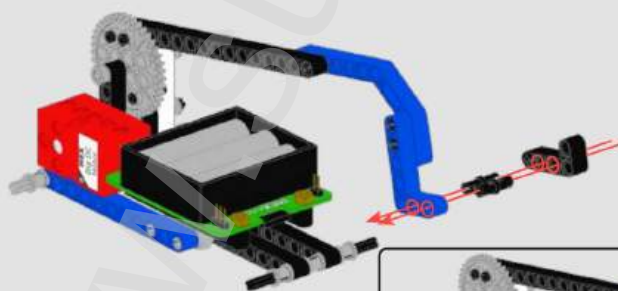
21



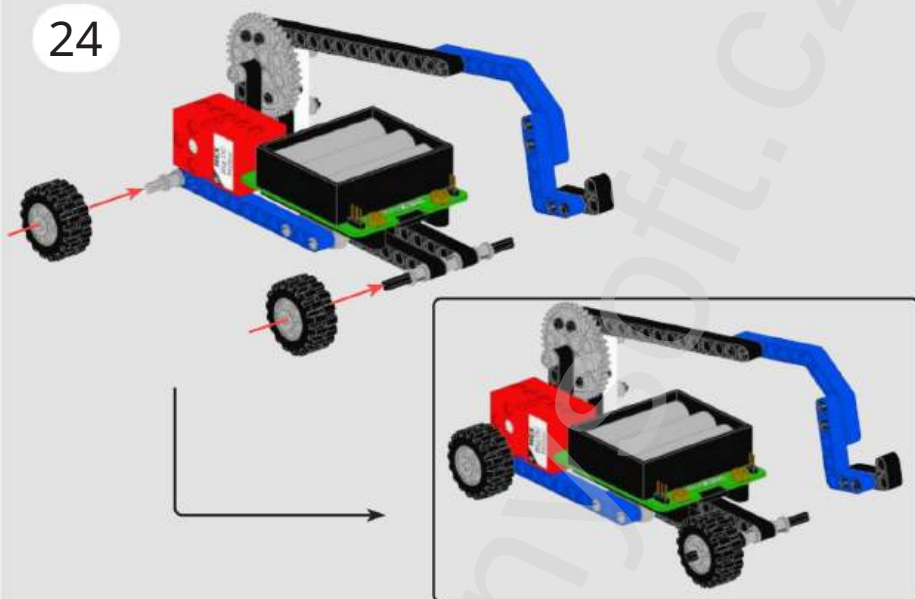
22



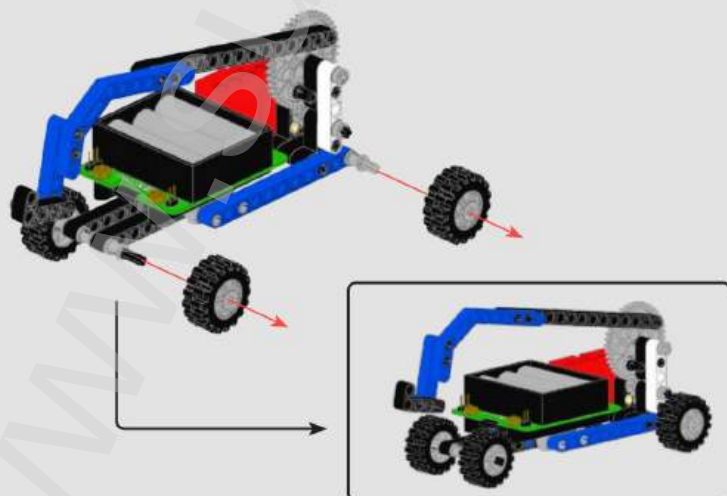
23



24



25



Čestitam na završetku ovog projekta!

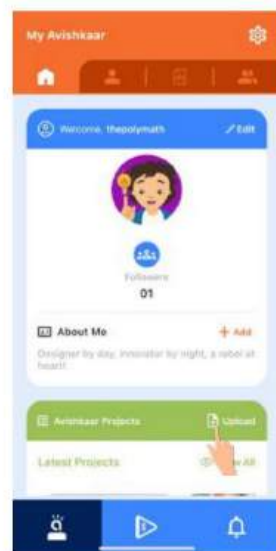
Uživajte igrati se s njim koristeći mobilna aplikacija avishkaar?
Detaljne upute o preuzimanju aplikacije i upravljanju robotom putem nje potražite na stranici 8.



Podijelite svoju kreaciju sa svijetom i osvojite značku 2. razine "Zagrebi površinu"

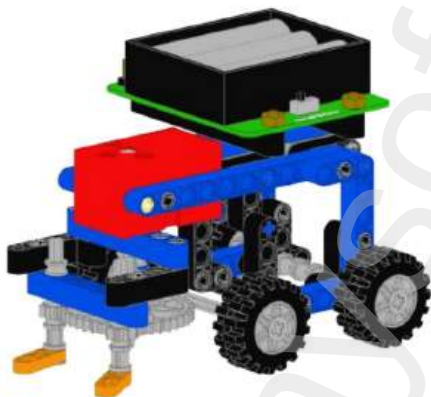
Prenesite fotografije ili videozapise svog projekta pomoću odjeljka za projekte u aplikaciji Avishkaar kako biste zaradili značku 2. razine „Zagrebi površinu“.

Pogledajte sve svoje kolekcije značke u odjeljku postignuća vašeg profila na www.avishkaar.cc. Istražite sve ostale značke koje želite skupiti i osvojite ih sve!



Projekt 3: Ralica za snijeg

Gradimo!



Stvari koje su nam potrebne



11 sati
Greda
x2



7 sati
Greda
x4



3H
Greda
x2



7H L-greda
x2



5HT
Greda
x4



1Cx4H
L-greda
x4



2Cx1H
Tanka greda
x2



Frontalni
zupčanik
40T x 1



Zupčanik s čeljustima
kotač-8T x 2



3Hx4 igla
Konektor
x2



Punjenje
velike osovine
x11



Punjenje
osovine -
male
x3



5H Pokrivena
osovina
x 2



11 sati
Lijek x 2



Osovina 6H x
1



Kratak
Pin-žuta
x 2



Dugačke
plave igle x 5



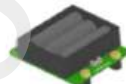
Srednji
Prikrivači
crna
x 20



Središnji
osovinski klin - plavi
x 2



Kotač x 4



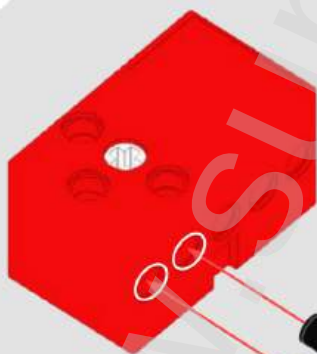
Avishkaar
MEXCore
x 1



MEX veliki

Istosmjerni
motor x 1

1



1:1



Kratka žuta igla

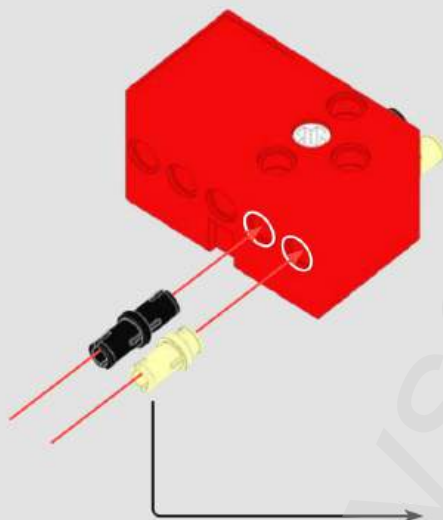


2

1:1



Kratka žuta igla

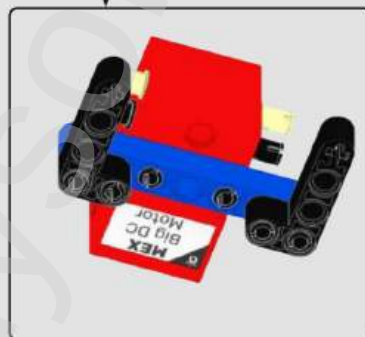


3

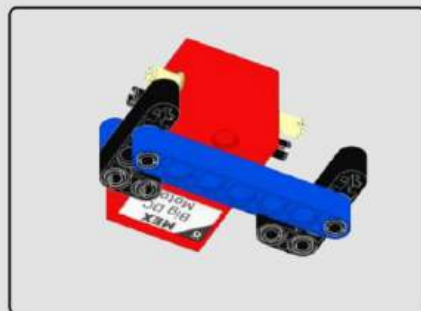
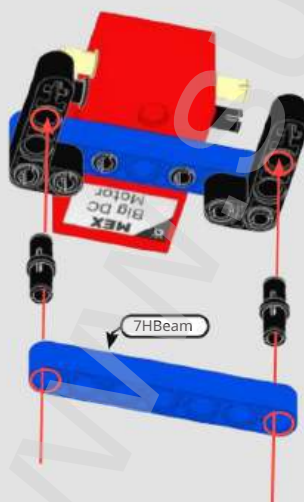
Prednji pogled dolje desno



4



5

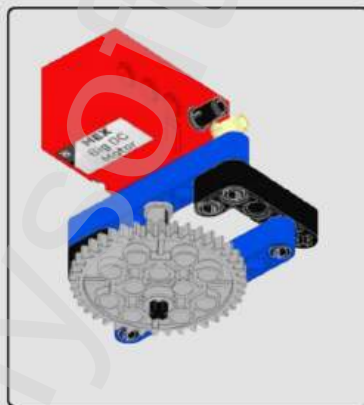


6

Stražnji pogled dolje lijevo

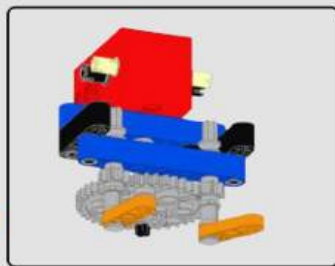
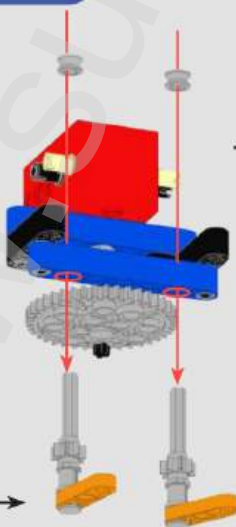
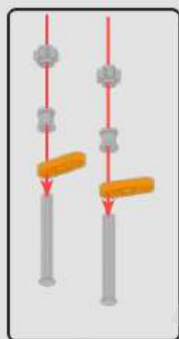
1:1

6H Iijek



7

Prednji pogled dolje lijevo

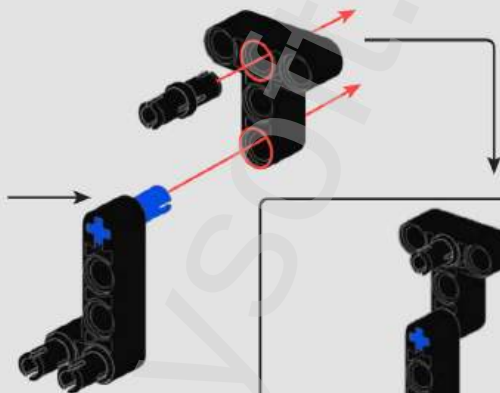
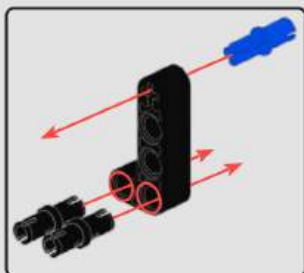


8

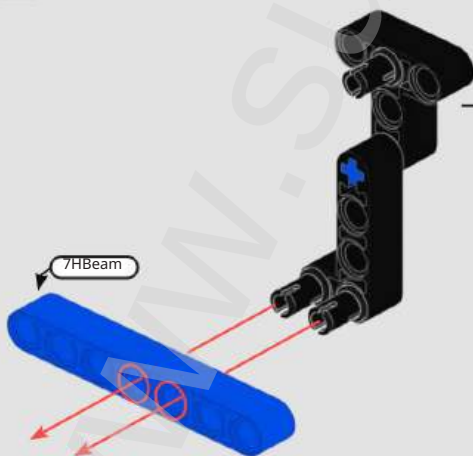
1:1



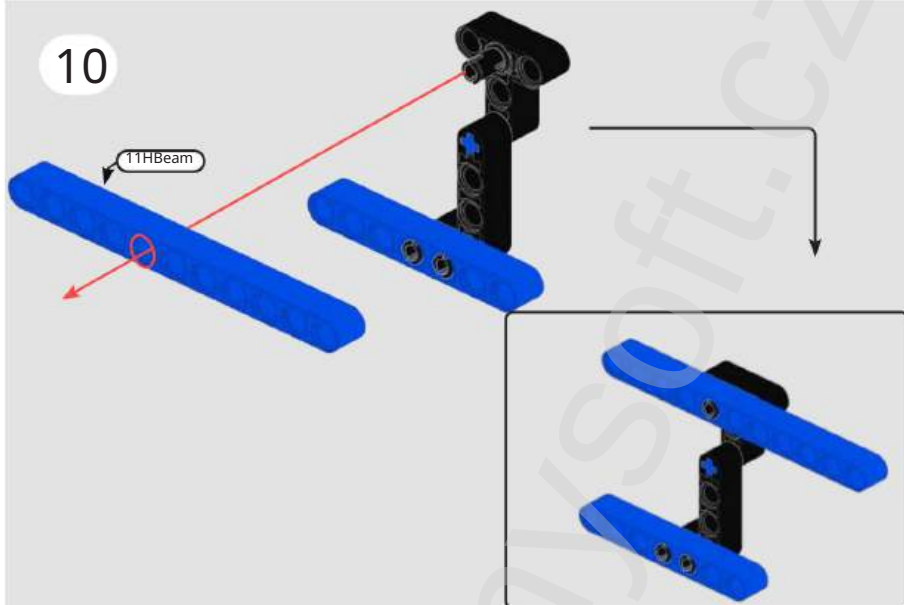
Plavi klin srednje osovine



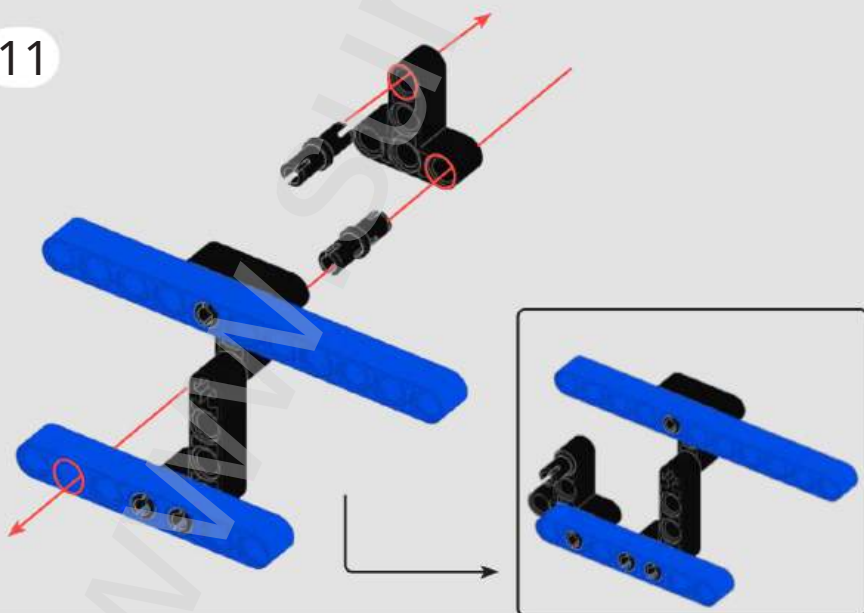
9



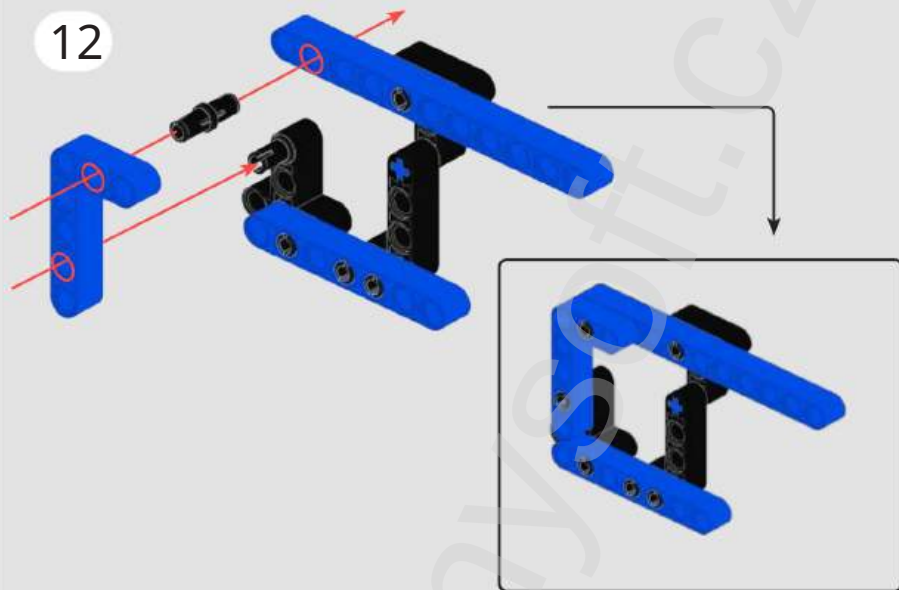
10



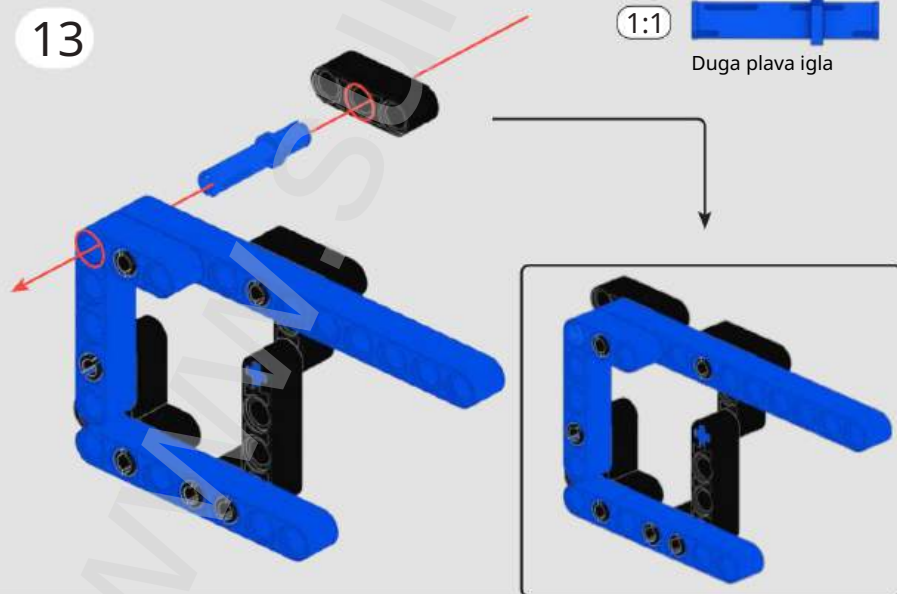
11



12



13



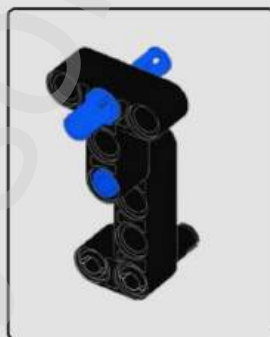
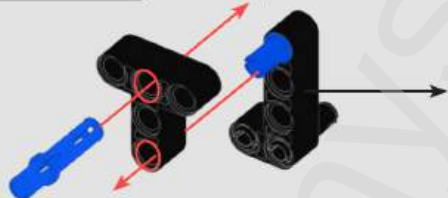
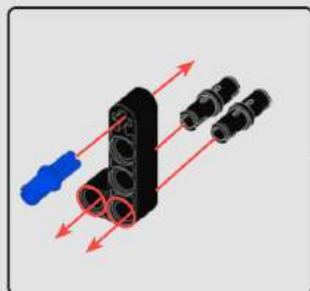
14

Npravimo drugu stranu.

1:1

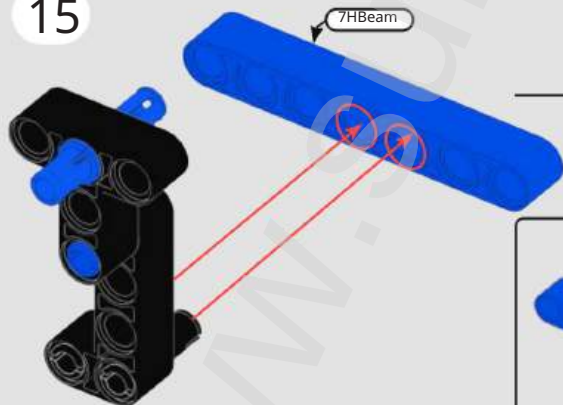


Plavi klin srednje osovine

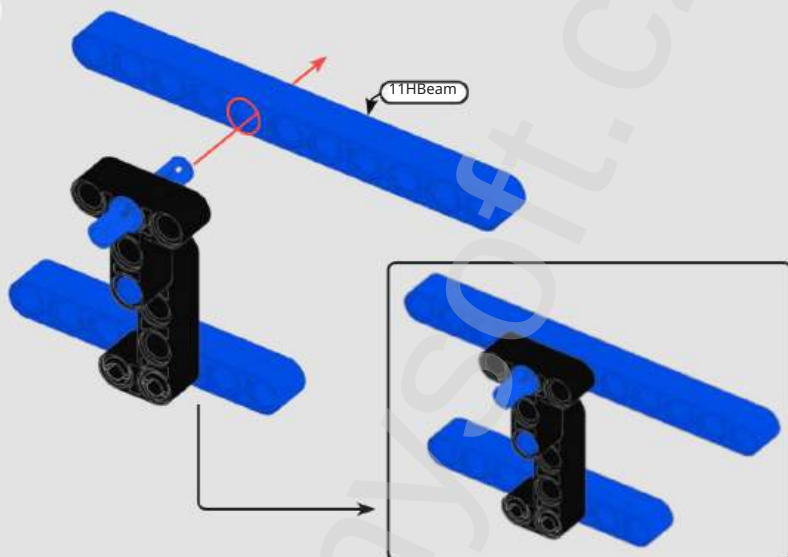


15

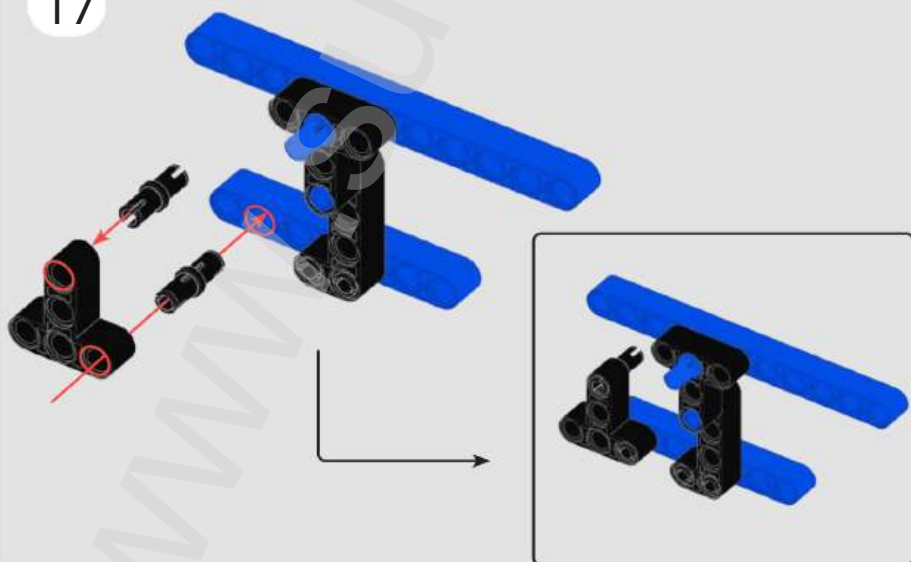
7HBeam



16



17

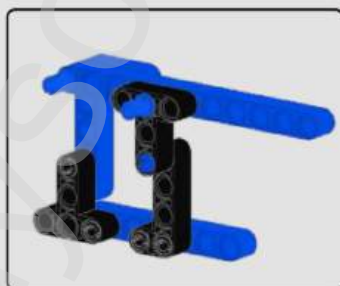
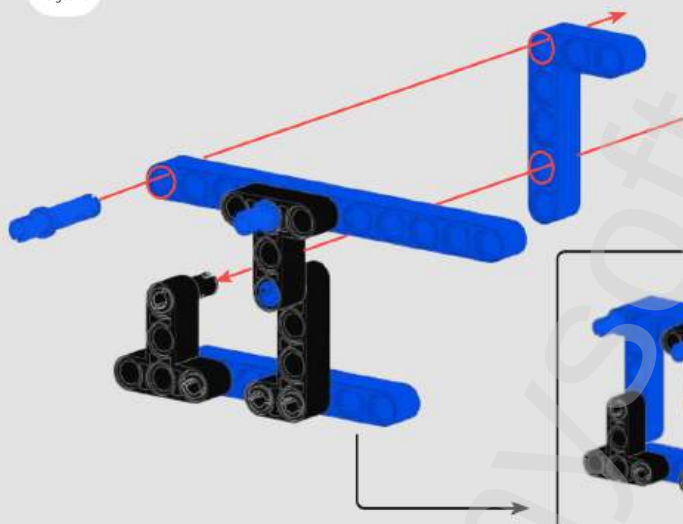


18 godina

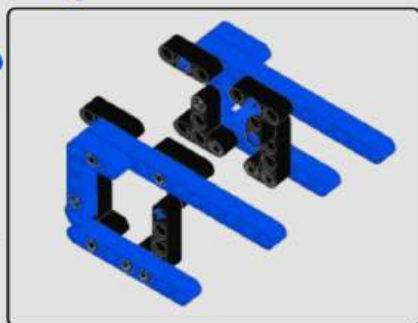
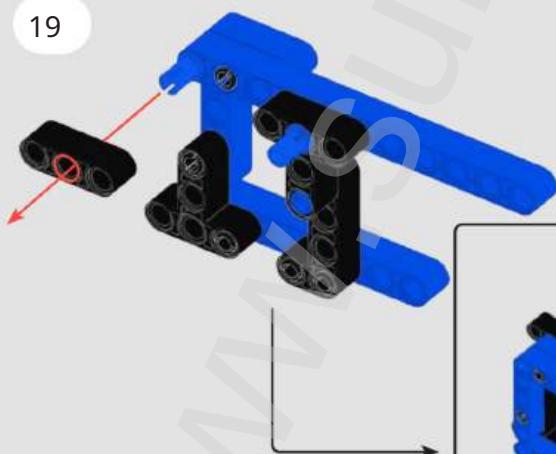
1:1



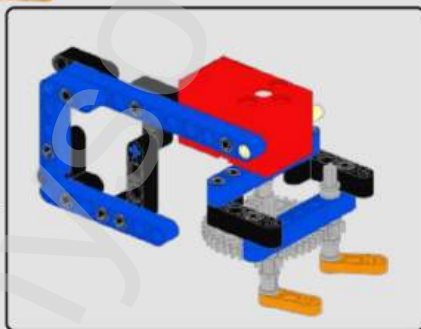
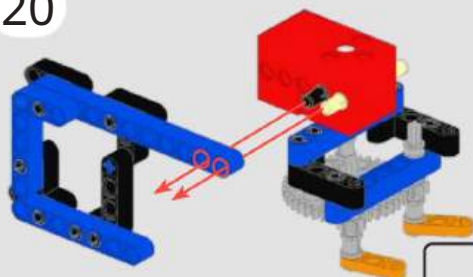
Duga plava igla



19



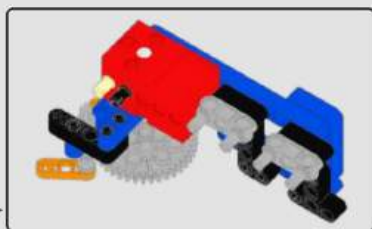
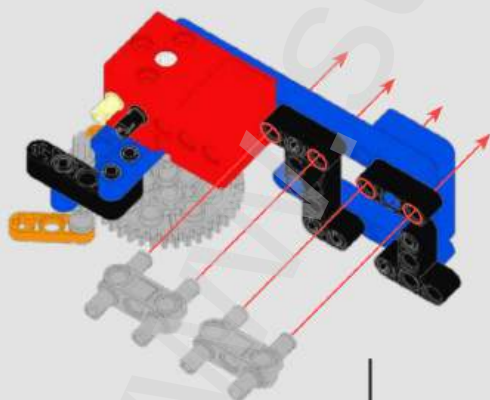
20



21



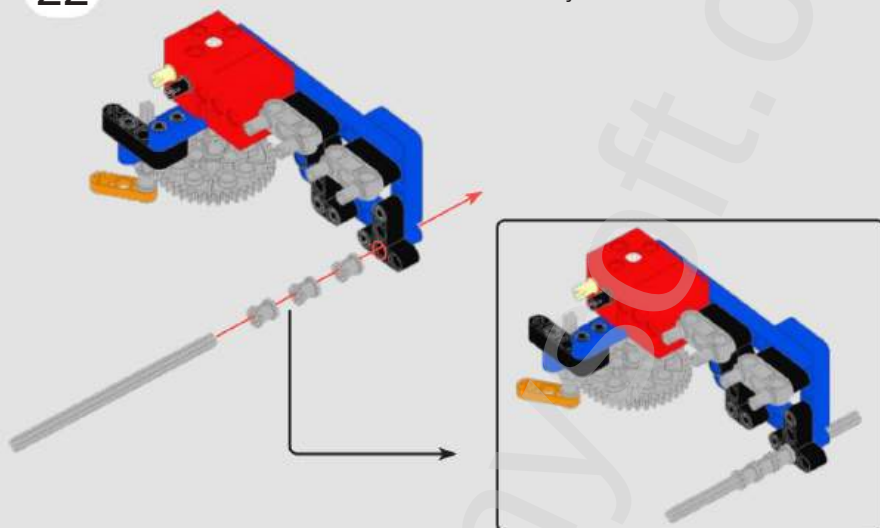
Pogled odozgo s desne strane stražnjeg dijela



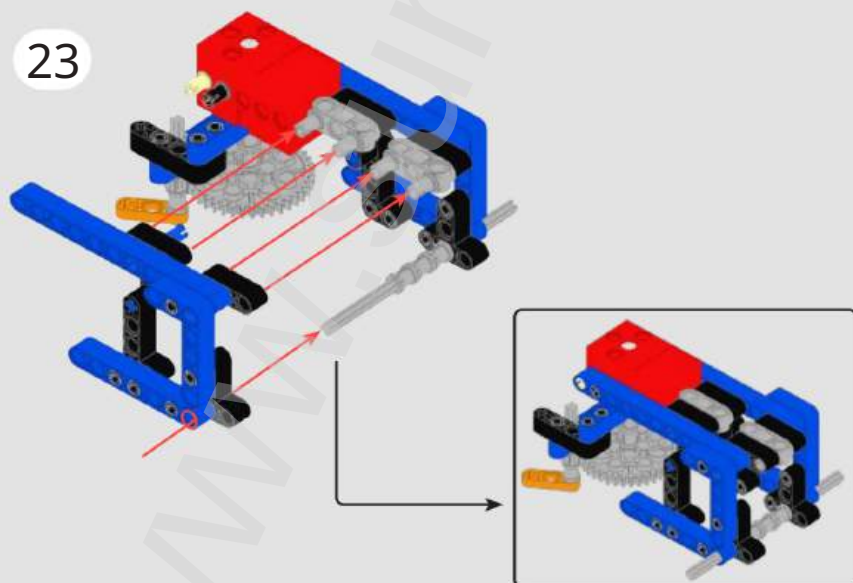
22

1:1

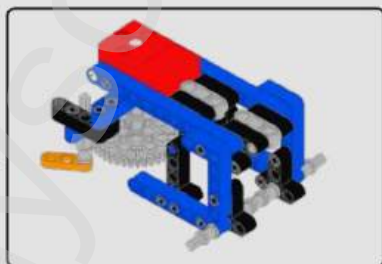
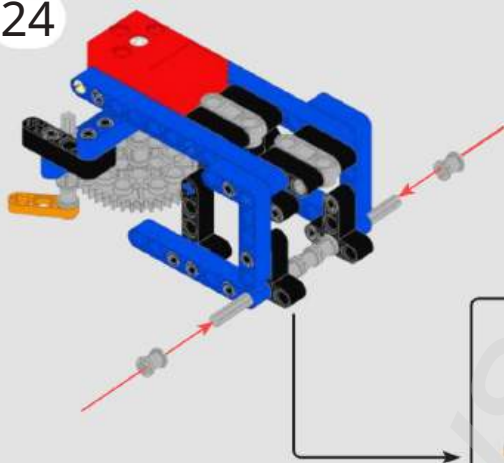
11H lijek



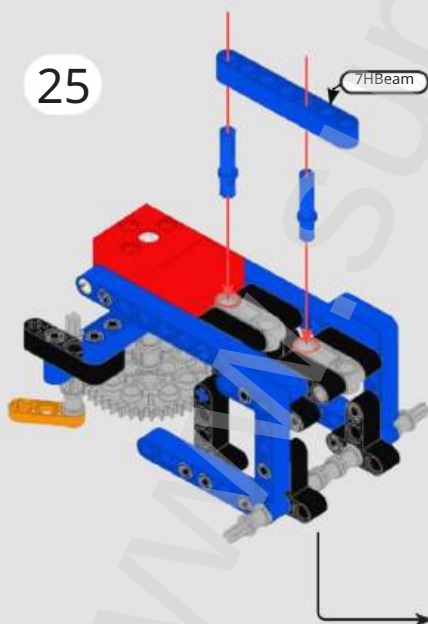
23



24



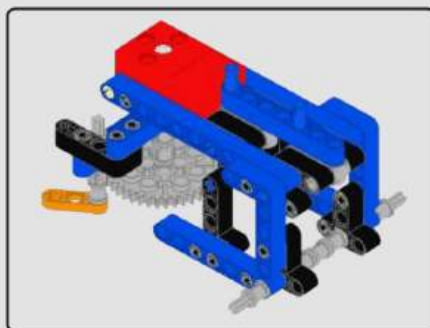
25



1:1



Duga plava igla

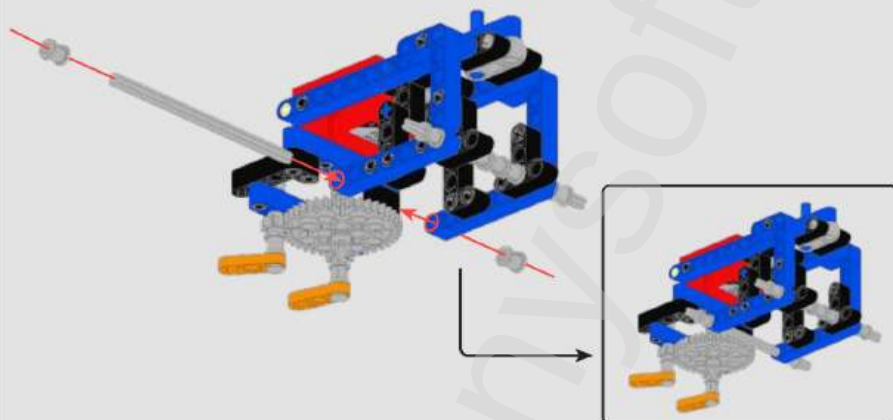


26

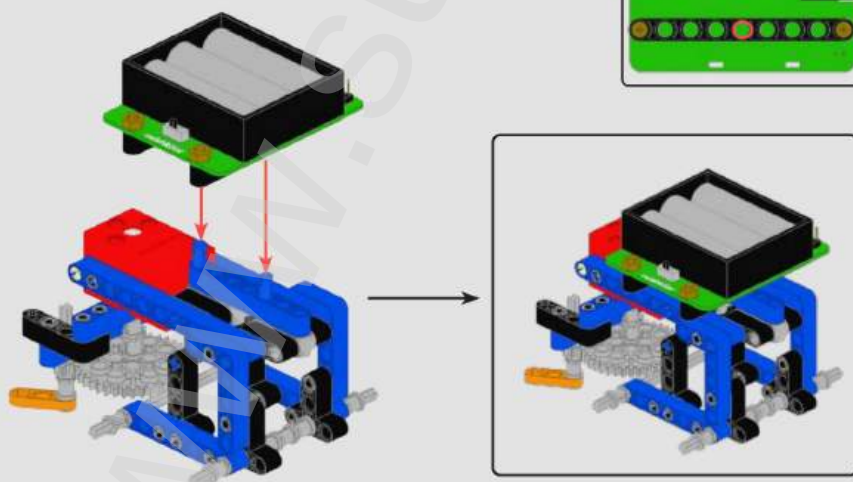
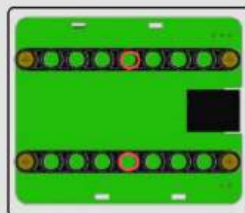
 Stražnji pogled dolje desno

1:1

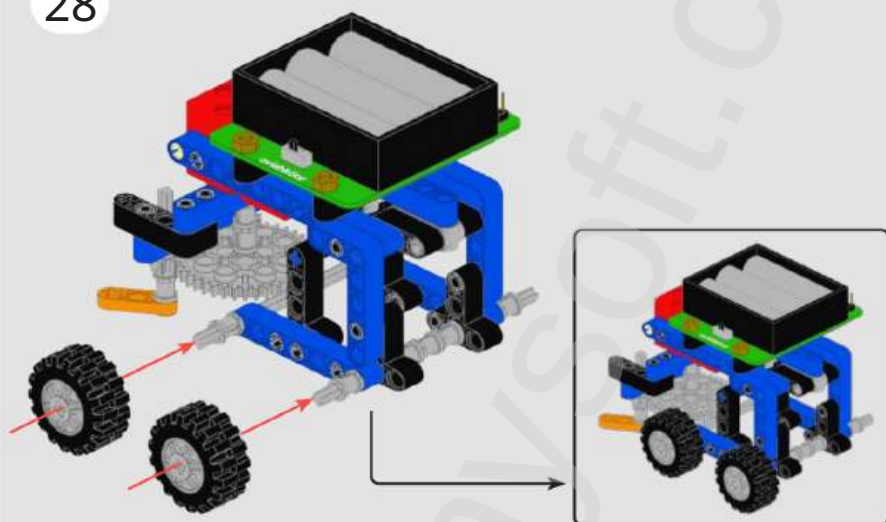
11H lijek



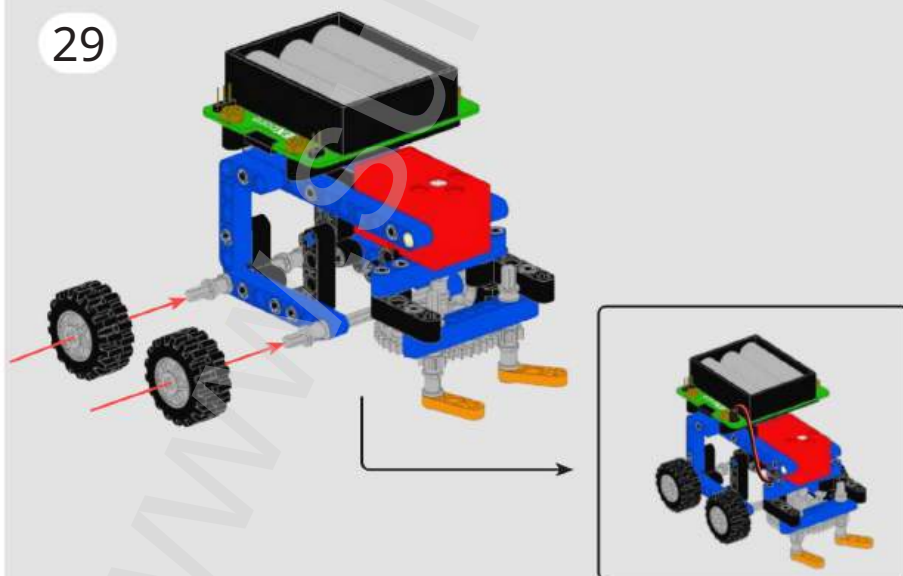
27

 Pogled odozgo s desne strane stražnjeg dijela


28



29



Čestitam na završetku ovog projekta!

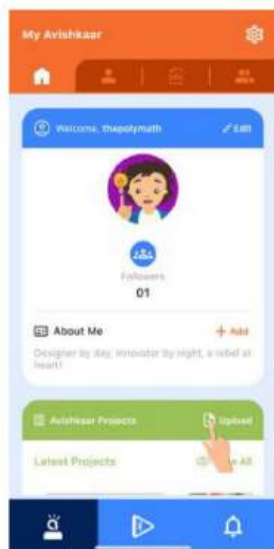
Uživajte igrati se s njim koristeći mobilna aplikacija avishkaar?
Detaljne upute o preuzimanju aplikacije i upravljanju robotom putem nje potražite na stranici 8.



Podijelite svoju kreaciju sa svijetom i osvojite značku 2. razine "Zagrebi površinu"

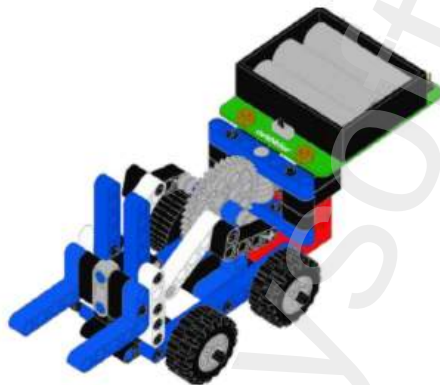
Prenesite fotografije ili videozapise svog projekta koristeći odjeljak za projekte u aplikaciji Avishkaar i osvojite značku 2. razine 'Zagrebi površinu' .

Pogledajte sve svoje kolekcije značke u odjeljku postignuća vašeg profila na www.avishkaar.cc. Istražite sve ostale značke koje želite skupiti i osvojite ih sve!



Projekt 4: Viljuškar

Gradimo!



Stvari koje su nam potrebne



11 sati
Greda
x2



7 sati
Greda
x4



5 sati
Greda
x4



3H
Greda
7 puta



7 sati
L-greda
x4



1Cx4H
L-greda
x6



5HT
Greda
x2



Frontalni
zupčanik
40T x 1



Puž
mjenjač - veliki
x 1



3Hx4Pin
Konekor
x2



Punjenje
velike osovine
x4



Punjenje
osovine -
male
x4



5H pokriveno
korekcija
1x



7 sati
Pravni lijek
1x



10 sati
Pravni lijek
x2



Kratka
žuta igla x
2



Srednje
crne pin-
size x 22



Srednji
Prikvači
siva x
2



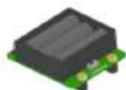
Dugo
plavo-pin x 11



Središnji
osovinski klin - plavi
x 2



Kotač
x 4



Avishkaar
MEXCore
1x



MEX veliki
DC
motor
1x

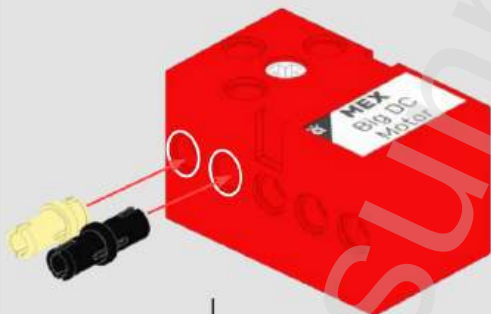
Korak

1

1:1



Kratka žuta igla

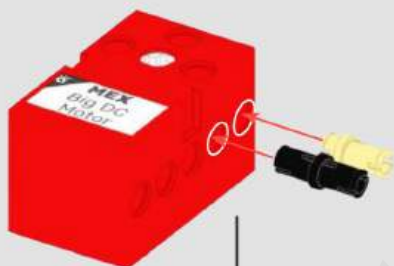


2

1:1

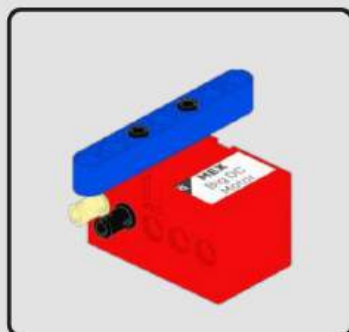


Kratka žuta igla

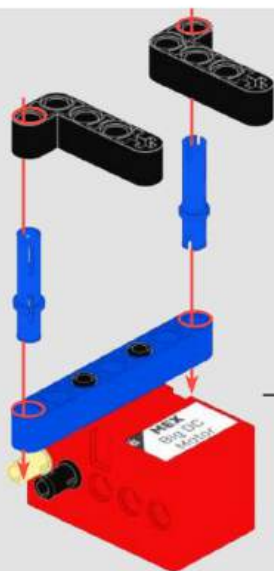


3

7HBeam



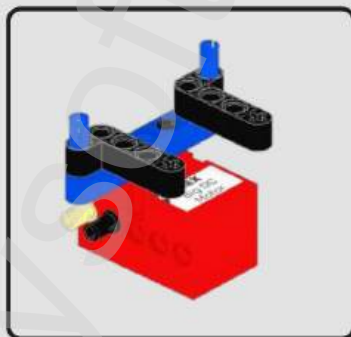
4



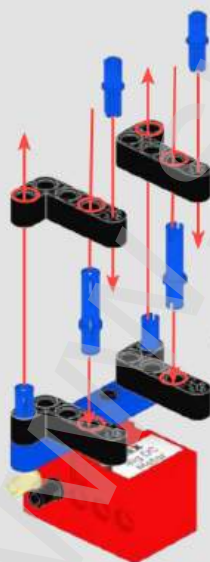
1:1



Duga plava igla



5



1:1

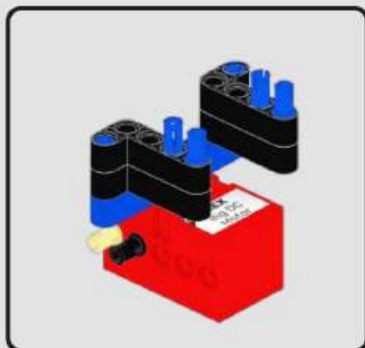


Duga plava igla

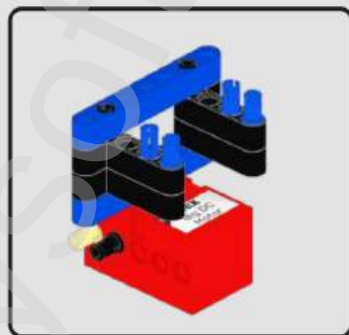
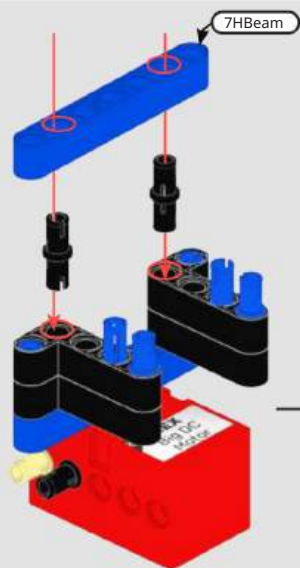
1:1



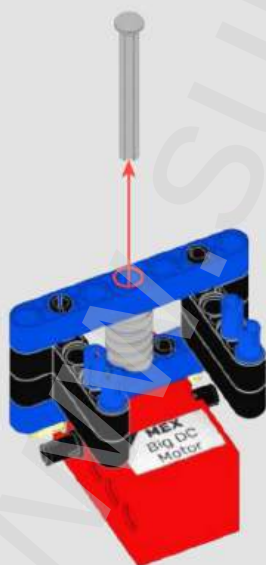
Središnji osovinski klin
Plava



6



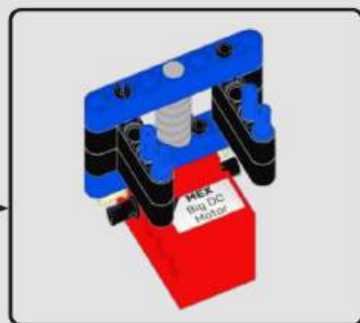
7



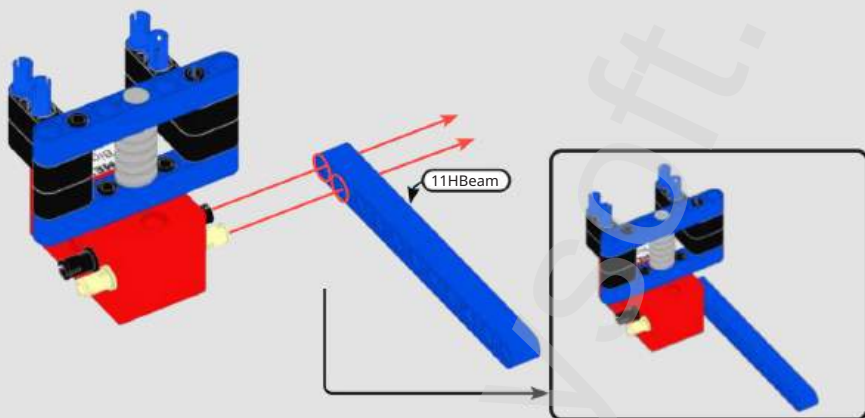
1:1



5H pokrivena osovina



8

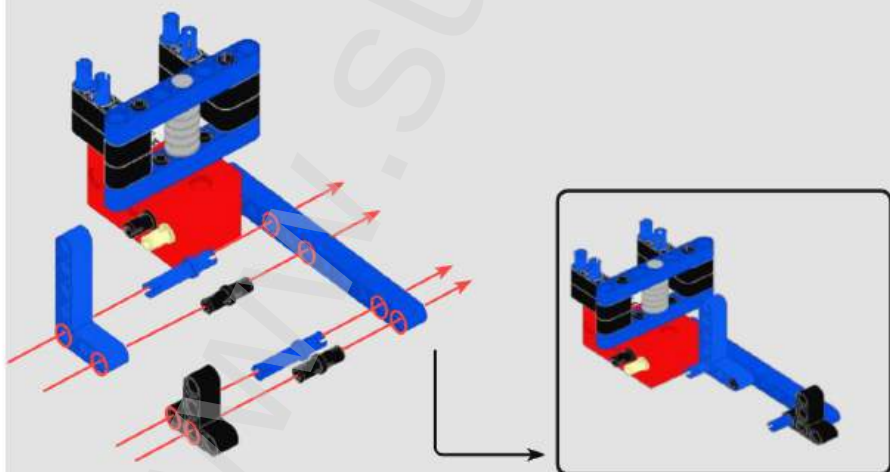


9

1:1



Duga plava igla

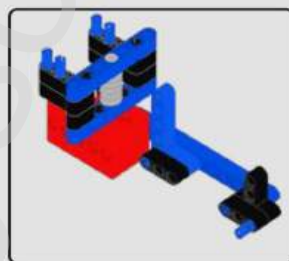
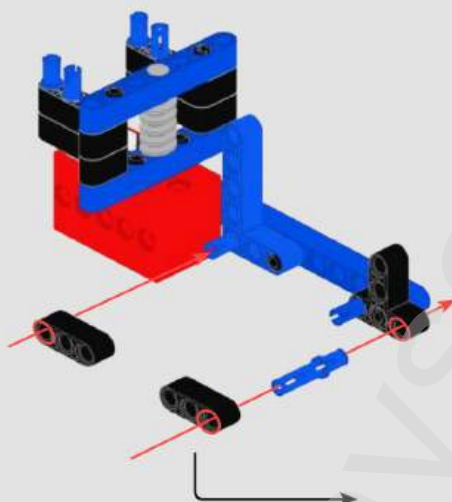


10

1:1



Duga plava igla

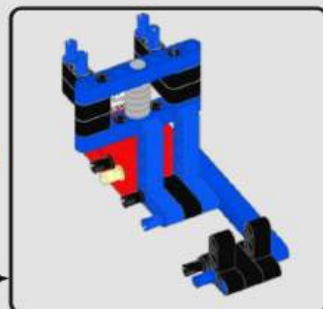
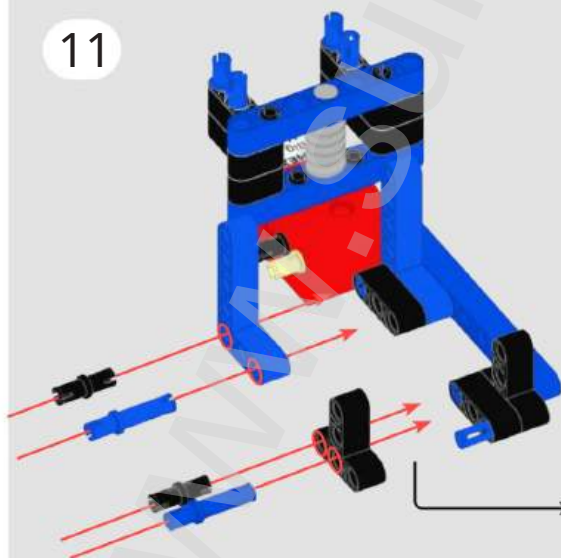


11

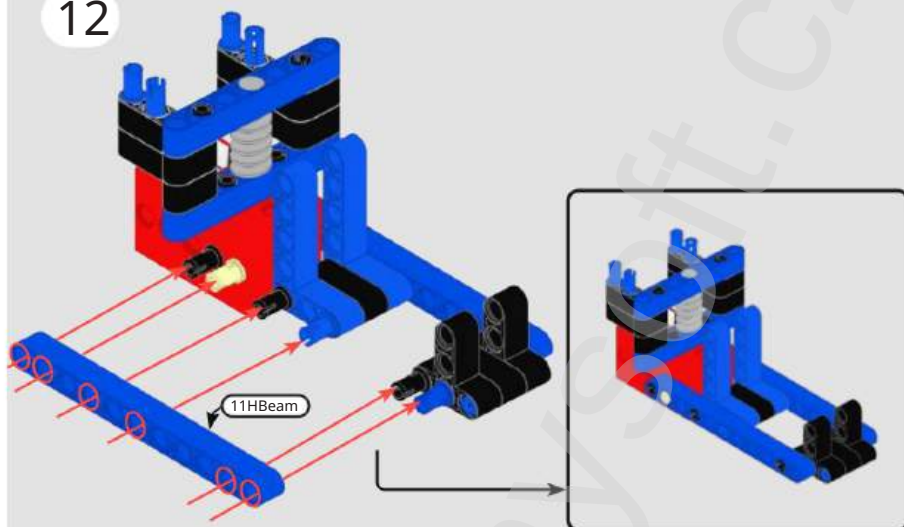
1:1



Duga plava igla



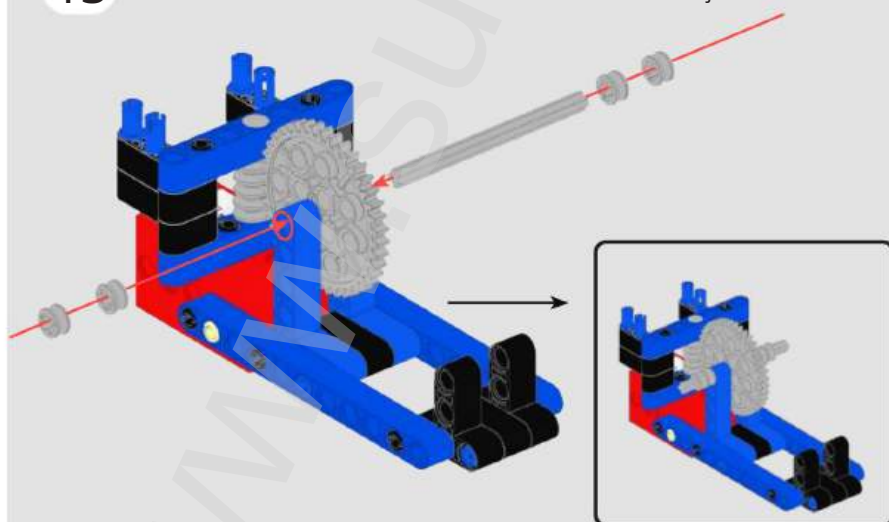
12



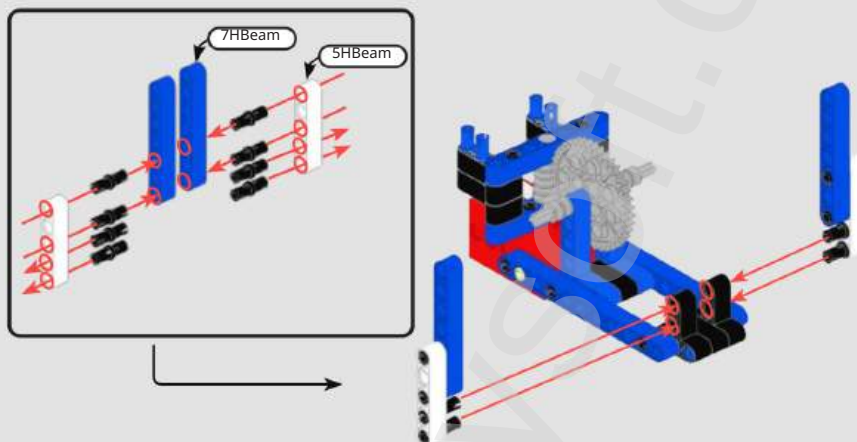
13

1:1

7H lijek



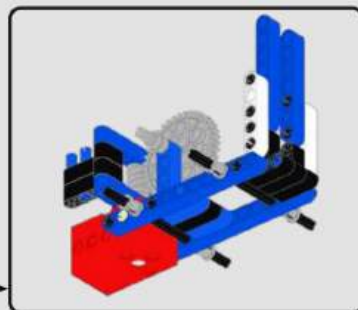
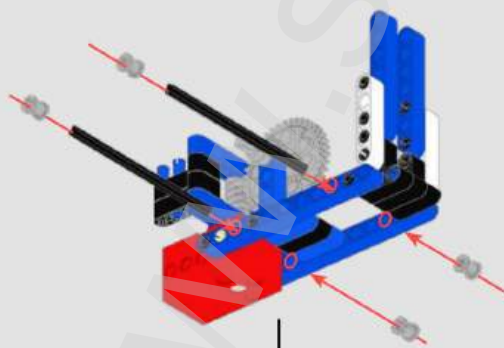
14



15 Prednji pogled dolje lijevo

1:1

10H lijevak

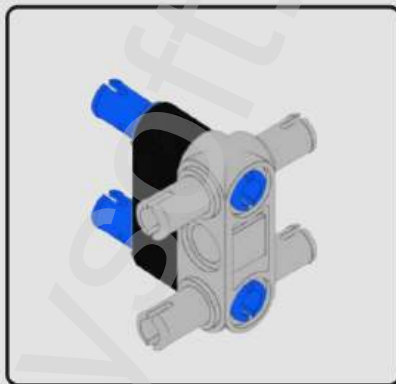
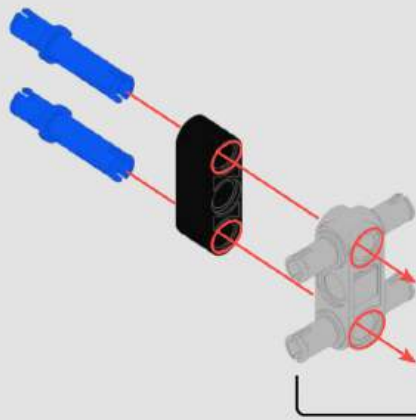


16

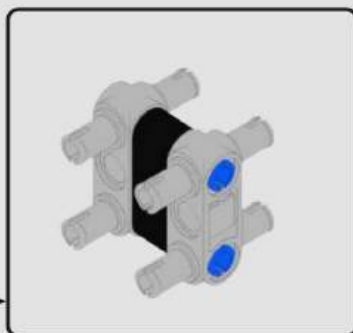
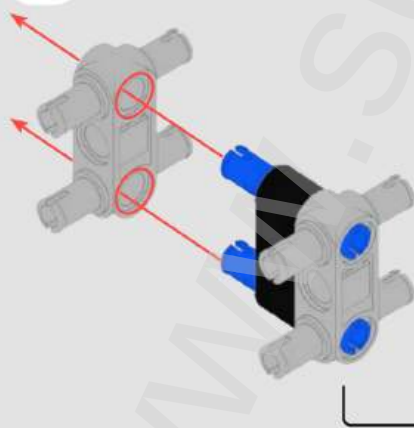
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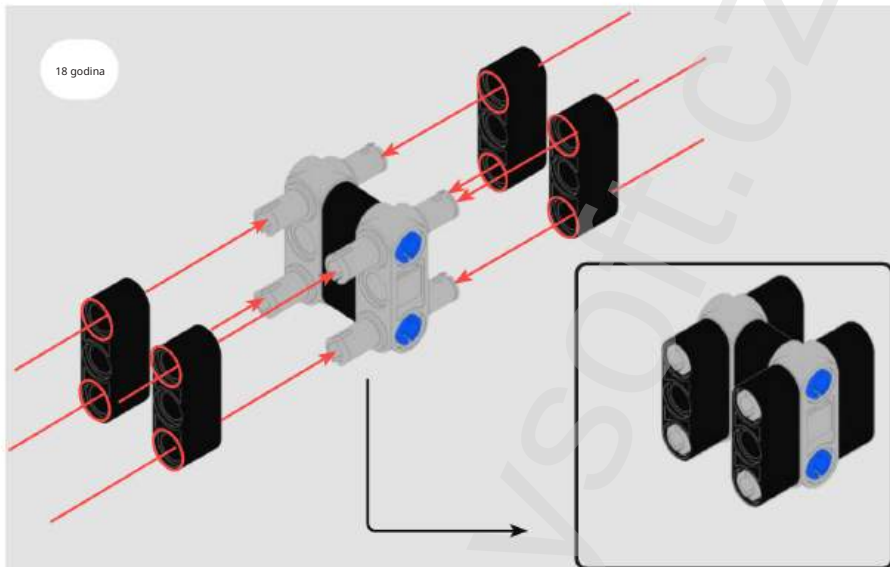
Duga plava igla



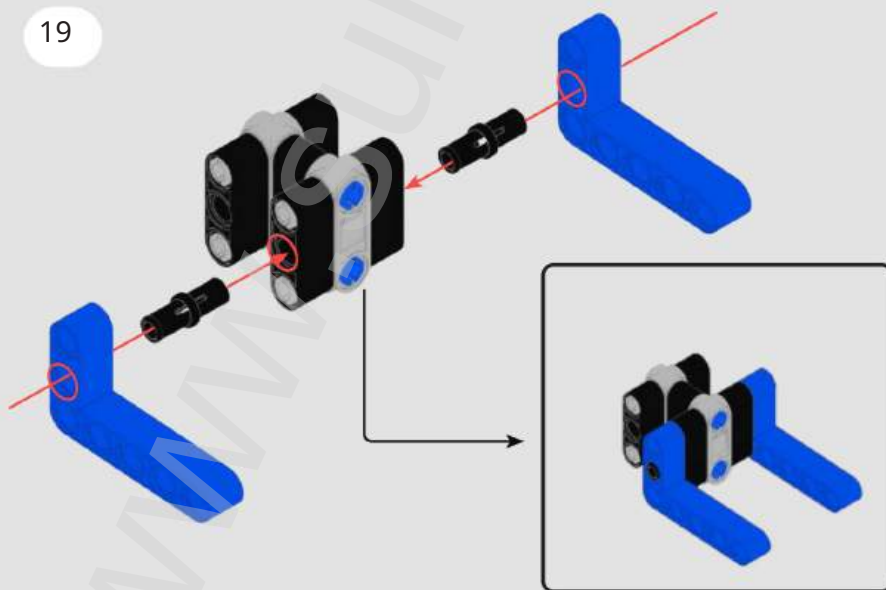
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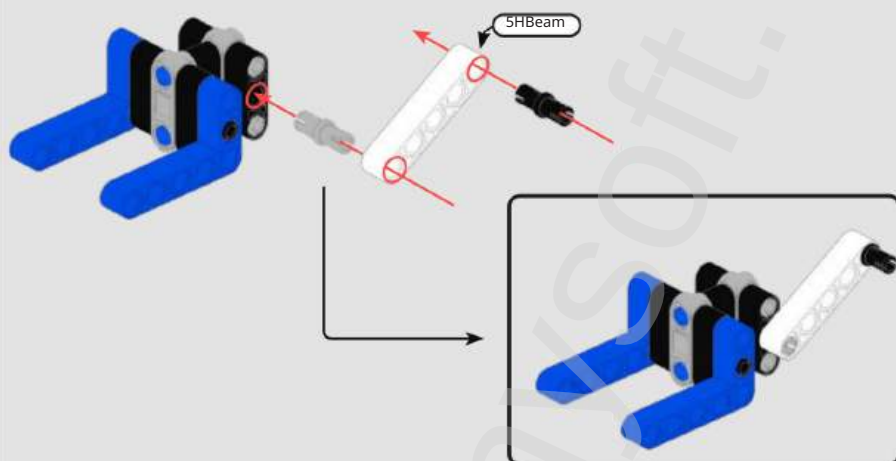
18 godina



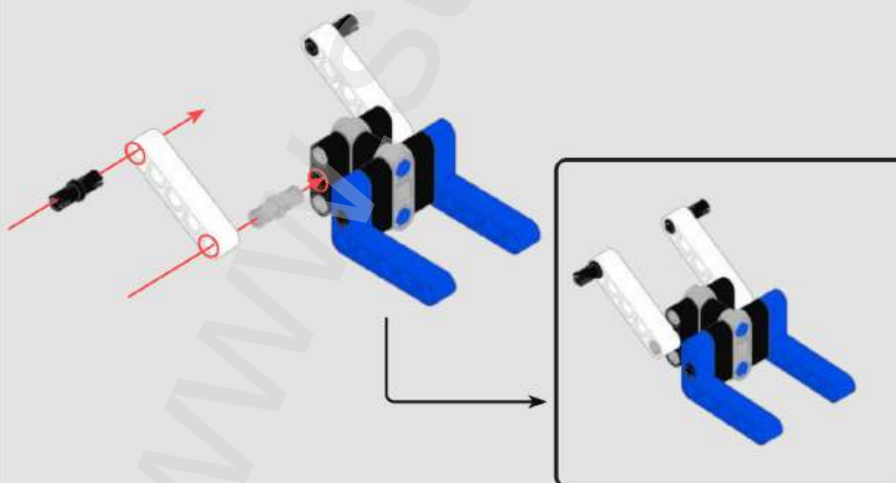
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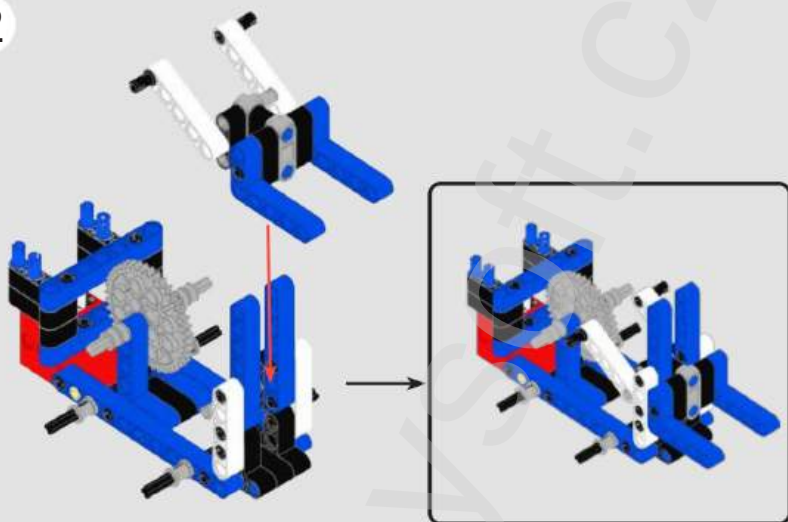
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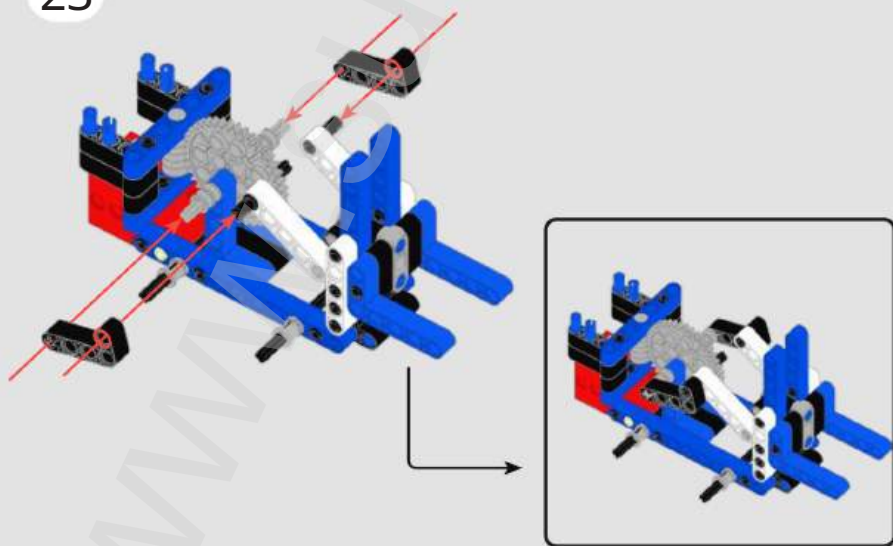
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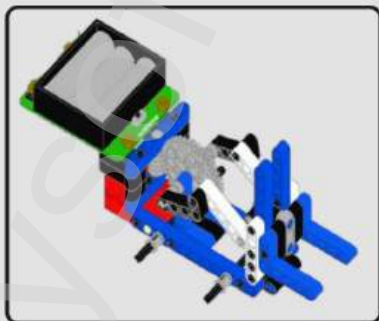
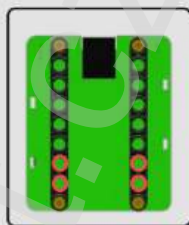
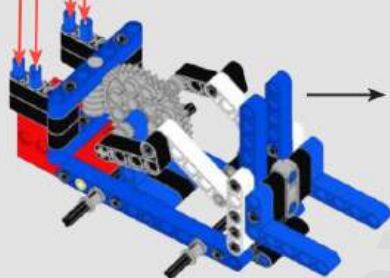
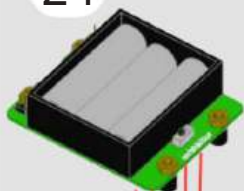
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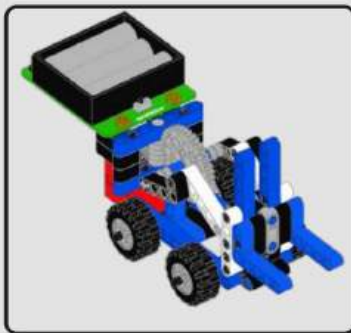
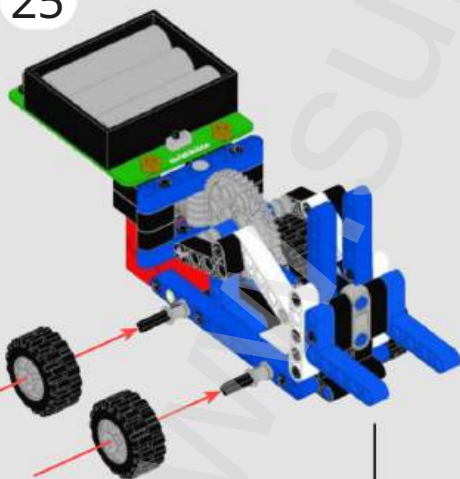
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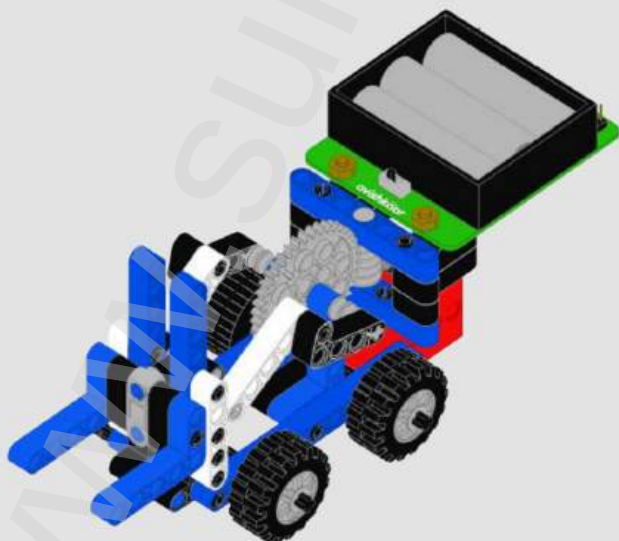
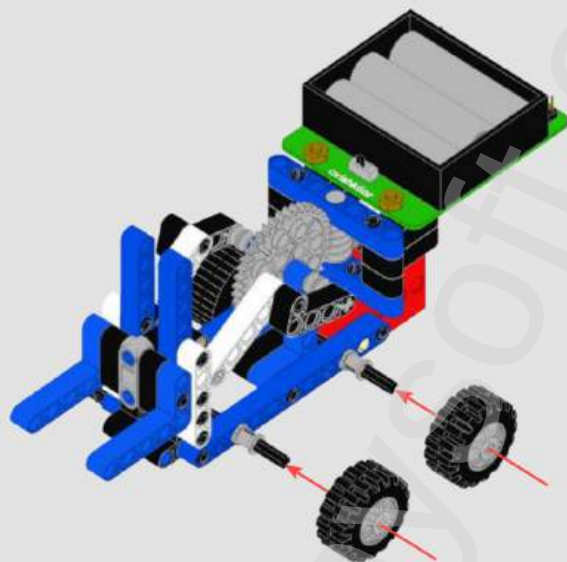
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25



26



Čestitam na završetku ovog projekta!

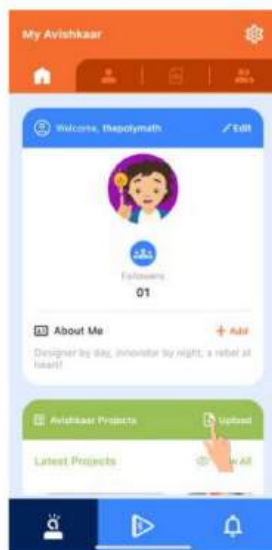
Uživajte igrati se s njim koristeći mobilna aplikacija avishkaar?
Detaljne upute o preuzimanju aplikacije i upravljanju robotom putem nje potražite na stranici 8.



Podijelite svoju kreaciju sa svijetom i osvojite značku 'Zagrebi površinu' 3. razine

Prenesite fotografije ili videozapise svog projekta pomoću odjeljka za projekte u aplikaciji Avishkaar kako biste zaradili značku "Zagrebi površinu" 3. razine

Pogledajte sve svoje kolekcije značke u odjeljku postignuća vašeg profila na www.avishkaar.cc. Istražite sve ostale značke koje želite skupiti i osvojite ih sve!



Projekt 5: Dobby Robot

Gradimo!



Stvari koje su nam potrebne



9H greda x 6



7 sati
L-greda x 4



1Cx1H
Greda x
2



Punilo
za osovine
- malo
x 2



Dugačka
plava igla x
10



5H greda x
4



1Cx4H
L-greda x 4



2Cx1
Tanka greda x 1



3H osovina x 2



Srednja igla
crna x
18



3H
Greda
x4



5HT
Greda
x2



3Hx4Pin
Konektor
x2



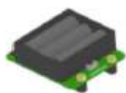
Kratak
Pink-žuta
1x



Središnji
osovinski klin - plavi
x 4



Srednje siva
igla x
4



Avishkaar
MEXCore
x 1



MEX veliki
DC
motor x 1

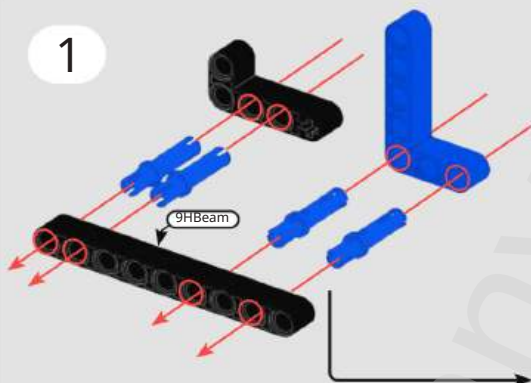


Duga
žuta igla x
2



3Cx2H
Tanki -D
x 2

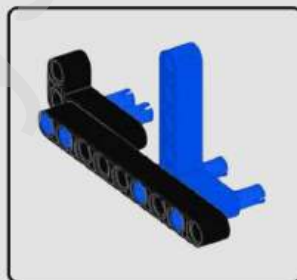
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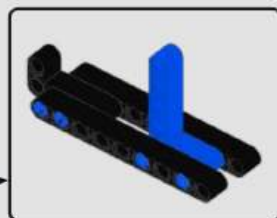
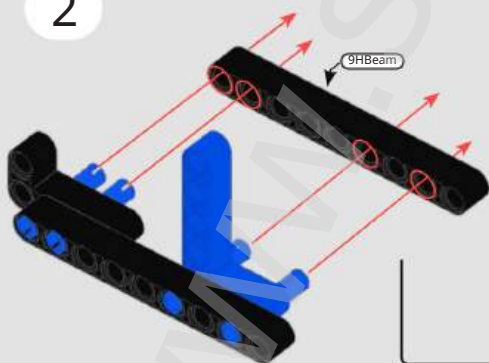
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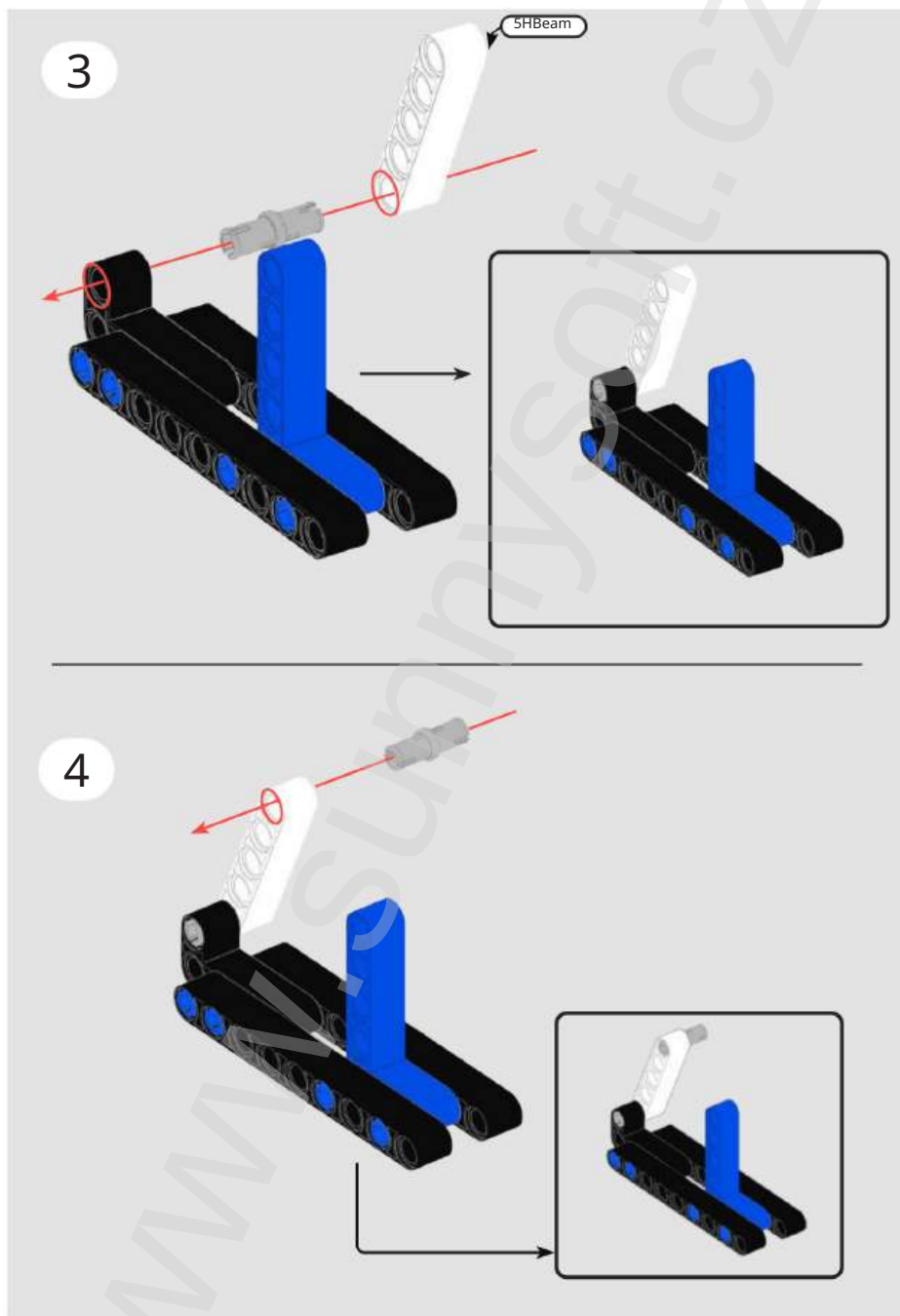


Longpin-plava

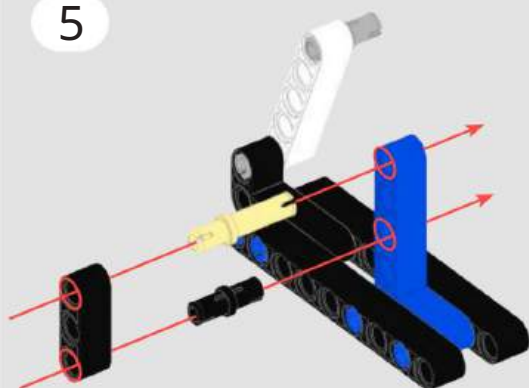


2





5



1:1

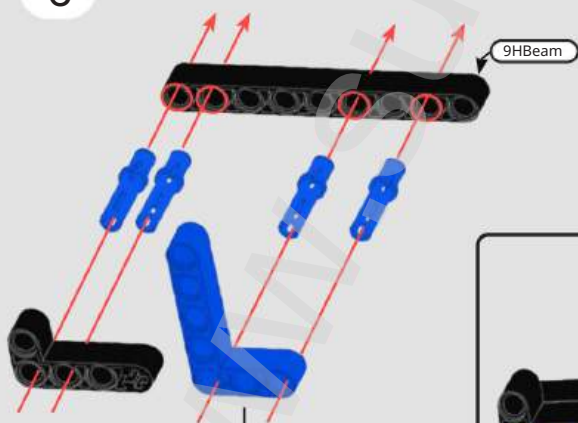


Duga, žuta



6

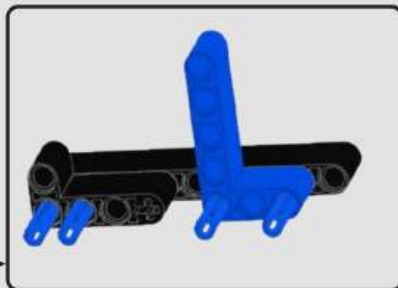
Npravimo stranu sa zrcalicom.



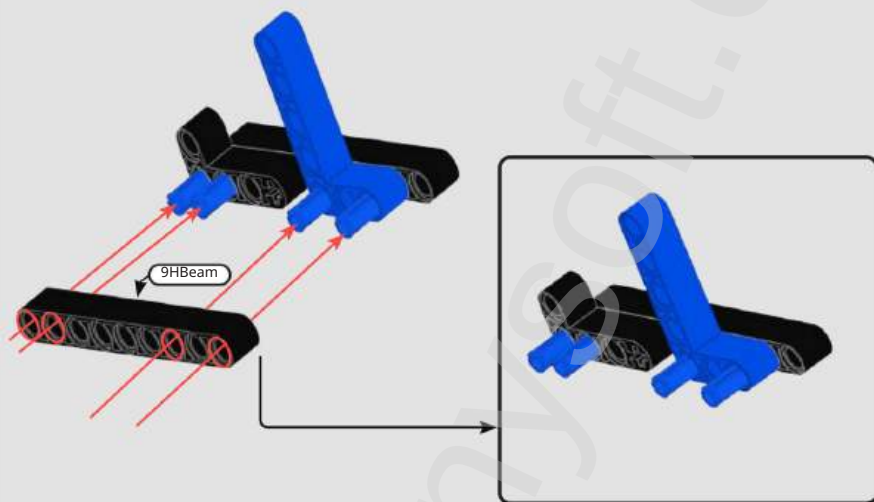
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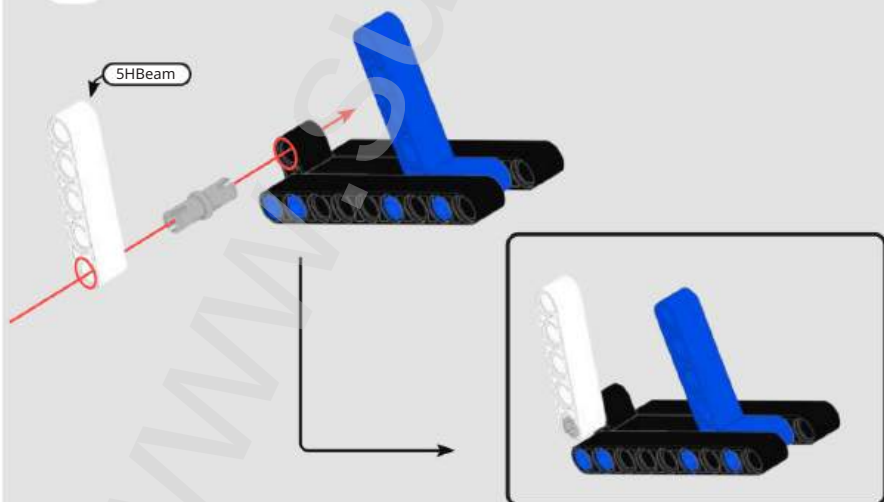
Duga plava igla



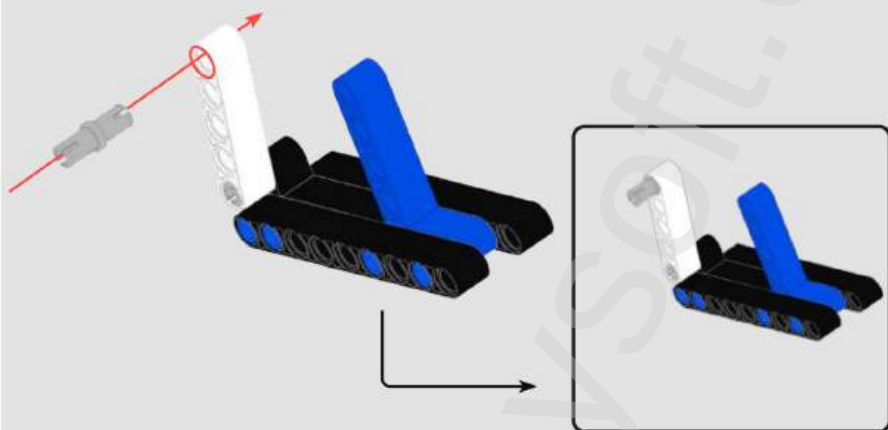
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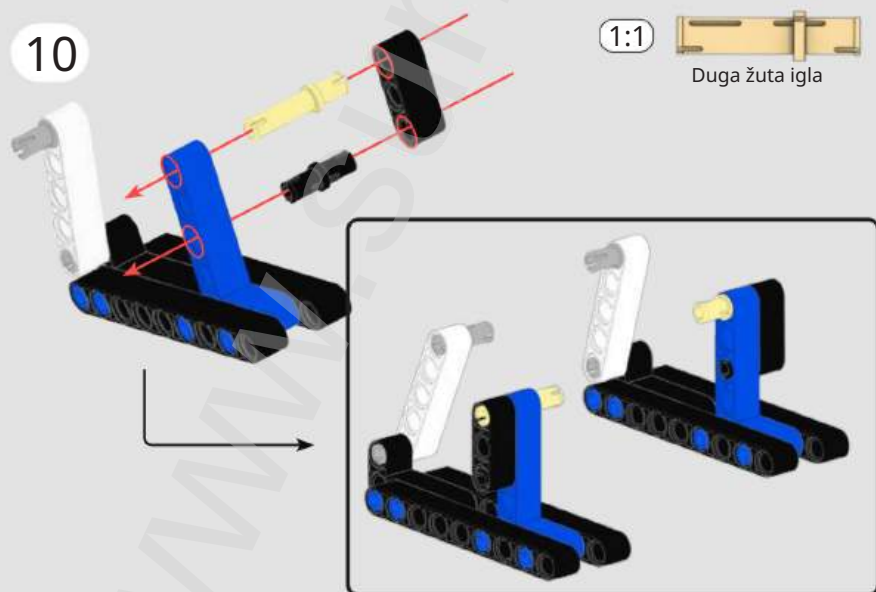
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9



10

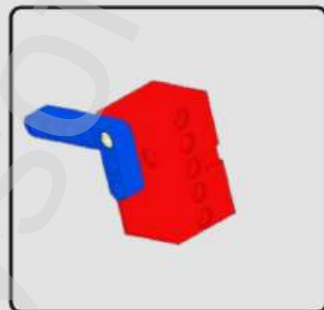
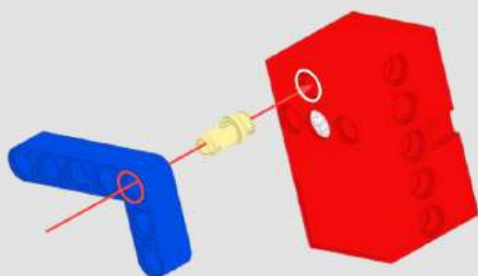


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1:1



Kratka žuta igla

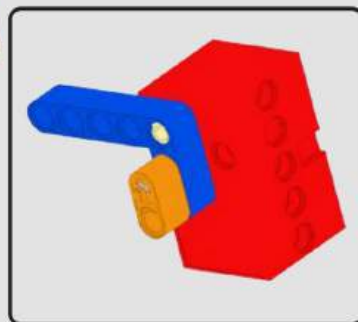
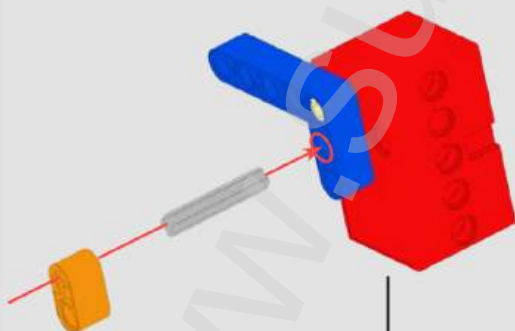


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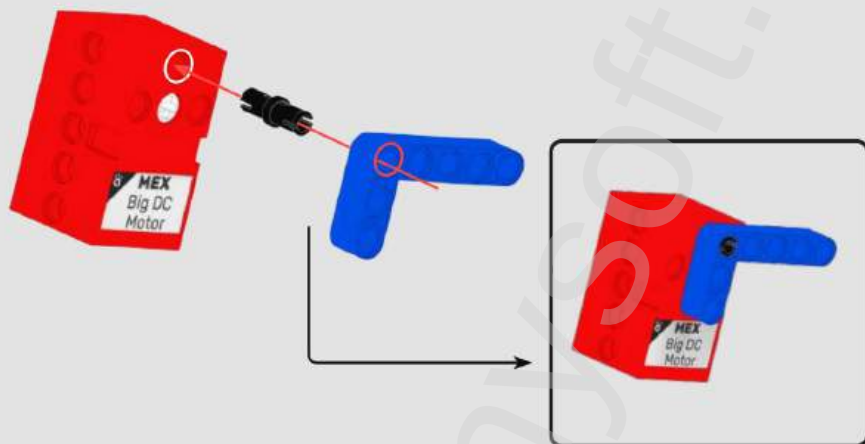
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3H lijek



13

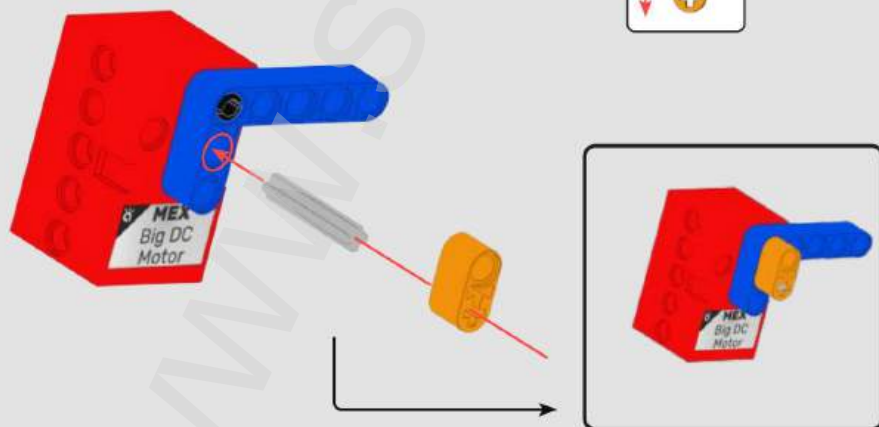


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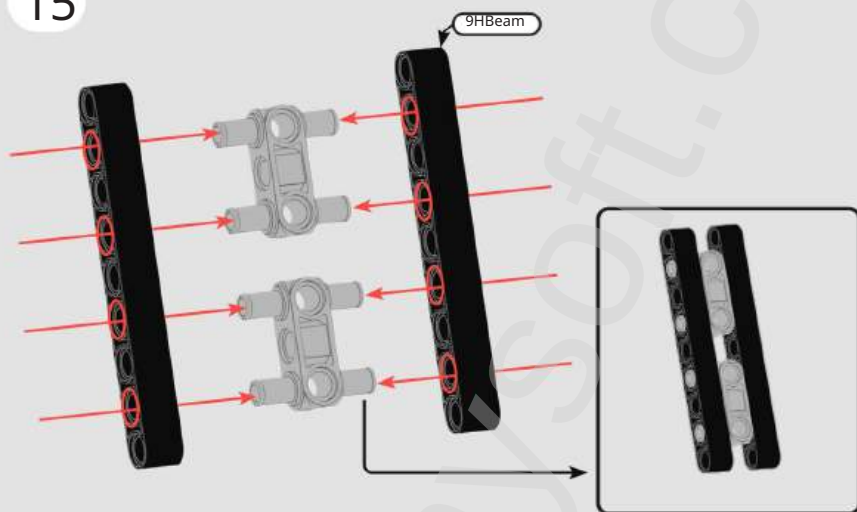
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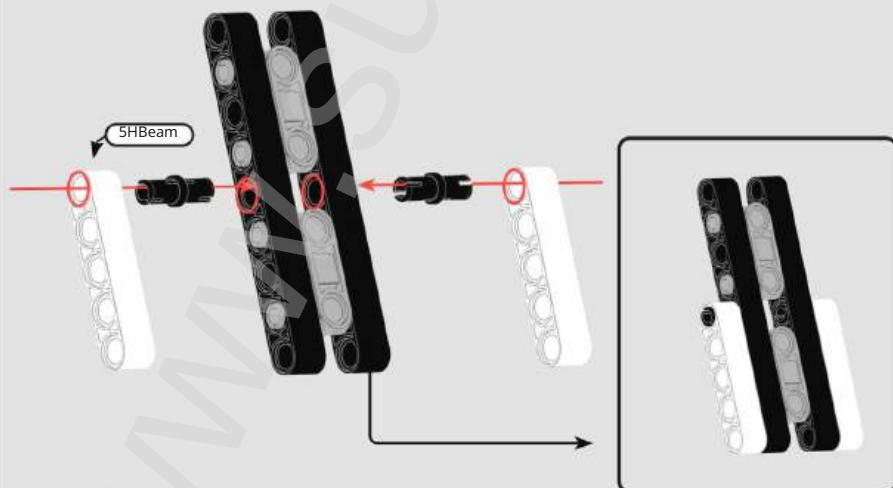
3H lijek



15



16

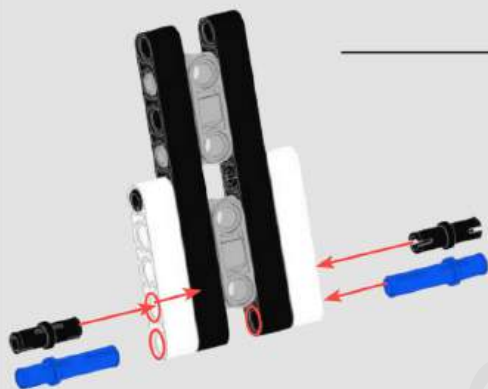


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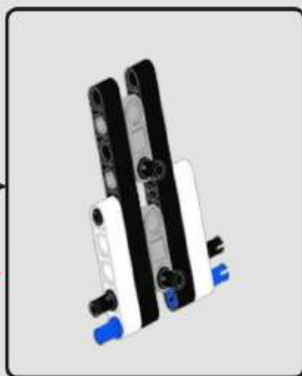
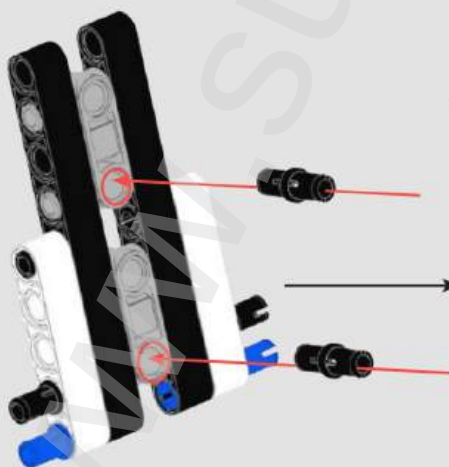
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Duga plava igla



18 godina

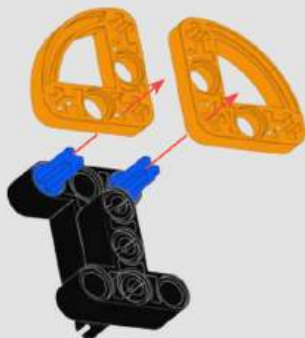
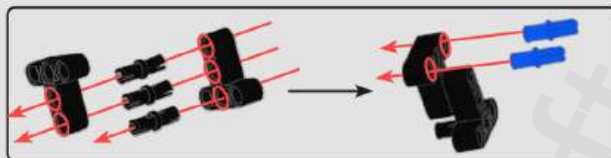


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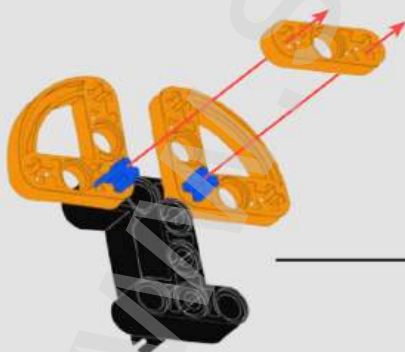
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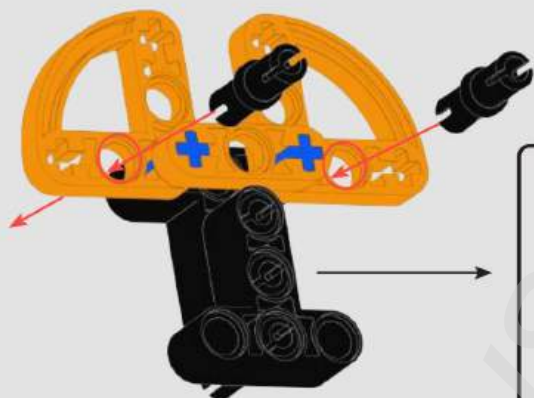
Plavi klin srednje osovine



20



22

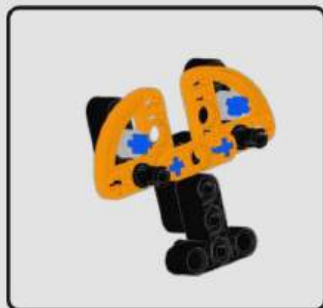
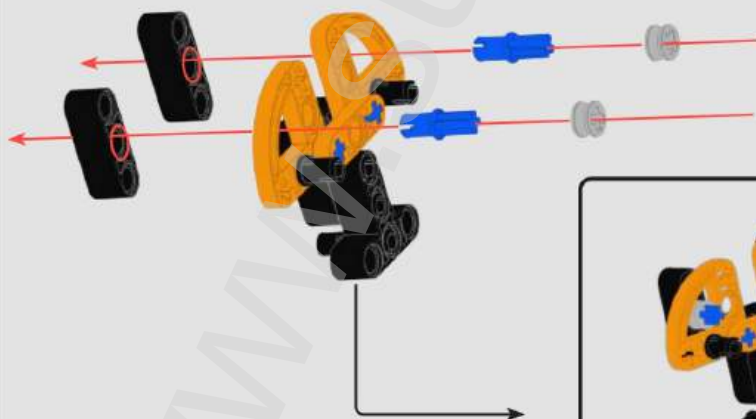


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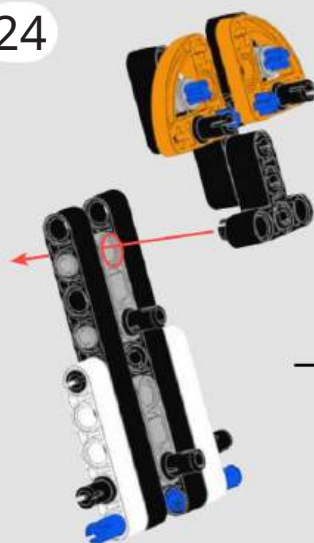
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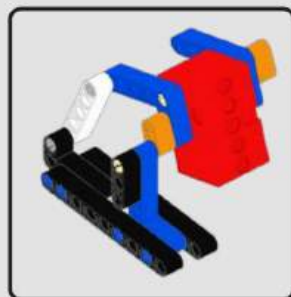
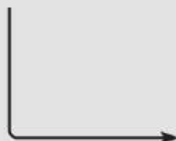
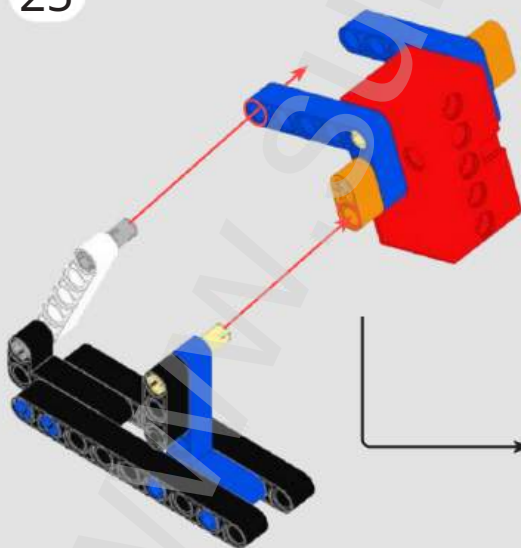
Plavi klin srednje osovine



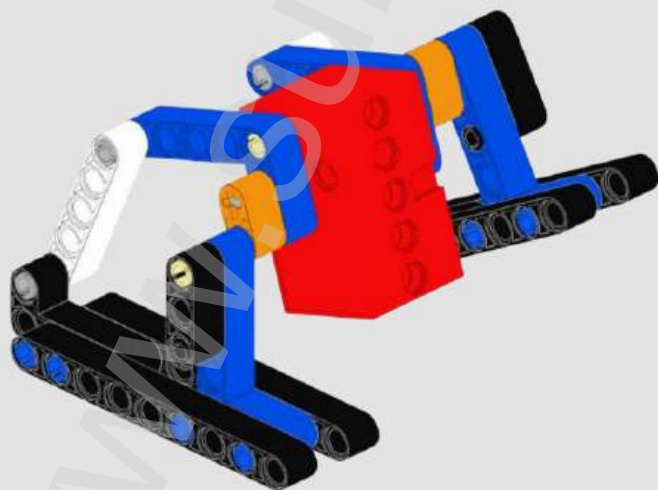
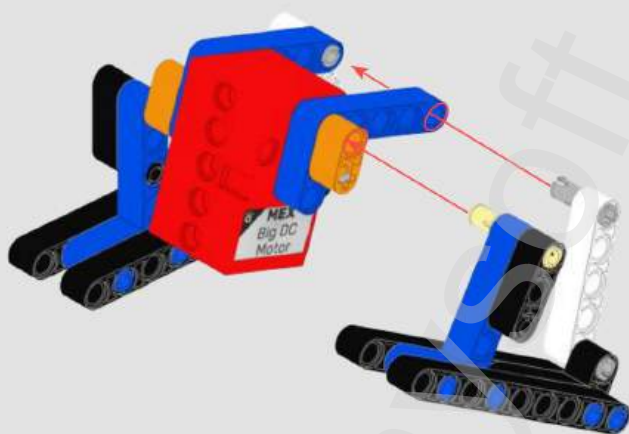
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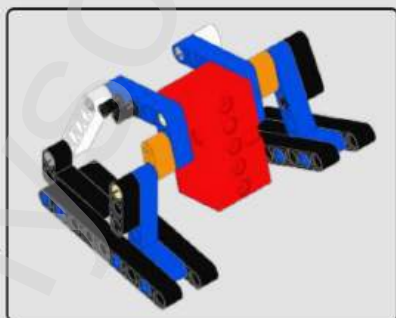
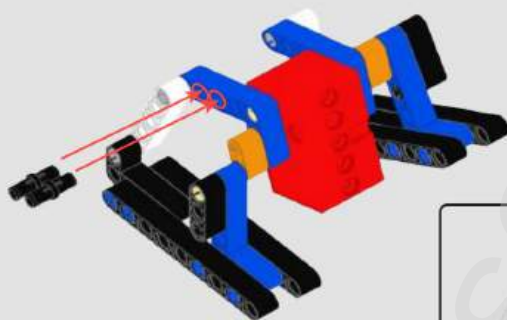
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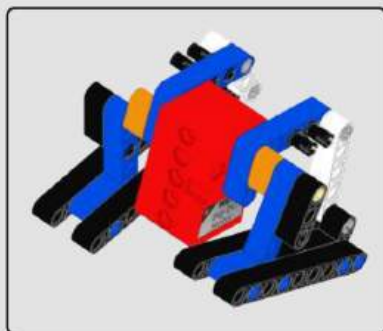
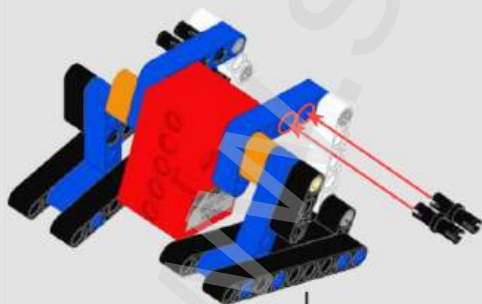
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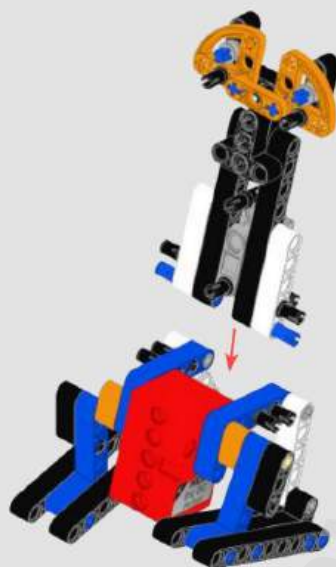
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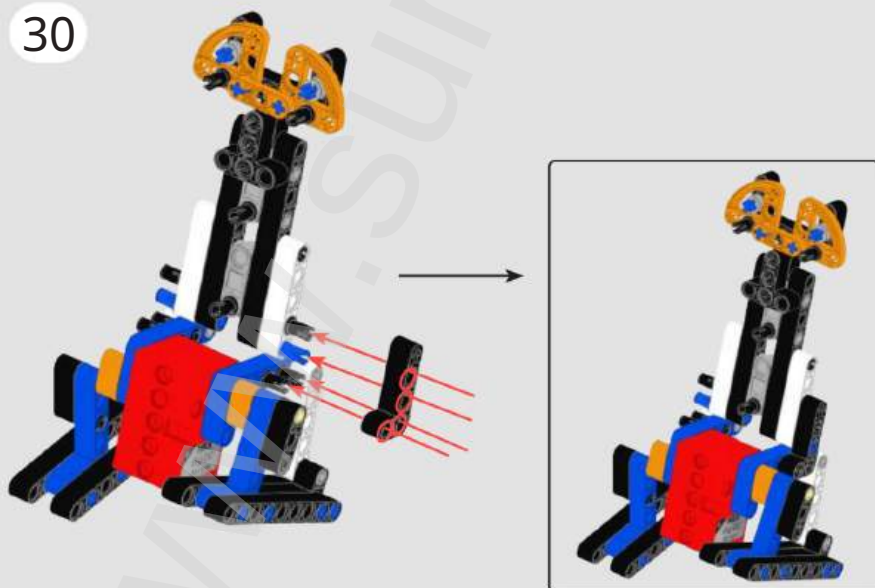
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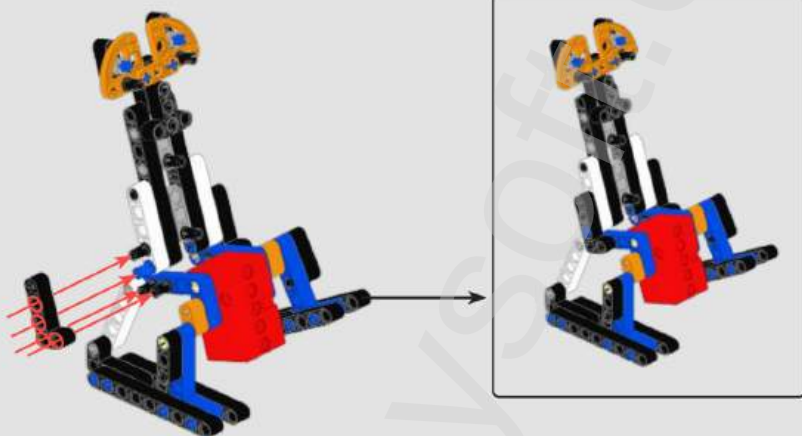
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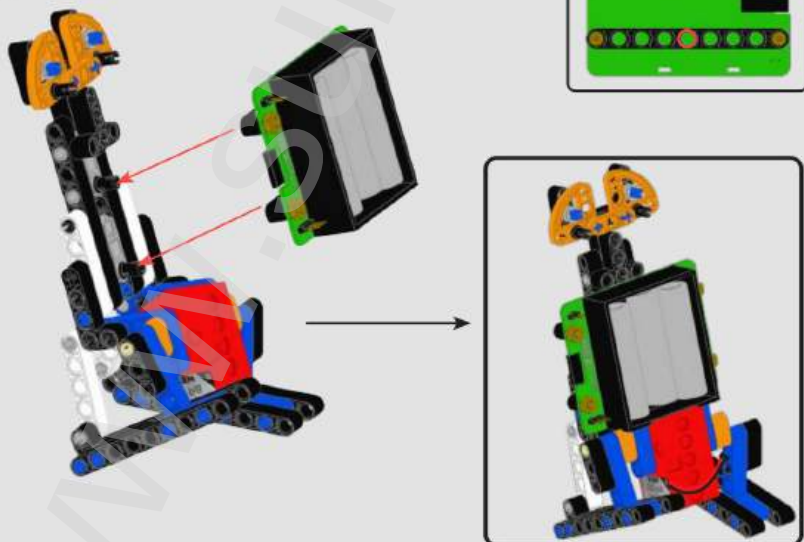
30



31



32



Čestitam na završetku ovog projekta!

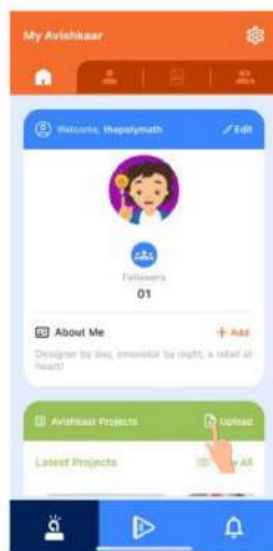
Uživajte igrati se s njim koristeći mobilna aplikacija avishkaar?
Detaljne upute o preuzimanju aplikacije i upravljanju robotom putem nje potražite na stranici 8.



Podijelite svoju kreaciju sa svijetom i osvojite "Zagrebi površinu" Razina 3

Prenesite fotografije ili videozapise svog projekta koristeći odjeljak za projekte u aplikaciji Avishkaar i osvojite značku razine 'Zagrebi površinu' 3.

Pogledajte sve svoje kolekcije značke u odjeljku postignuća vašeg profila na www.avishkaar.cc. Istražite sve ostale značke koje želite skupiti i osvojite ih sve!



Suočavate li se s problemom?

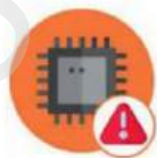
Naša tehnička podrška dostupna vam je u ovim terminima – od ponedjeljka do subote: od 9:00 do 20:00 sati, nedjeljom i trećom subotom: od 9:00 do 18:00 sati.



Problemi sa
softverom



Problemi s
upotrebljivošću



Problemi s
hardverom

Kontaktirajte podršku skeniranjem QR koda.



support@avishkaar

+91-8506931515

Dobavljač/Distributer

Sunnysoft d.o.o.
Kovanečka 2390/1a
190 00 Prag 9

Češka

www.sunnysoft.cz

avishkaar

+91-8506931515 support@avishkaar.cc www.avishkaar.cc



@AvishkaarEdu

avishkar

MEX

Začetni komplet za
robotiko

Uporabniški priročnik



A photograph of various LEGO Technic components and partially assembled robots on a light-colored wooden surface. In the foreground, there's a blue and black robot with large black wheels and a gear mechanism. To its left, another robot is visible with orange and blue parts. In the background, more components and a LEGO box are scattered. A large, semi-transparent blue circle is overlaid on the bottom left of the image, containing white text.

"Ne sanjam o uspehu,
delam zanj!"

Vsebina

| | |
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| Kar najbolj izkoristite svoj komplet | 04 |
| Prisega inovatorja | 06 |
| Raziščite svoj komplet | 07 |
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| Odpravljanje težav in pomoč | 104 |

Kar najbolje izkoristite svoj komplet

Inovacije



Prisegnite inovatorja

Dajte prisego inovatorja, omenjeno na strani 6, in razumite, kaj to pomeni. bodi inovator.



Naučite se uporabljati priročnik/videoposnetke

Sledite podrobnim navodilom v priročniku in se naučite sestavljati vznemirljive robote s pomočjo svojega kompleta.



Gradnja, kodiranje in nadzor

Ustvarite inovativne projekte z uporabo vašega kompleta in nadzor robotov z uporabo Aviskaar Remote in kodiranje z Avishkaar Maker Studio.

-----> Deli ----->

-----> Zmaga



Pridružite se

Pa dajmo

Avishkaar

Pridružite se naši FB skupnosti – povežite se z inovatorji in bodite pozorni na najnovejše posodobitve spletnih seminarjev.



Naloži projekte

Naloži projekte v

www.avishkaar.cc in jih delite z inovatorji po vsem svetu.



Mednarodno

Tekmovanja

Sodelujte v tedenskih, mesečnih in letnih tekmovanjih ter zmagajte po vsem svetu.



Prisega inovatorja

Spodaj dajte prisego inovatorja , s katero se boste zavezali k vseživljenjski predanosti inovacijam in reševanju problemov. Delite fotografijo v skupnosti Let's Avishkaar na Facebooku.

I (write your name)

*solemnly swear that, since I am
now on the path of innovation,*

*I will not give up until my
innovation, my project is ready.*

*I will hone my skills and tools
and use them well. Innovation
and I will be inseparable.*

*I will always share my
innovations with other
innovators and learn with them.*

Your Signature



Za raziskavo vašega
kompleta

Dobrodošli v Aviskaarju

Prenesite aplikacijo Aviskar

Prenesite aplikacijo Avishkaar s skeniranjem spodnjih QR kod:



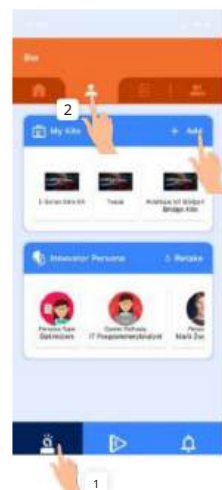
1 Ustvari račun

Odprite aplikacijo in sledite navodilom na zaslону, da ustvarite račun.

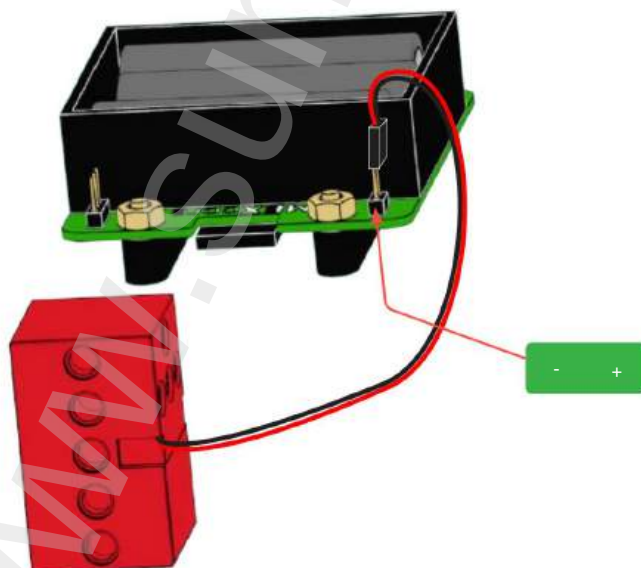
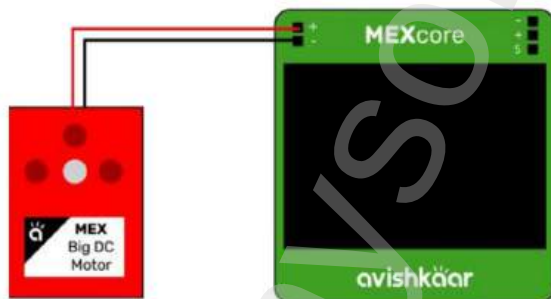


2 Registrirajte svoj komplet

V aplikaciji pojdite v razdelek »Profil« in v razdelku »Moji kompleti« kliknite »+ Dodaj več«, da registrirate svoj komplet. Ta korak je pomemben za kasnejši nadzor nad robotom.



Kako priključiti motor na MEXcore



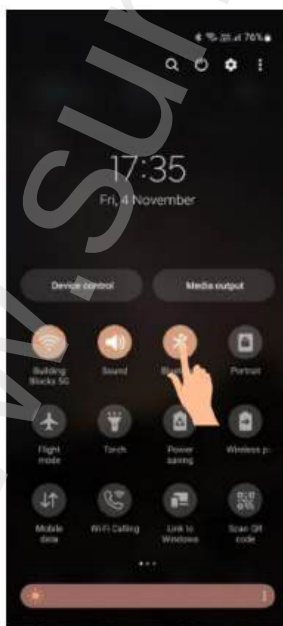
Nadzor aplikacij

- 1 Vstavite baterije v MEXcore in ga vklopite. Opazili boste , da lučka MEXcoreLED utripa. zelena.

Opomba – Uporabljajte samo alkalne baterije AA. (Druge baterije lahko poškodujejo jedro MEX.)



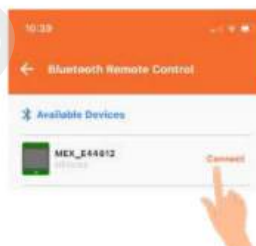
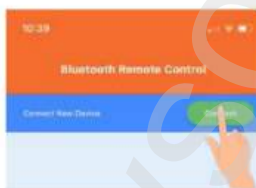
- 2 Vklpite Bluetooth na telefonu.



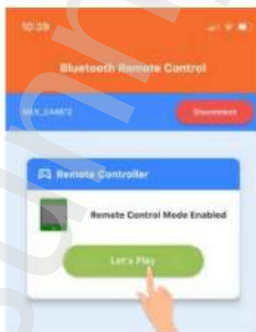
- 3 Odprite aplikacijo Avishkaar in v razdelku »Domov« kliknite gumb »Predvajaj« .



- 4 Kliknite »Poveži se«. Vaša aplikacija bi morala biti sposobna najti vaš MEXcore, če je vklopljen. Ko aplikacija prepozna vaš MEXcor, kliknite »Poveži se« .



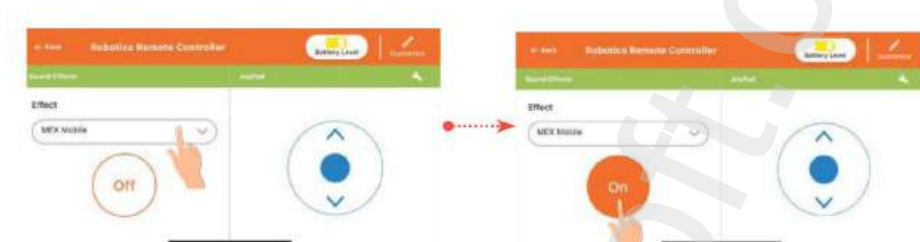
- 5 Kliknite na »Igrajmo« in v meniju za izbiro kompletov izberite »MEX Robotics Starter kit« .



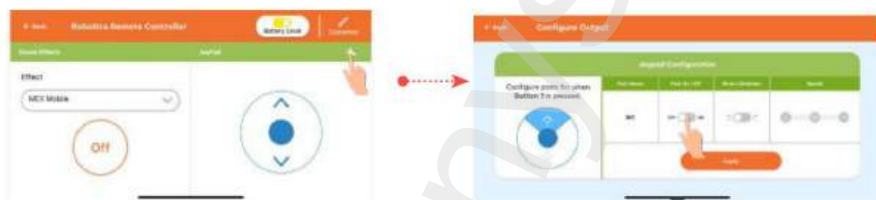
- 6 Odprl se bo zaslon daljinskega upravljalnika , kjer boste lahko upravljali LED motor in zvok vašega Tuskerja. Zabavajte se!



Konfiguriraj Zvočni učinki



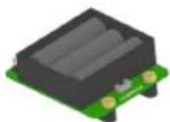
Krmilna palica



Preverjanje

oklepa

Polje 1 (Elektronika)



Avishkaar
MEXCore
1x



Velik enosmerni
motor MEX
1x

Okvir 2 (Gradbeni deli)

žarek



15H žarek
1x



11H žarek
x2



9H nosilec x 6



7H žarek

5-krat

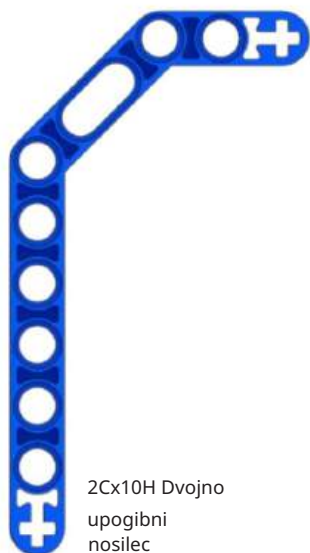


5H nosilec x 4

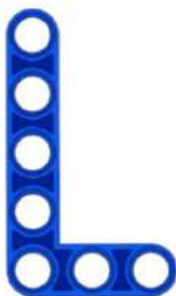


3H nosilec x
10

Opomba: "H"
pomeni luknje. Npr.
Nosilec 15H pomeni
nosilec s 15 luknjami.



2Cx10H Dvojno
upogibni
nosilec
x 2



7H
L-nosilec
x 4



1Cx4H
L-nosilec
x 6



5H
T-nosilec
x 4



2Cx1H
Tanki nosilec
x 2



1Cx1H nosilec
x 2



3Cx2H Thin-D x 2



3Cx4H Thin-D x 2

PIN-ovi



Dolga
zatič - modra
x 12



Dolga rumena
x2



Srednje črne barve x 26



Srednji zatič - črn x 4



Sredinski
zatič osi - moder
x 4

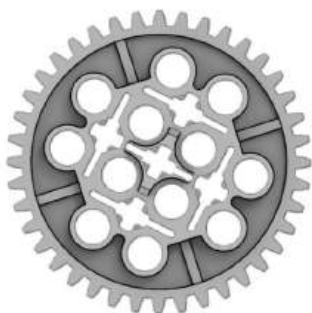


Kratka rumena zatič
x 2

Opomba: 'C' pomeni 'križ'.

Ņpr. "1CX4HL-nosilec ima en križ in štiri luknje."

PRENOS



Zobnik-40T x 1



Zobnik-8T
x 2



Polžasti
menjalnik - velik
1x

PRIKLJUČEK



3Hx4 zatič
Priključek x
2



Polnilo osi - veliko
x 14



Polnilo osi - majhno
x 6

KOLESA



kolo
x 4

11. 10. 9. 8. 7. 6. 5. 4. 3. 2. 1.
Otvoritev Otvoritev Otvoritev Otvoritev Otvoritev Otvoritev Otvoritev Otvoritev Otvoritev Otvoritev Otvoritev



» Žarek

Rešitev



-



žr



6r



6r



6r



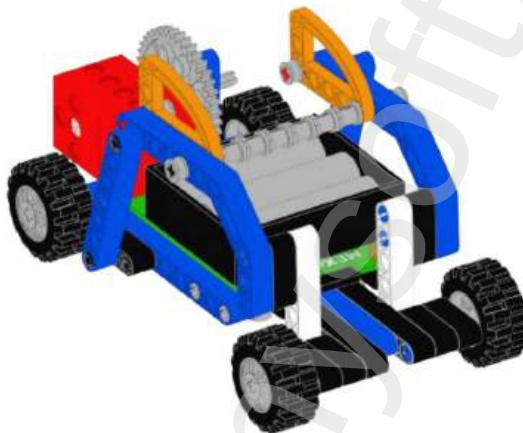
2H

Opomba: "H" v imenu osi pomeni nosilec, njegova višina je npr. enaka - 5H. Os je enaka višini nosilca 5H.

pravi

Projekt: MEX mobile

Gradimo!



Stvari, ki jih potrebujemo



11H
žarek
x2



7H
žarek
x3



9H
žarek
x2



5H žarek
x2



7H
L-nosilec
x2



3H
žarek
10-krat



2Cx10H
Dvojno
upogibanje
žarek
x2



3Cx4H
Thin-D
x2



Čelni zobnik
40T 1x



Čelni zobnik
kolo-8T
1x



3Hx4Pin
Priključek
x2



Polnjenje
velike osi
10-krat



Nasvet za montažo

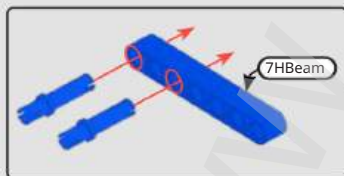


Dolge modre bučke imajo dve različni strani!
Ena stran lahko gre hkrati v dva nosilca, ena stran
pa samo v enega.

V vsakem koraku bodite pozorni na to, katero stran je
treba vstaviti.



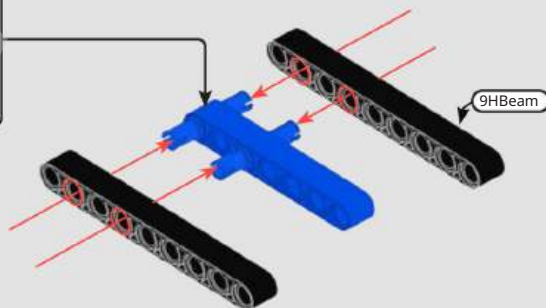
1



1:1



Dolga modra

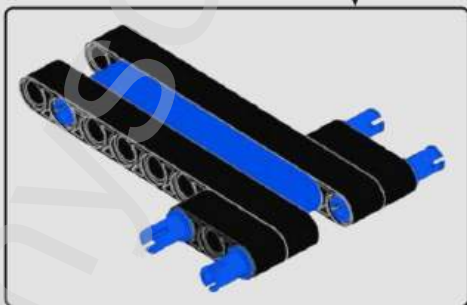
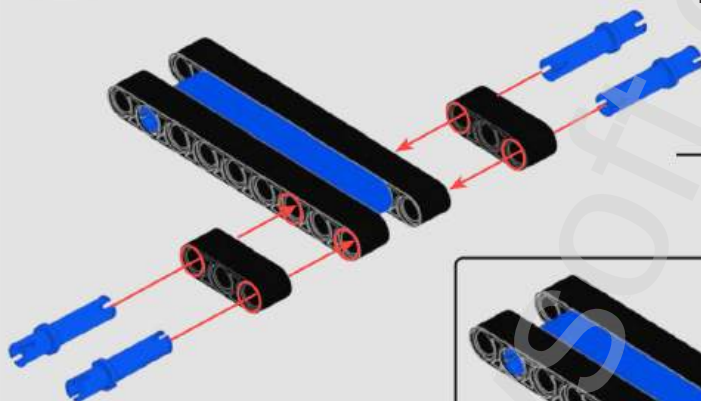


2

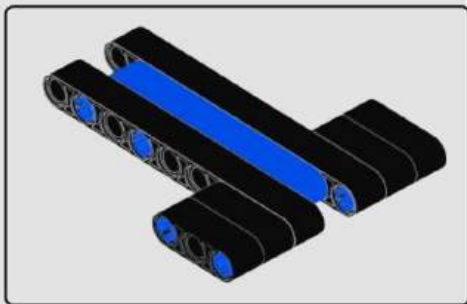
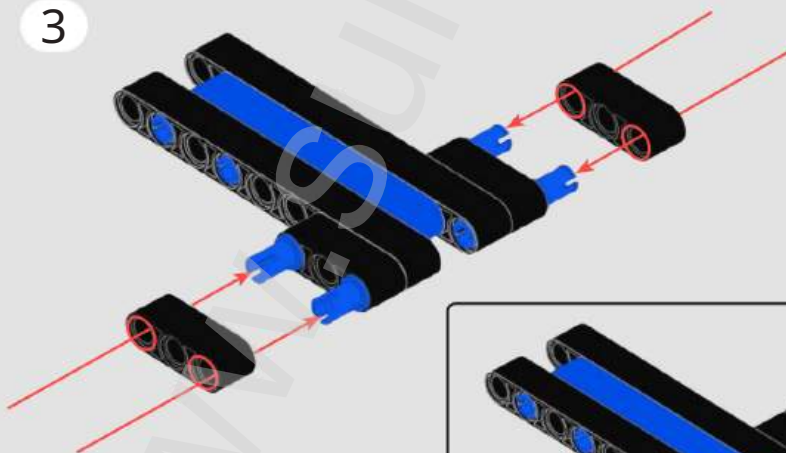
1:1



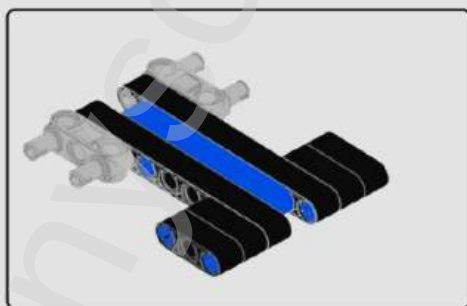
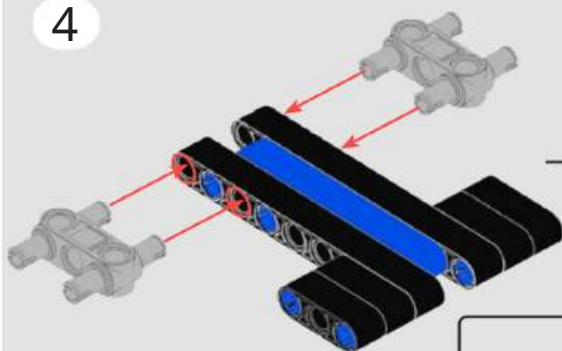
Dolga modra zaponka



3



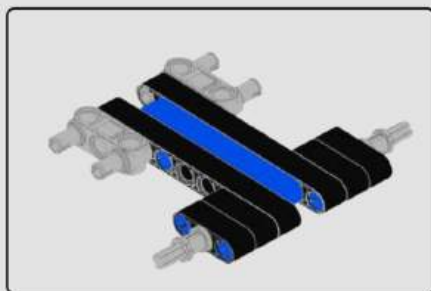
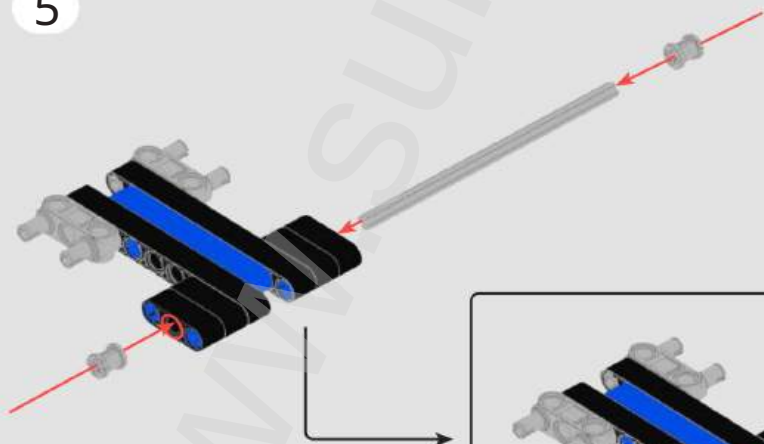
4



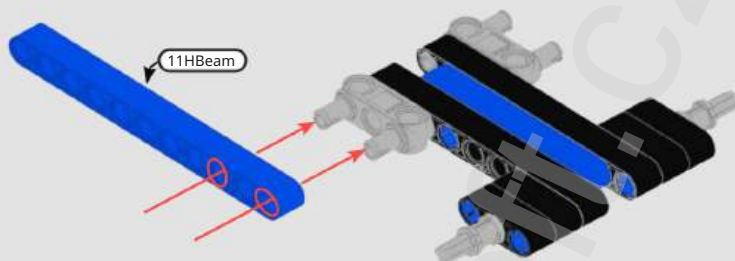
1:1

11H os

5



6



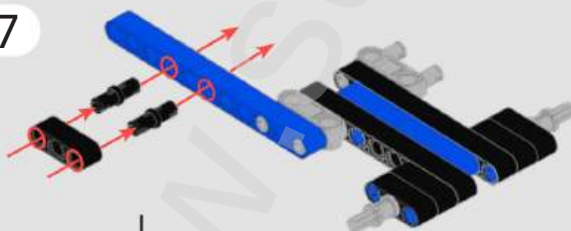
Nasvet za montažo



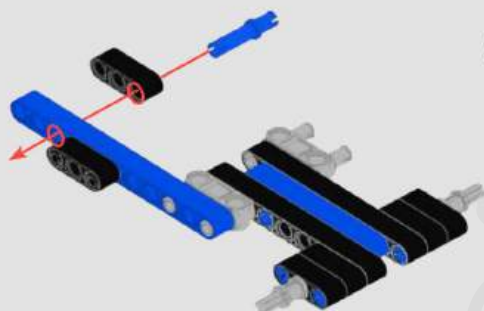
Črne srednje zatiče je lahko nekoliko težko vstaviti! Ampak brez skrbi. Potisnite jih skozi in se prepričajte, da je povezava tesna. Uporabite malo sile. :)



7



8



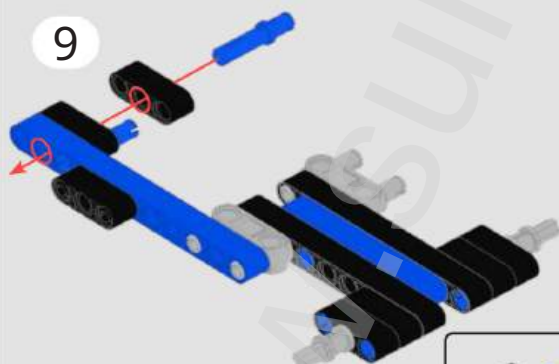
1:1



Dolga modra



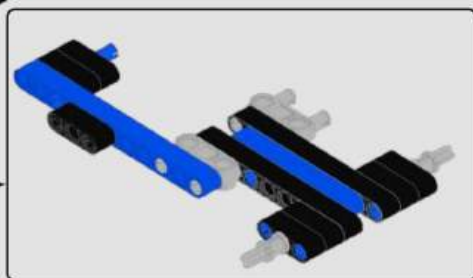
9



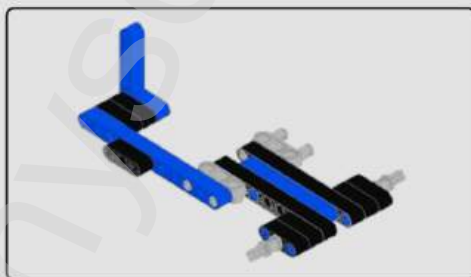
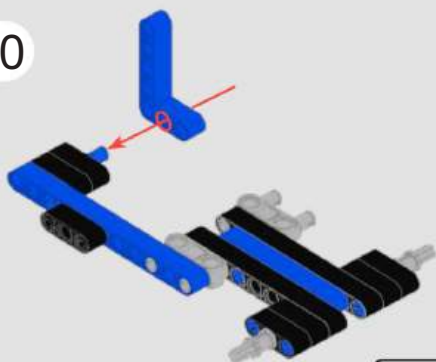
1:1



Dolga modra



10

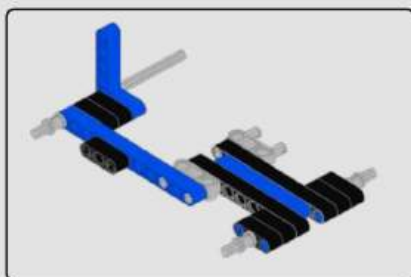
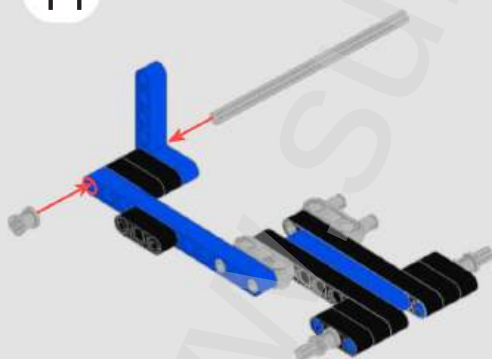


11

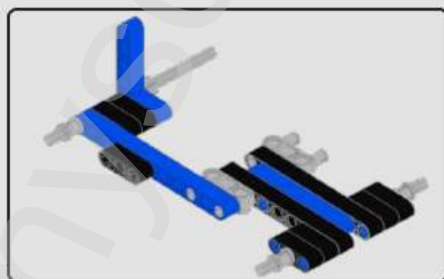
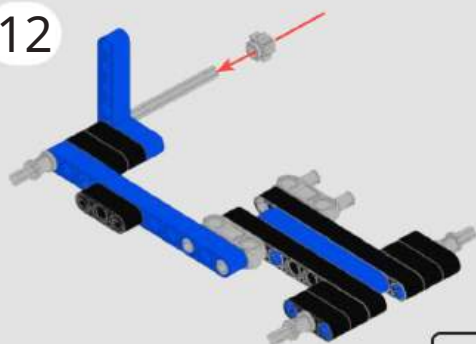
1:1



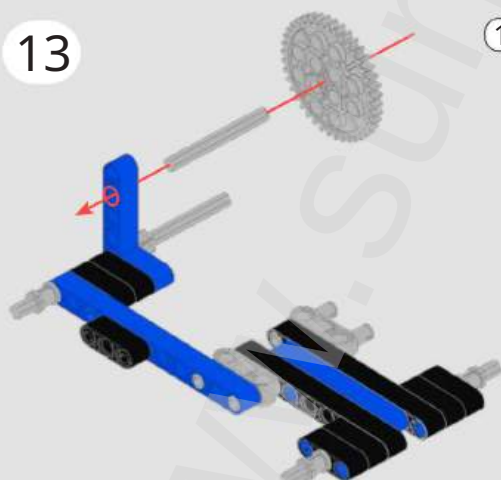
11H Remedy



12



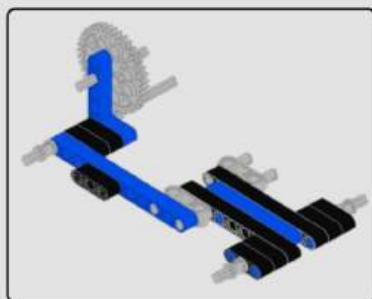
13



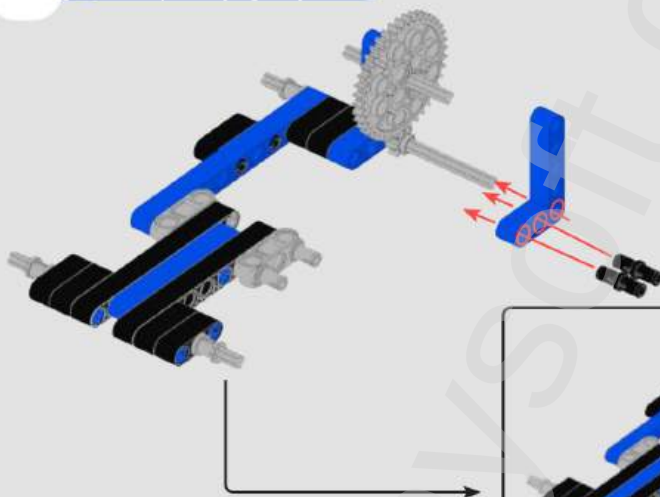
1:1



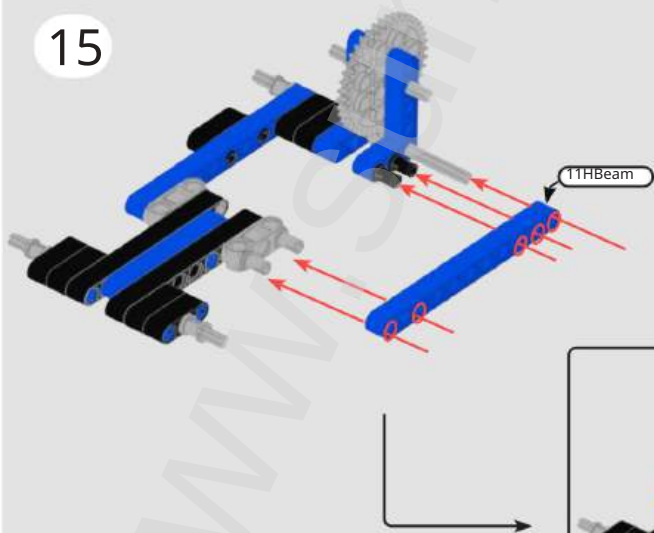
5H Remedy



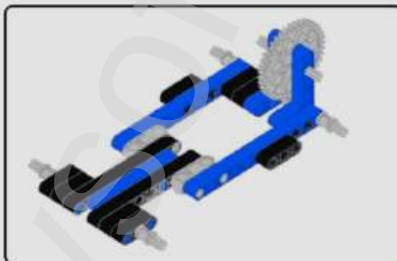
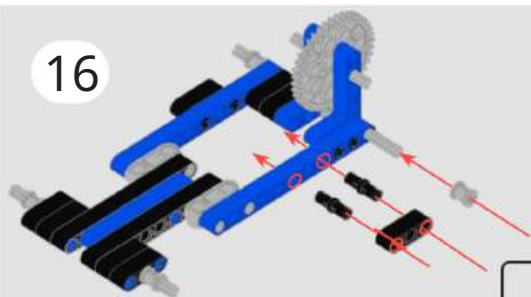
14  gled od spredaj zgoraj desno



15



16



Vtipkajte za sestavljanje

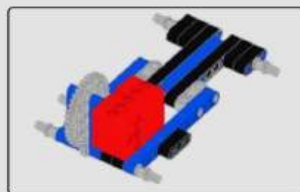
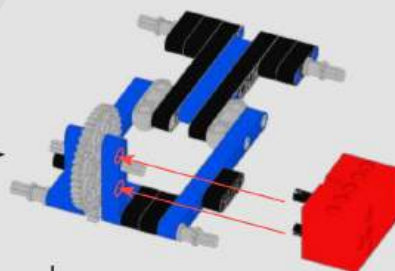
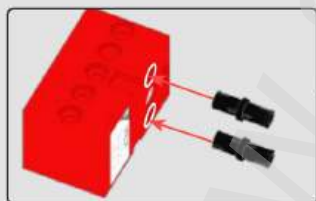


Črne srednje zatiče lahko vstavite samo na eno stran motorja! Črne zatiče lahko vstavite samo na stran motorja z belo nalepko. Na drugi strani z markerjem lahko uporabite samo majhne rumene zatiče.

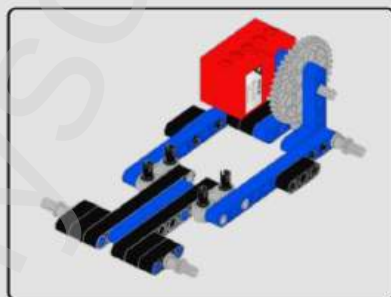
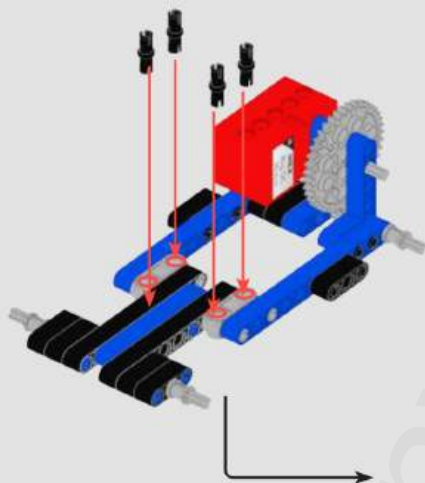


17

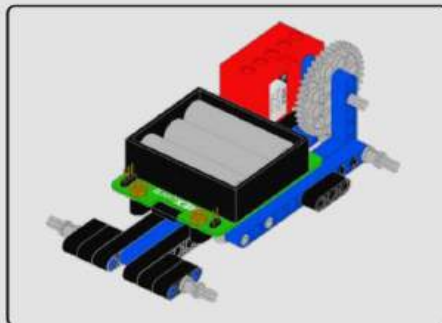
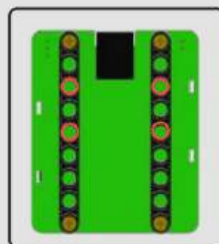
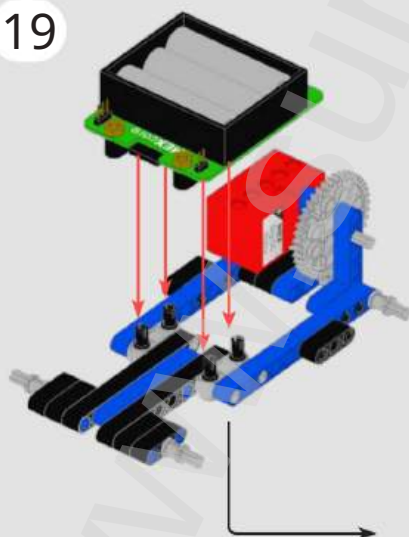
glej od zgoraj levo od zadaj



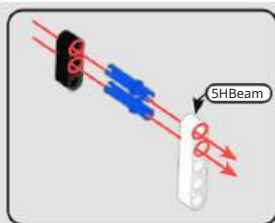
18  pogled od spredaj zgoraj desno



19



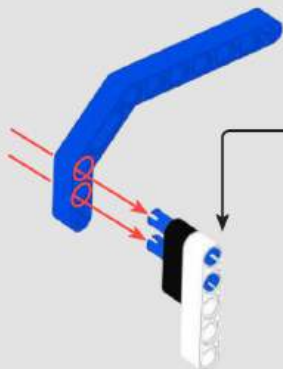
19



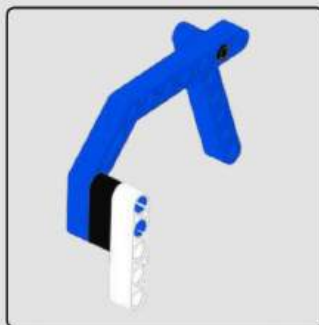
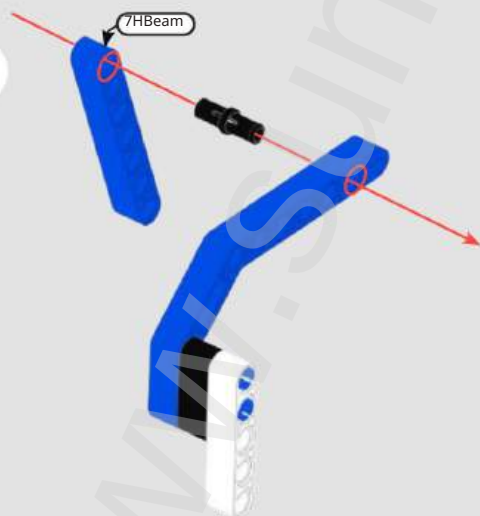
1:1



Dolga modra zaponka



20

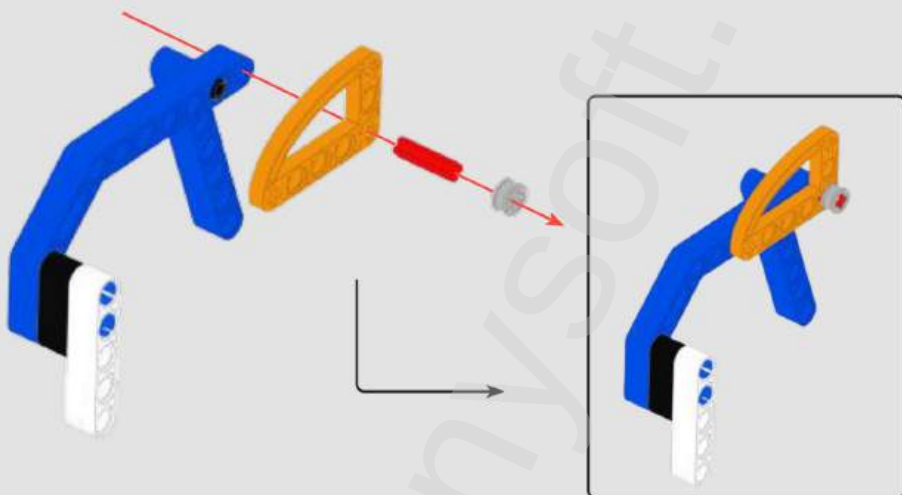


21

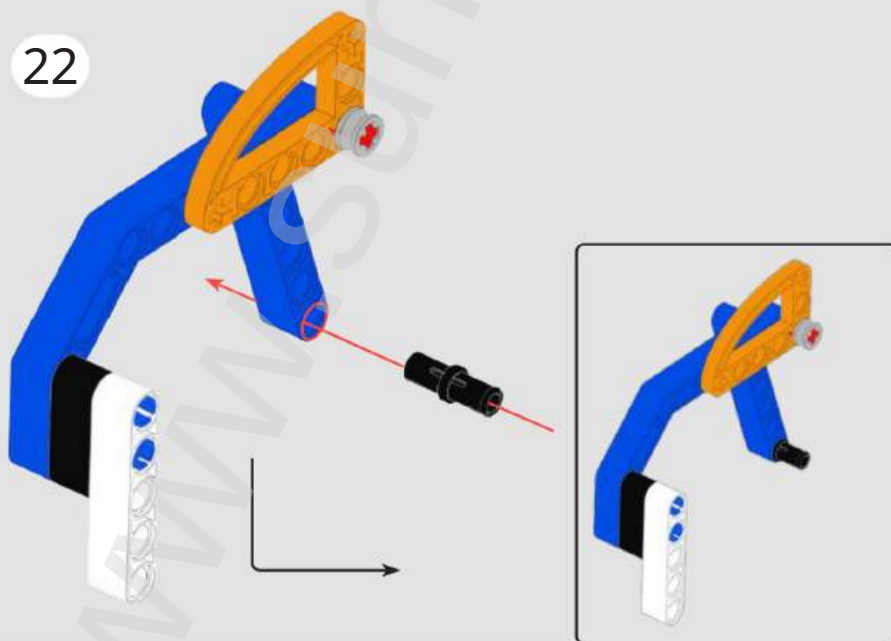
1:1



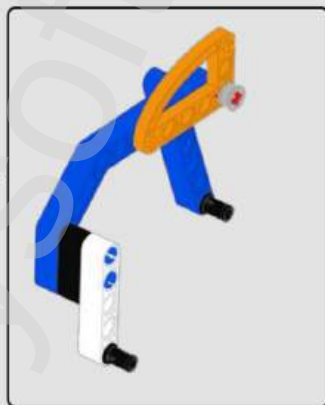
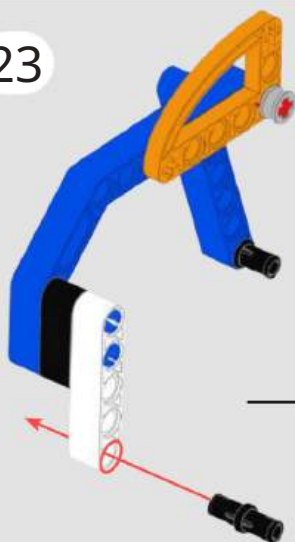
2H Remedy



22



23



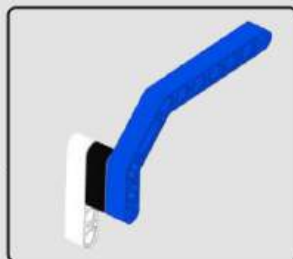
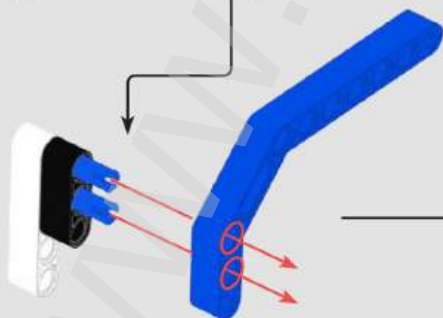
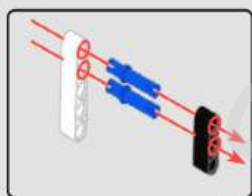
Naredimo zrcalno stran.

24

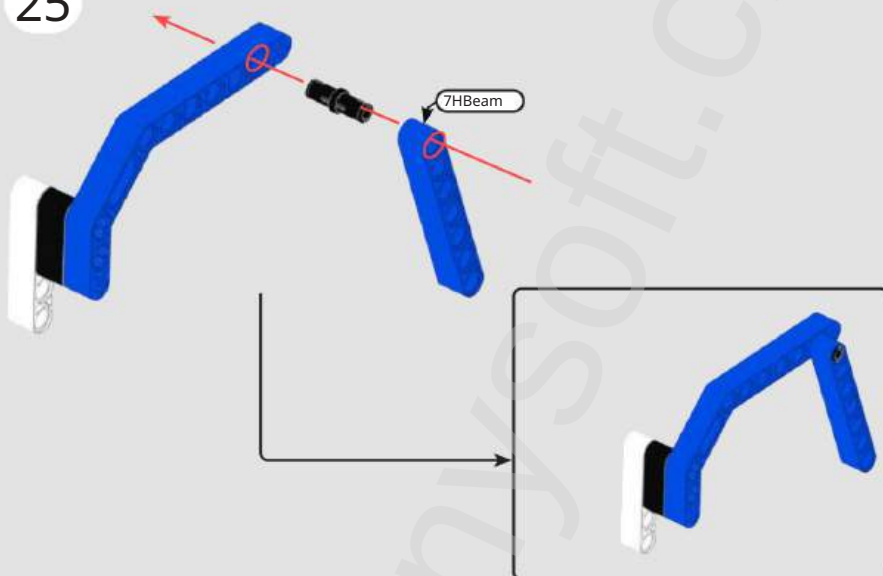
1:1



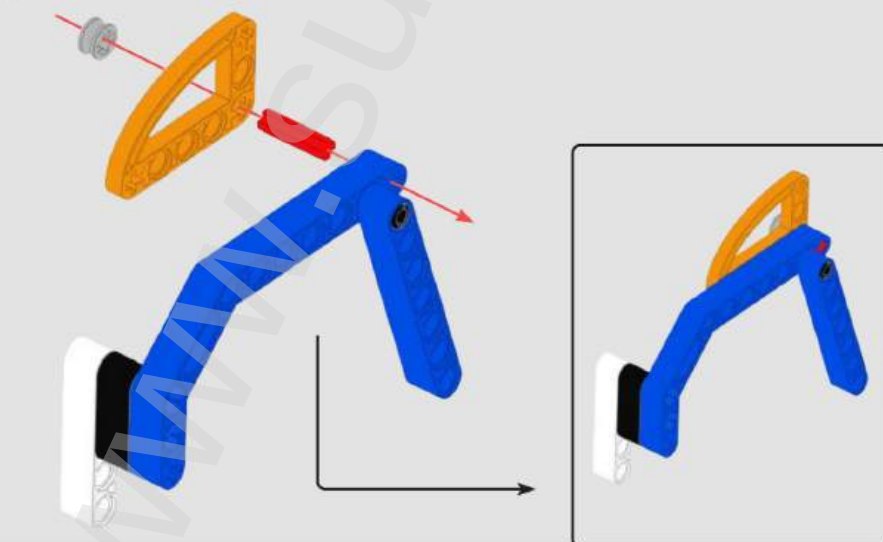
Dolga modra zaponka



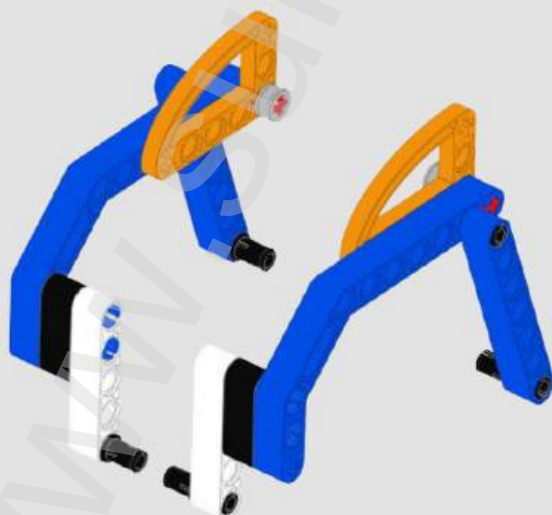
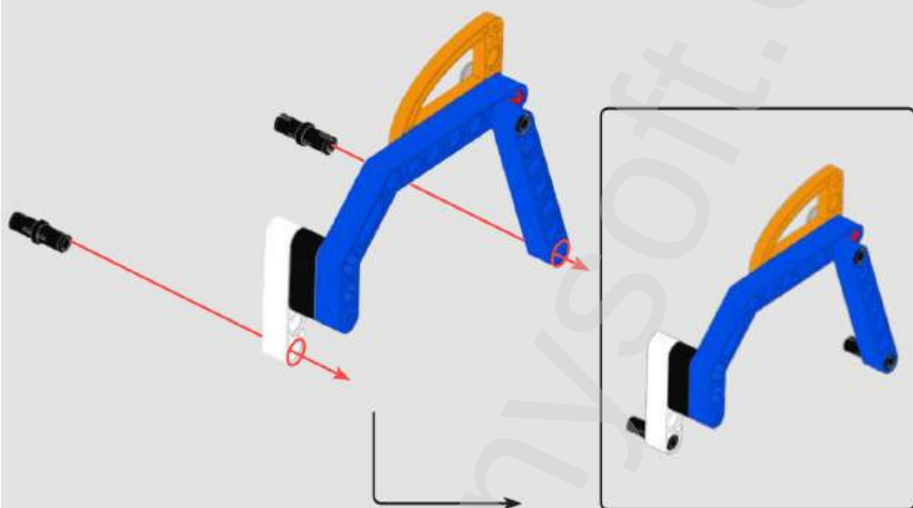
25



26



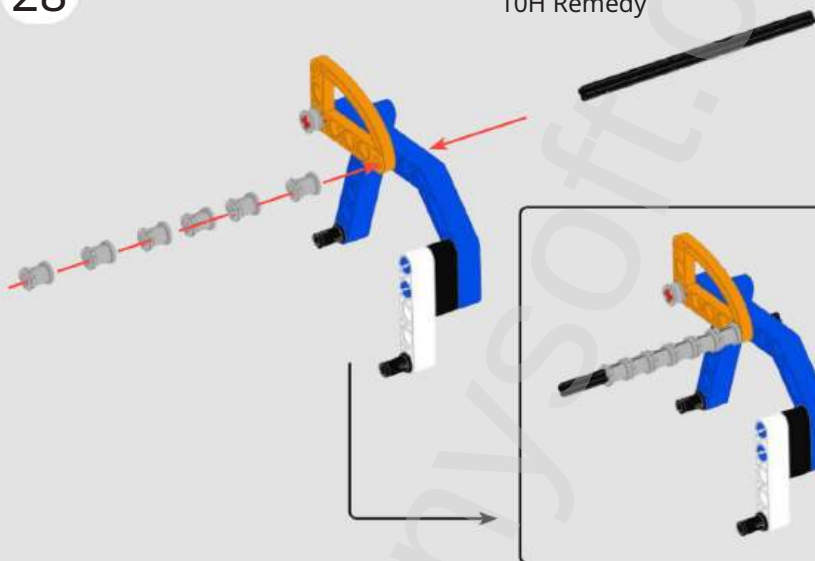
27



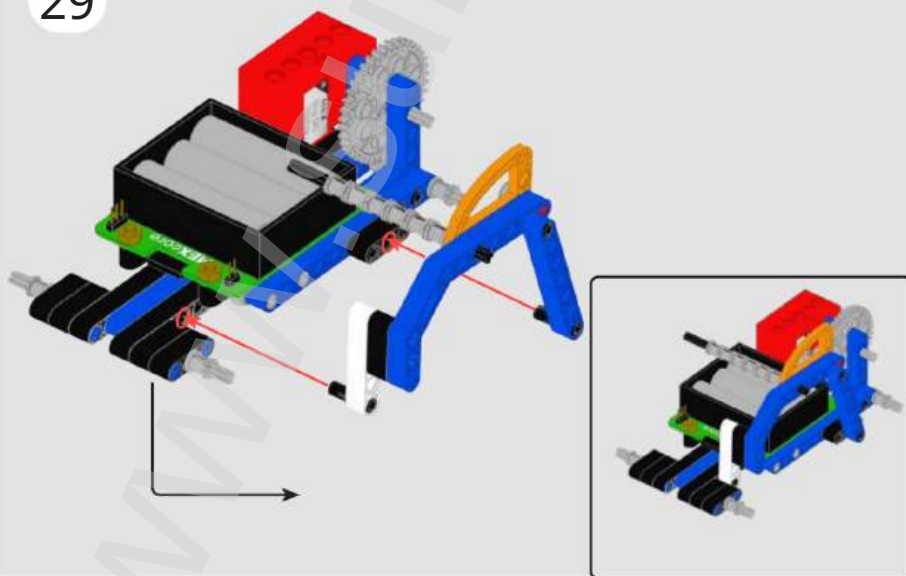
28

1:1

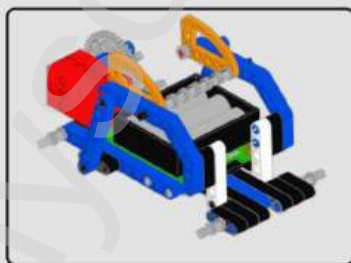
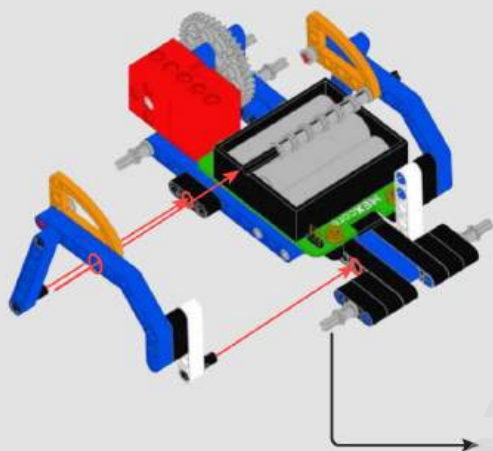
10H Remedy



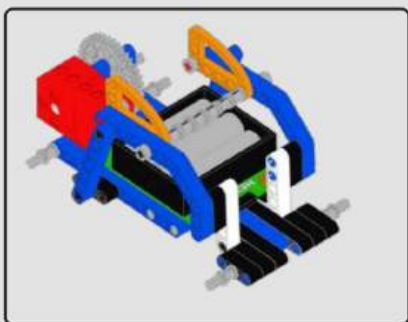
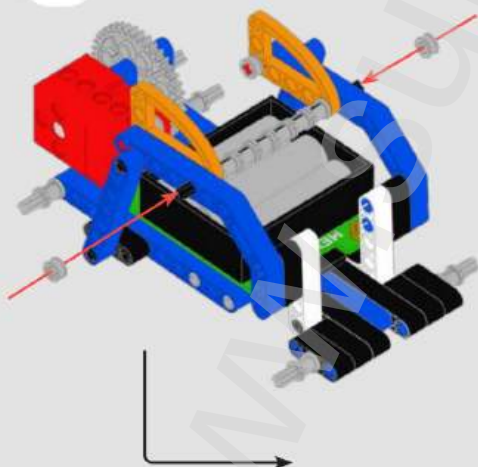
29



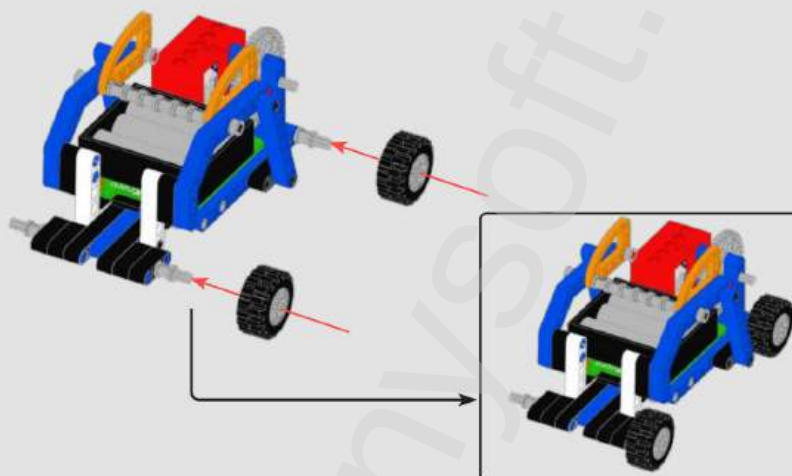
30



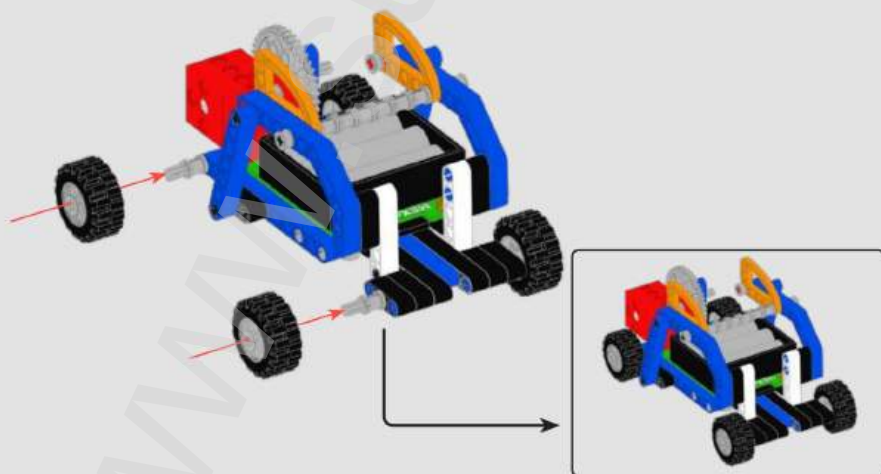
31



32



33



Čestitamo za vaš zaključek tega projekta!

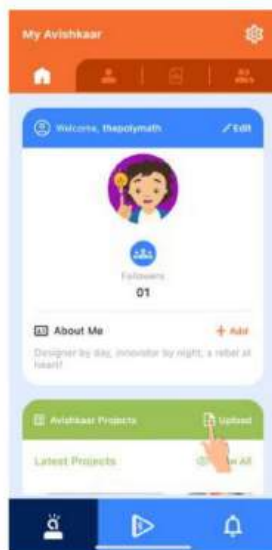
Z njim uživaš v igri mobilna aplikacija avishkaar?
Za podrobna navodila o prenosu aplikacije in upravljanju robota z njo glejte 8. stran.



Delite svojo stvaritev s svetom in osvojite značko 1. stopnje »Popraskaj po površini«

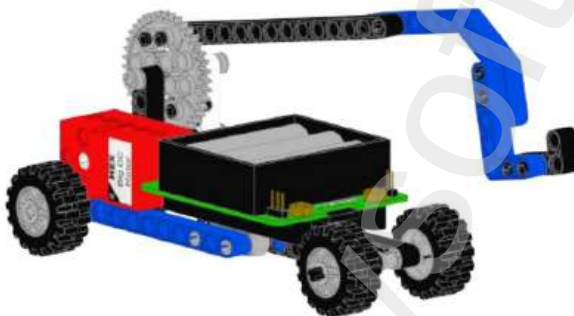
Naložite fotografije ali videoposnetke svojega projekta z uporabo razdelka za projekte v aplikaciji Avishkaar in osvojite značko stopnje »Scratch the Surface«.

1. Oglejte si vse svoje zbirke značke v razdelku z dosežki v vašem profilu na www.avishkaar.cc. Raziščite vse ostale značke, ki jih želite zbrati, in jih osvojite !



Projekt 2: Žerjav

Gradimo!



Stvari, ki jih potrebujemo



15 ur
Žarek
1x



11. uro
Žarek
x2



9 ur
Žarek
x2



5H žarek
1x



3H
Žarek
x6



5H
T-nosilec
x2



2Cx10H
Dvojno
upogibanje
Žarek
1x



7H L-nosilec
1x



1Cx4H
L-nosilec
1x



Čelni
zobnik
40T x 1



Čelni zobnik
zvezdasto kolo-8T
1x



3Hx4Pin
Priključek
x2



Polnjenje
velike osi
5-krat



Polnjenje
osi - majhne

x3



5H
Rešitev
1x



11. uro
Zdravilo
x 1



6H
Zdravilo
x 1



8H os x 1



Kratka
rumena
x2



Dolga
zatič - modra
x 5



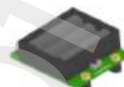
Srednje
črna
16-kratnik



Kolo
x 4



MEX velik
DC
motor
1x



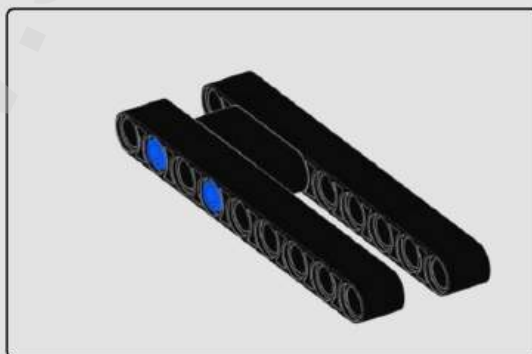
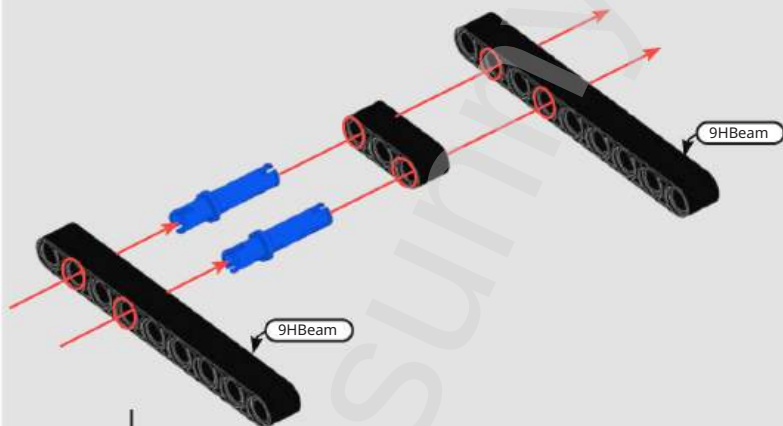
Avishkaar
MEXCore
1x

1

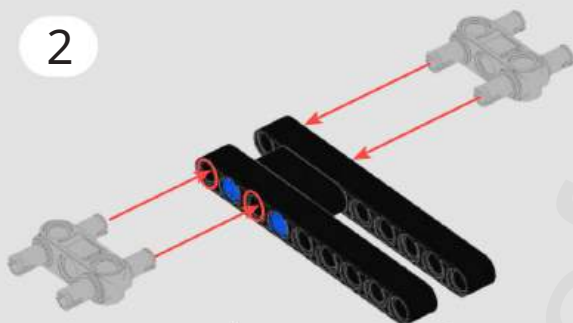
1:1



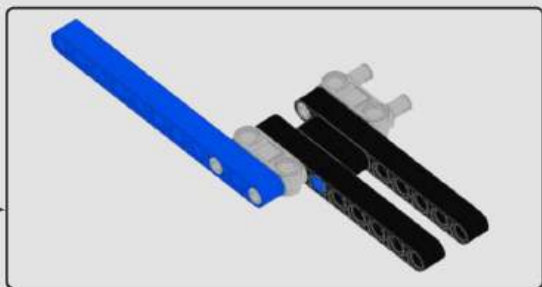
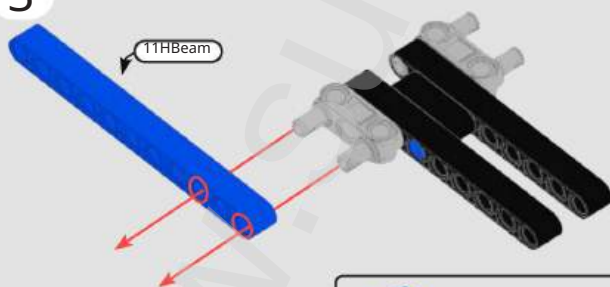
Dolga modra



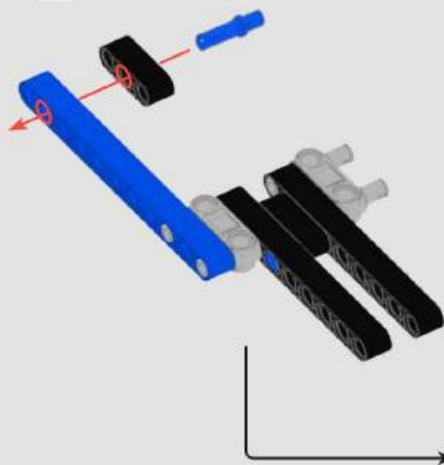
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3



4



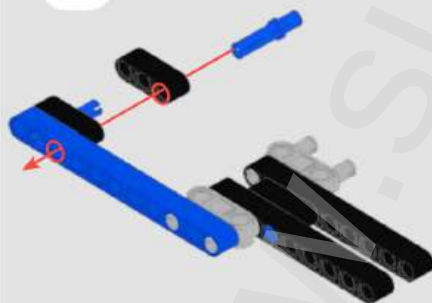
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Dolga modra



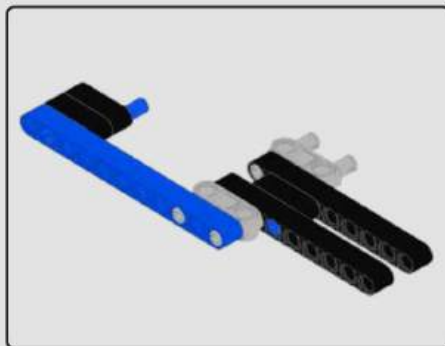
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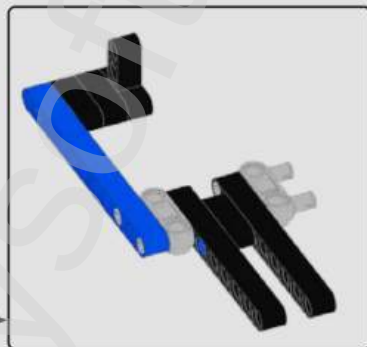
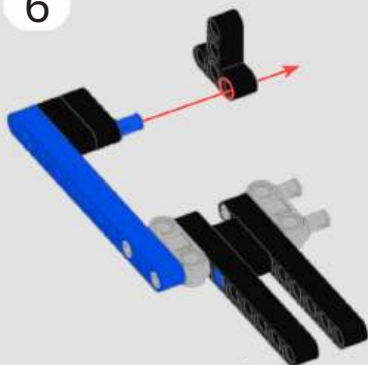
1:1



Dolga modra



6



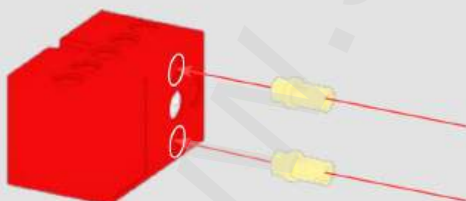
Nasvet za montažo



Kratke rumene bučke so lahko nekoliko tanke ! Bodite previdni pri uporabi . Zlahka se zlomijo. In tudi jih je lahko težko odstraniti – za varno odstranitev prosite starša ali odraslo osebo odstranjeno.



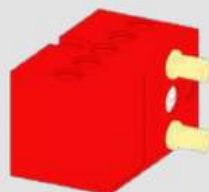
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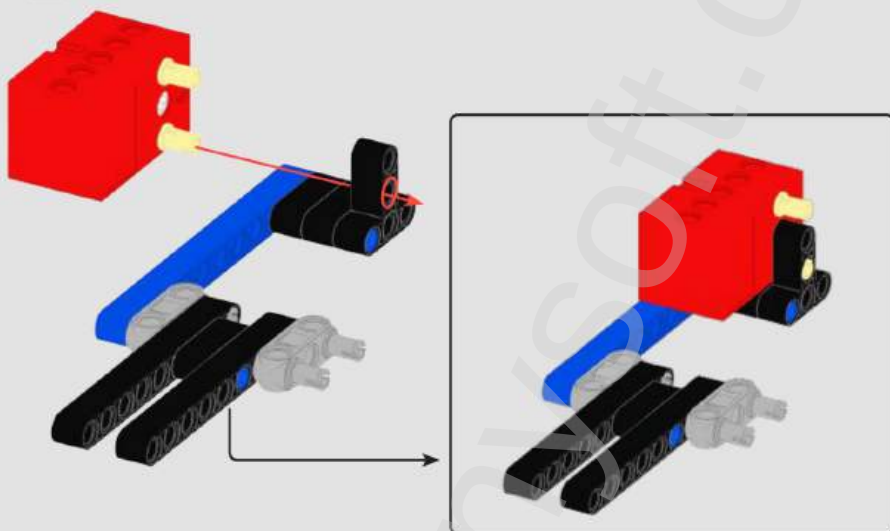
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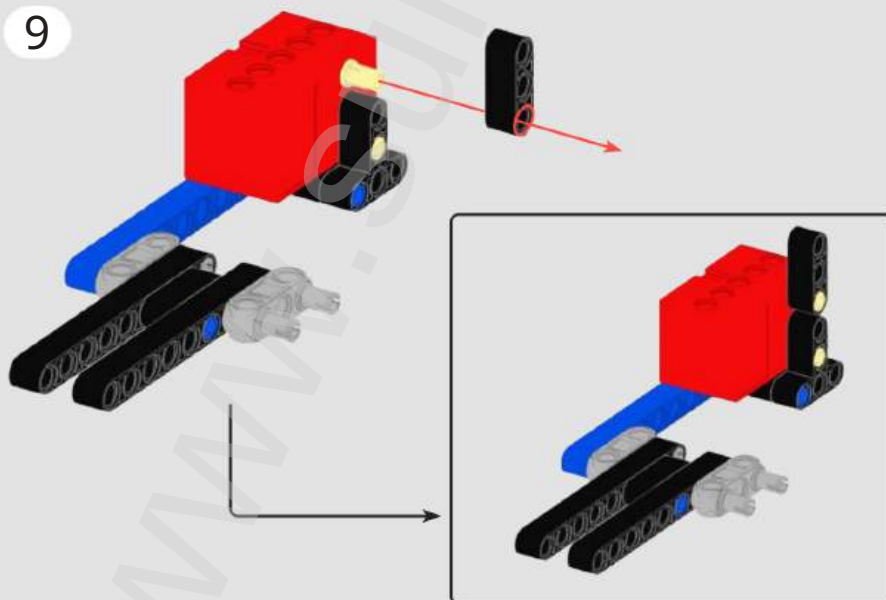
Kratka rumena zaponka



8



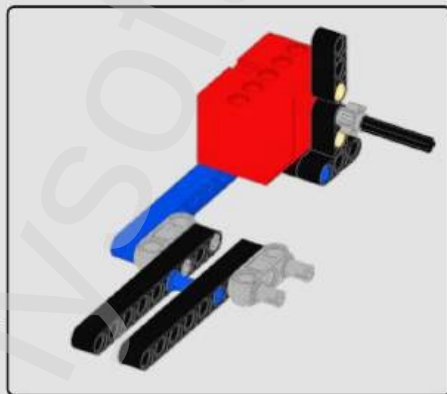
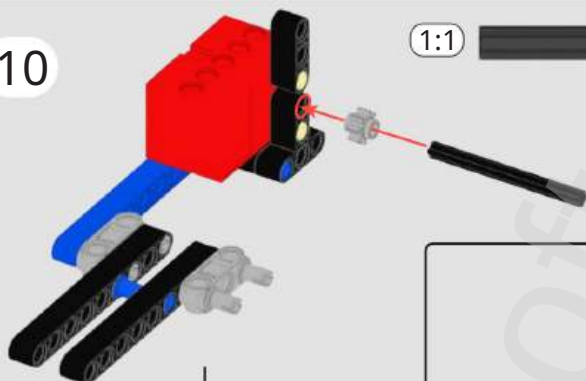
9



10

1:1

6H Remedy

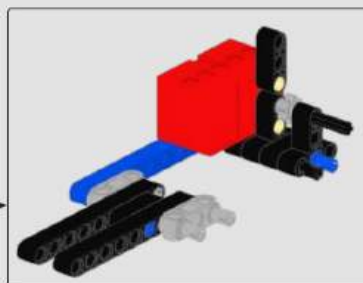
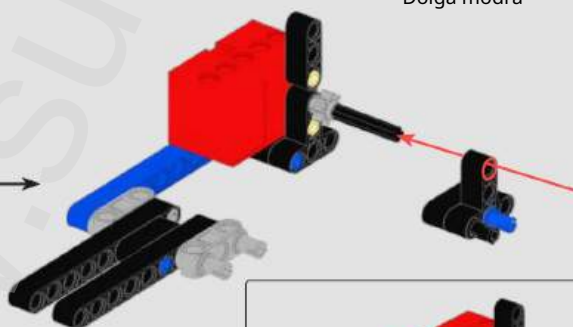
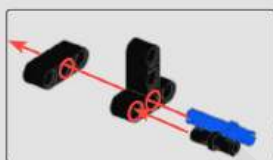


11

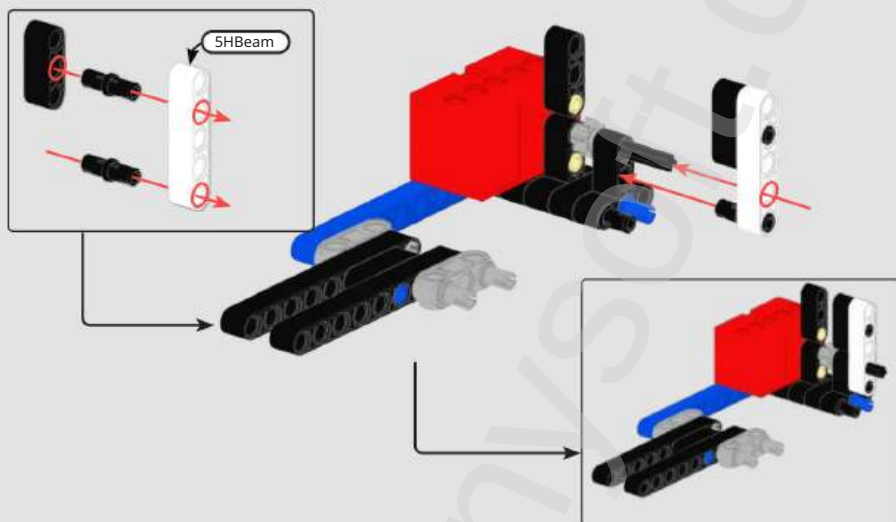
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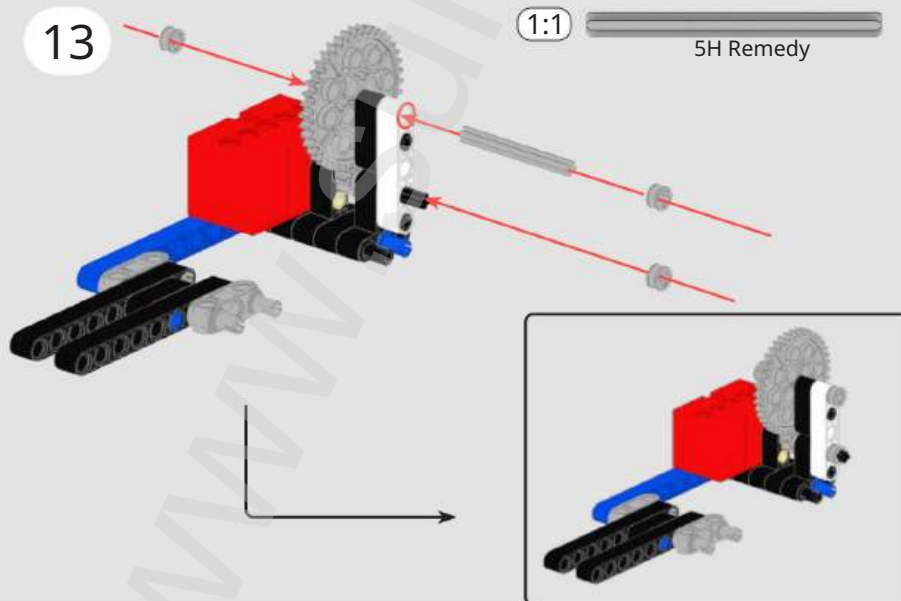
Dolga modra



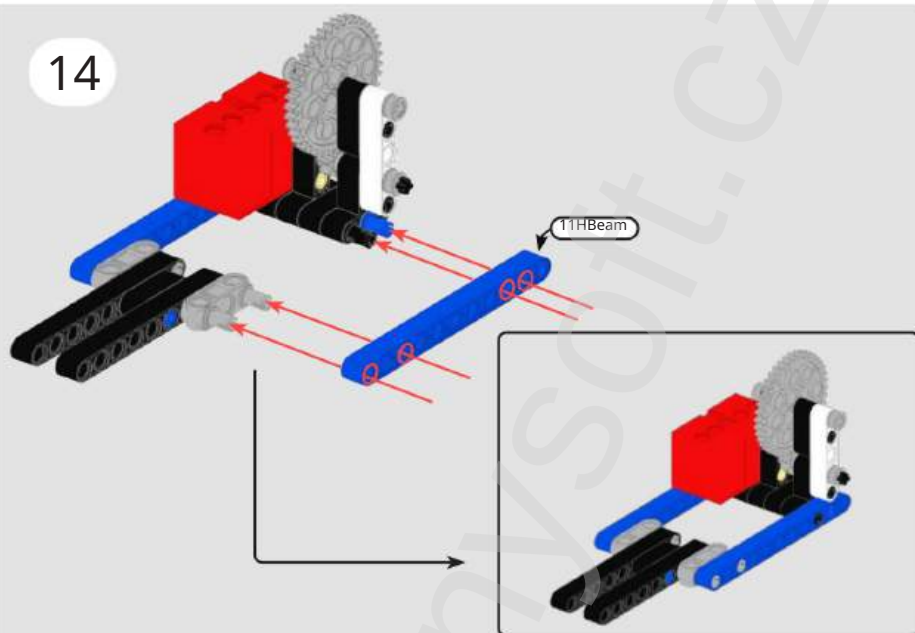
12



13



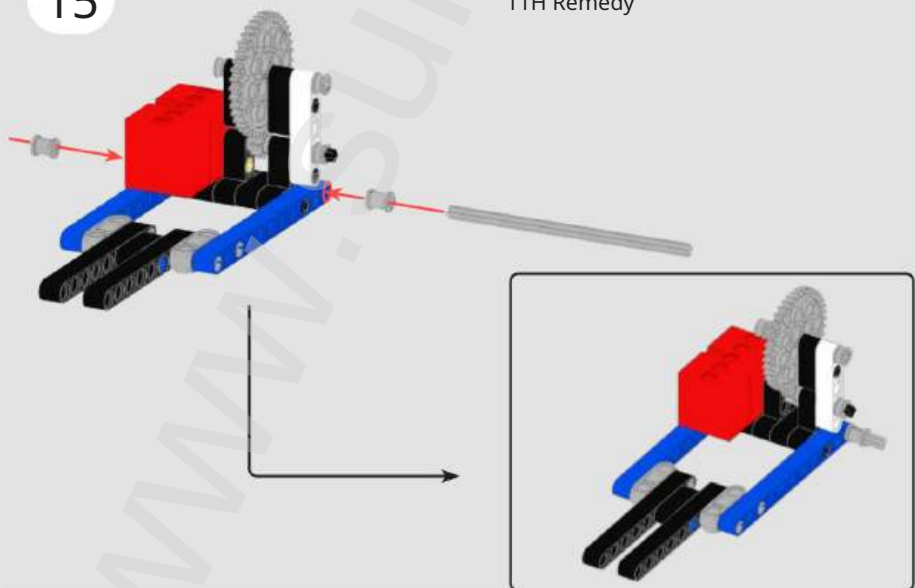
14



15

1:1

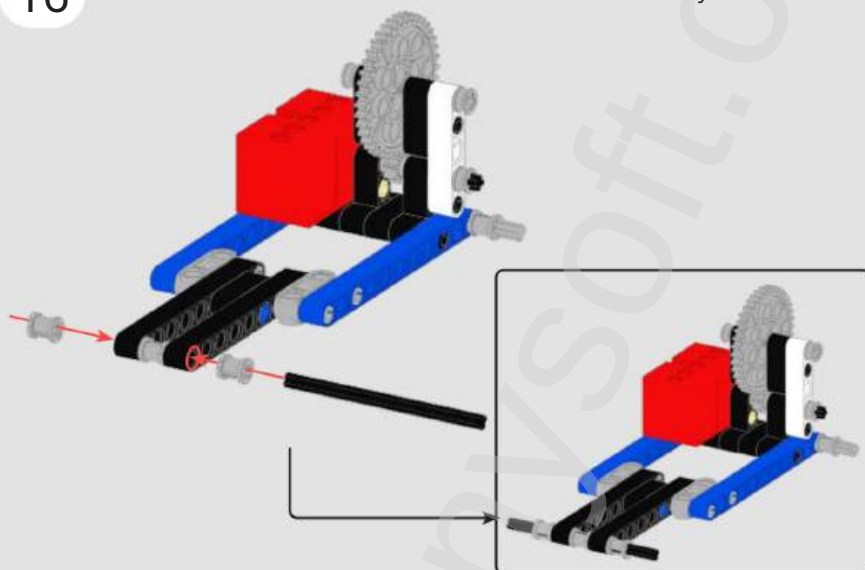
11H Remedy



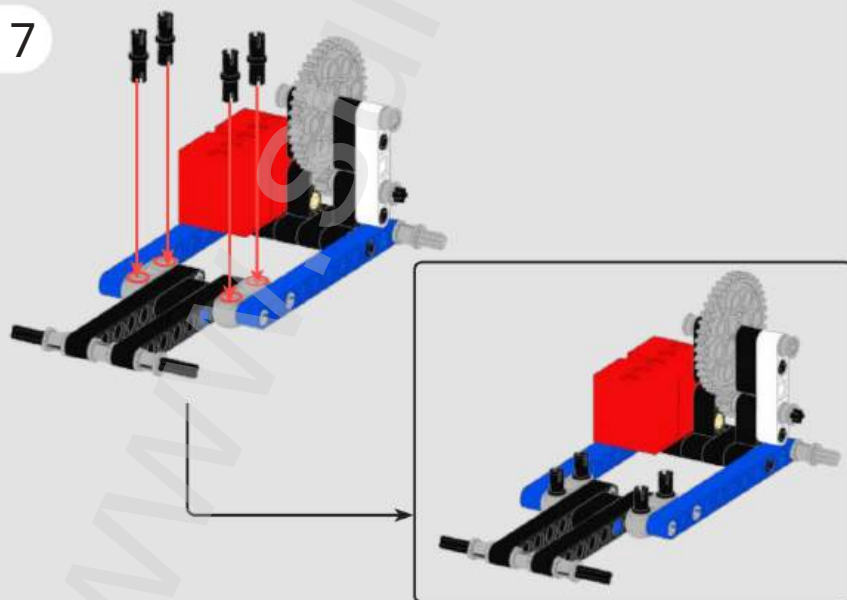
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1:1

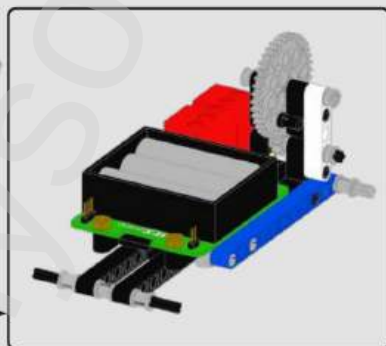
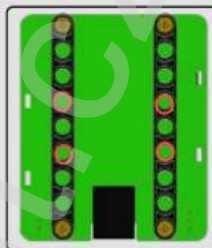
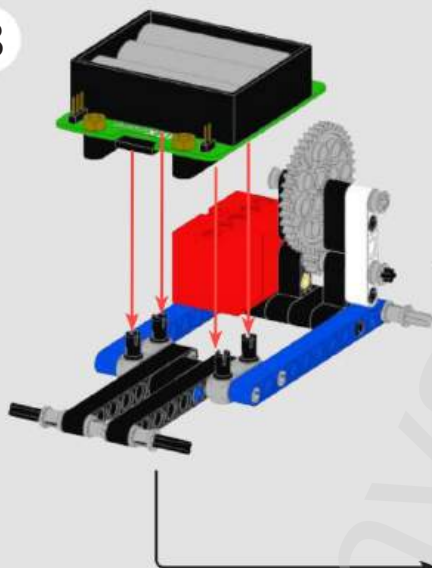
8H Remedy



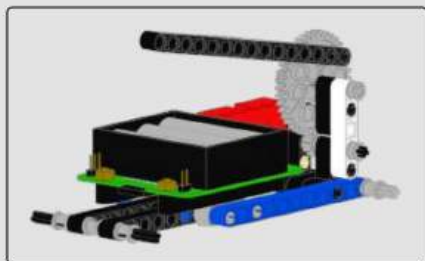
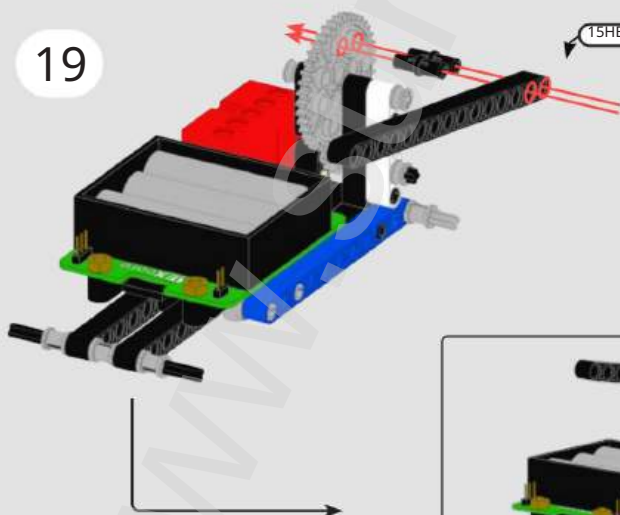
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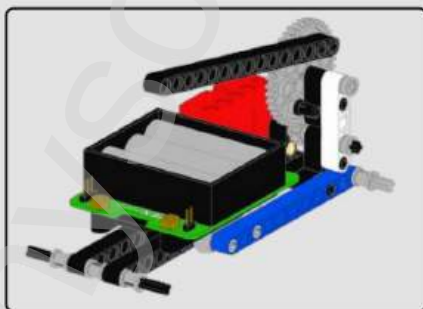
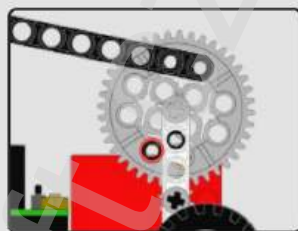
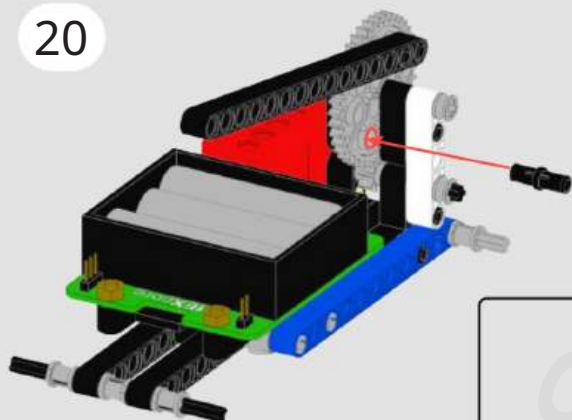
18



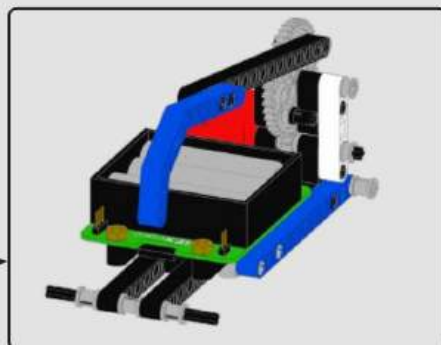
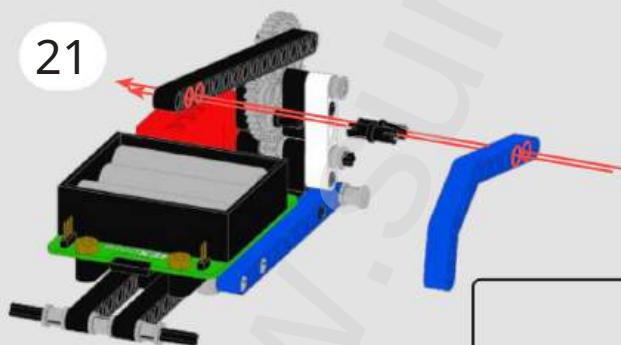
19



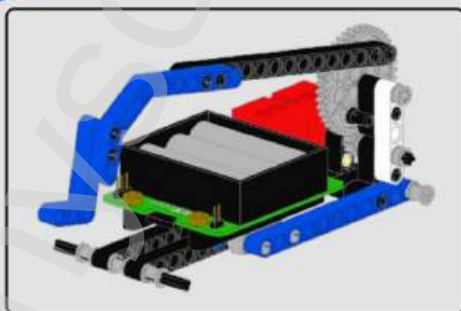
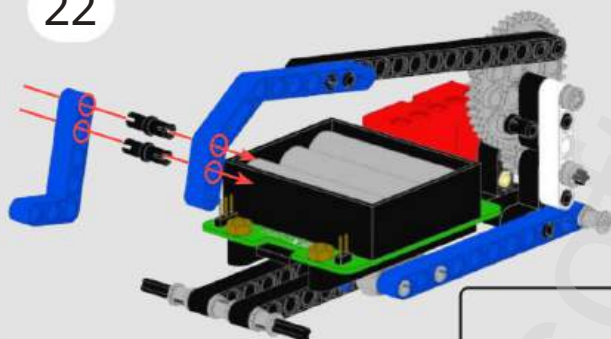
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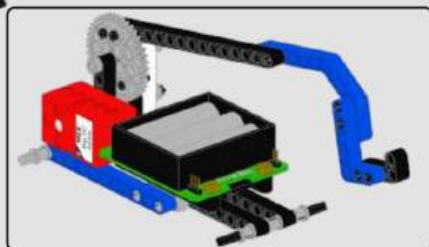
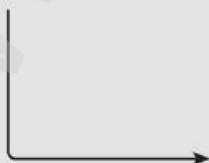
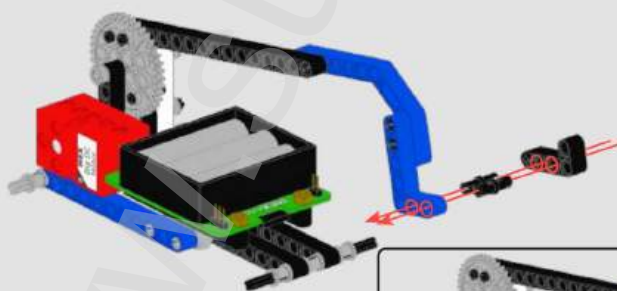
21



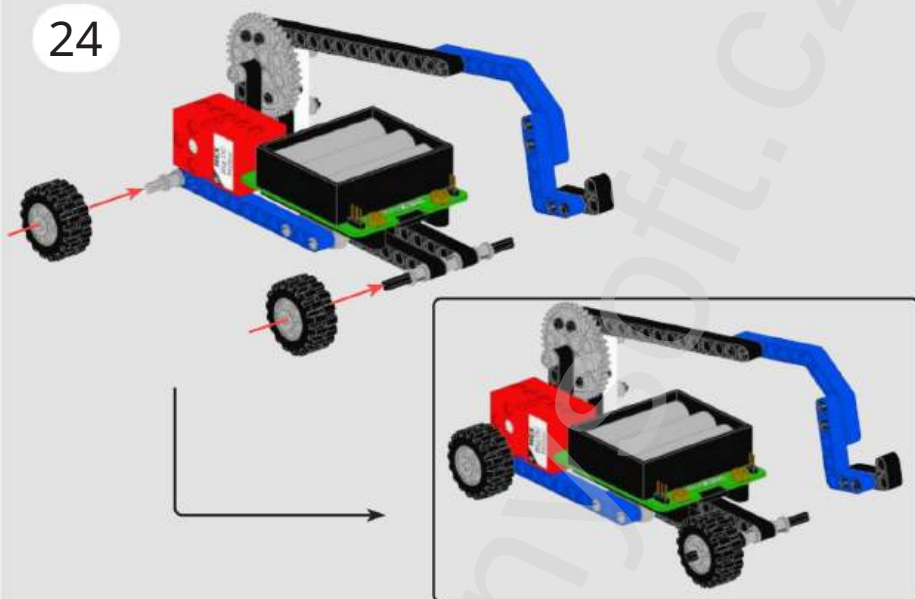
22



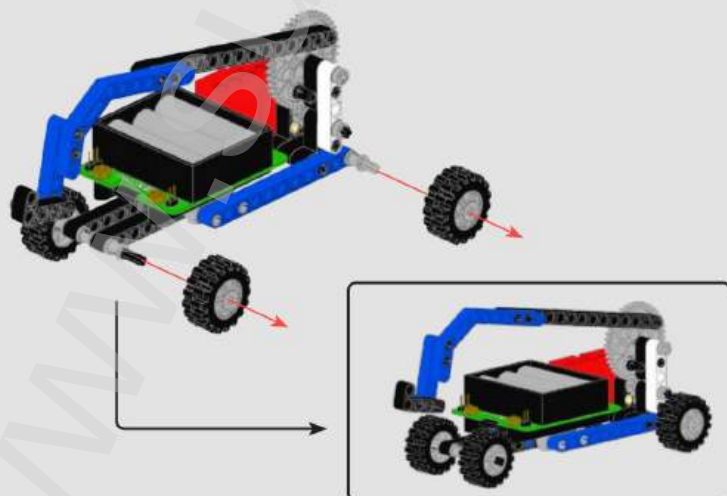
23



24



25



Čestitamo za vaš zaključek tega projekta!

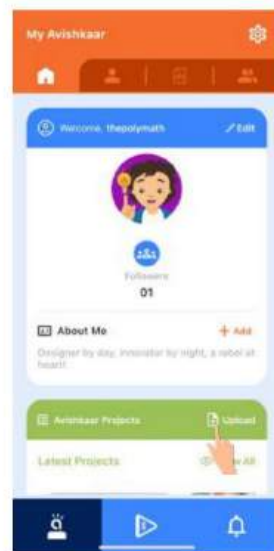
Z njim uživaš v igri mobilna aplikacija avishkaar?
Za podrobna navodila o prenosu aplikacije in upravljanju robota z njo glejte 8. stran.



Delite svojo stvaritev s svetom in osvojite značko 2. stopnje »Popraskaj po površini«

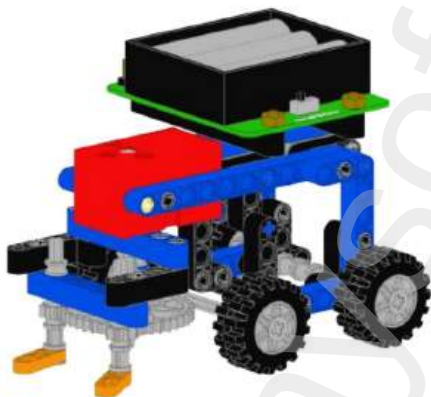
Naložite fotografije ali videoposnetke svojega projekta v razdelku za projekte v aplikaciji Avishkaar, da si prislužite značko "2. stopnje »Popihaj po površini« .

Oglejte si vse svoje zbirke značke v razdelku z dosežki v vašem profilu na www.avishkaar.cc. Raziščite vse ostale značke, ki jih želite zbrati, in jih osvojite !



Projekt 3: Snežni plug

Gradimo!



Stvari, ki jih potrebujemo



11. uro
Žarek
x2



7H
Žarek
x4



3H
Žarek
x2



7H L-nosilec
x2



5HT
Žarek
x4



1Cx4H
L-nosilec
x4



2Cx1H
Tankoslojni
x2



Čelni
zobnik
40T x 1



Čelni zobnik
kolo-8T x 2



3Hx4 zatič
Priključek
x2



Polnjenje
velike osi
x11



Polnjenje
osi - majhne
x3



5H Pokrita
os x 2



11. uro
Zdravilo
x 2



6H os x 1



Kratek
Pin-rumena
x 2



Dolga
zatič - modra
x 5



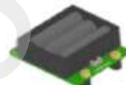
Srednje
Pripni
črna
x 20



Sredinski
zatič osi - moder
x 2



Kolo x 4



Avishkaar
MEXCore
x 1



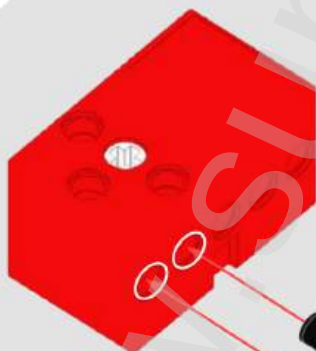
MEX velik
Enosmerni
motor x 1

1

1:1



Kratka rumena zaponka

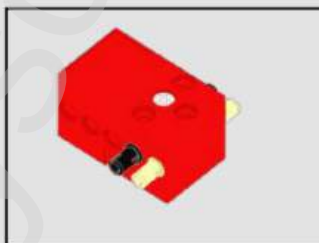
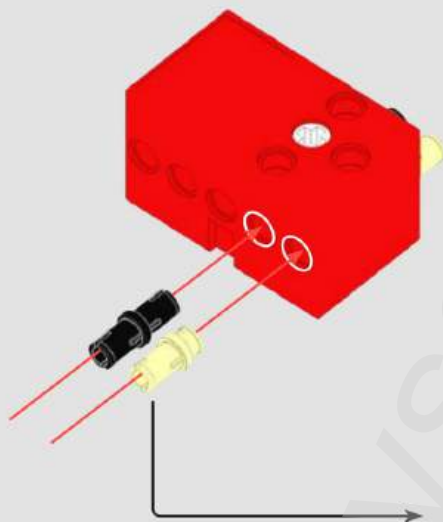


2

1:1



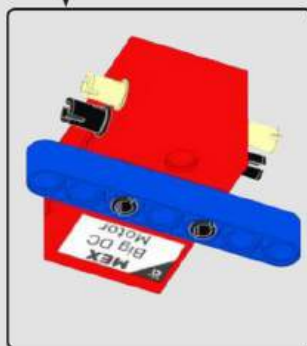
Kratka rumena zaponka



3



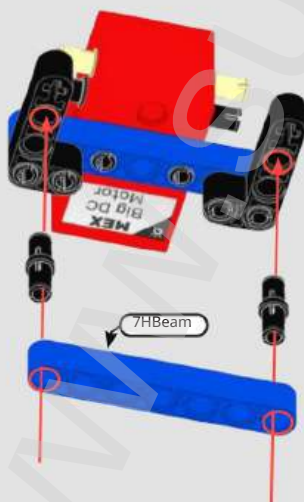
Pogled od spredaj spodaj desno



4



5



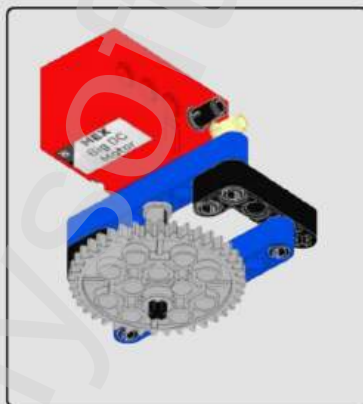
6



Pogled od zadaj spodaj levo

1:1

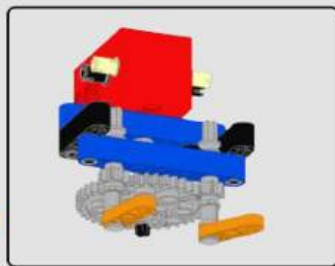
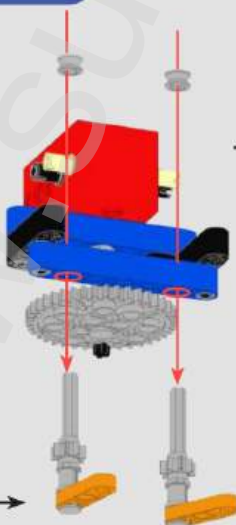
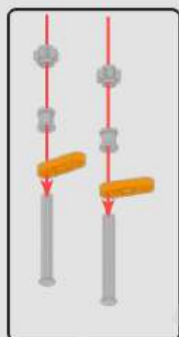
6H Remedy



7



Pogled od spredaj spodaj levo

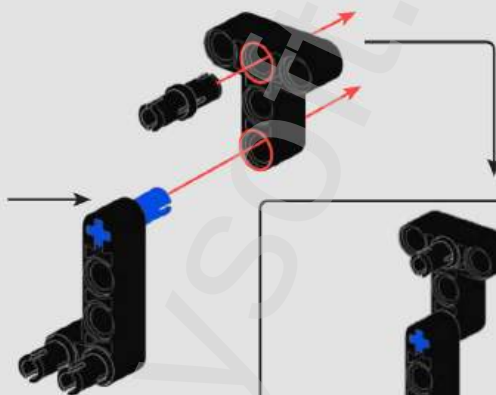
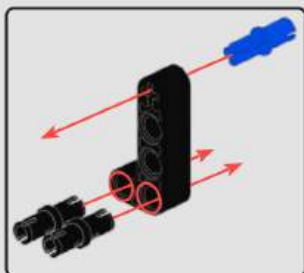


8

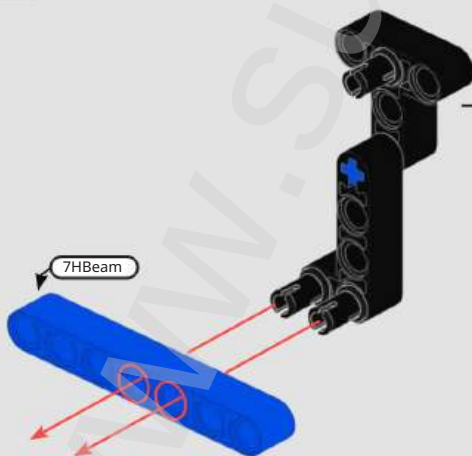
1:1



Modri zatič srednje osi



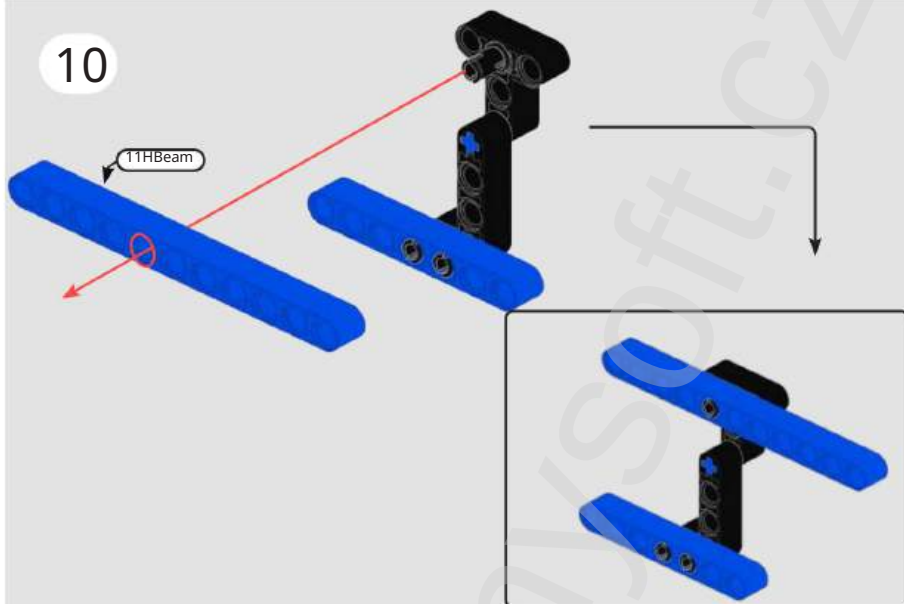
9



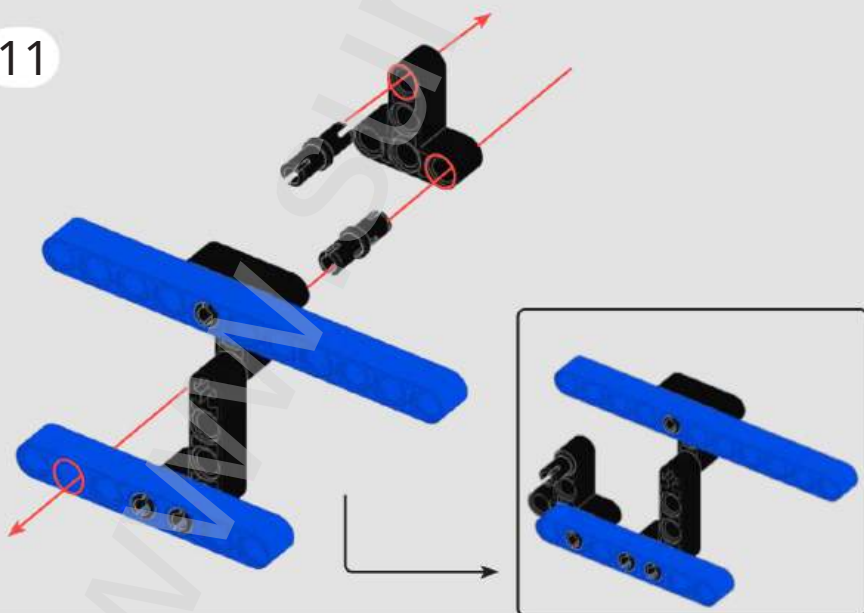
7HBeam



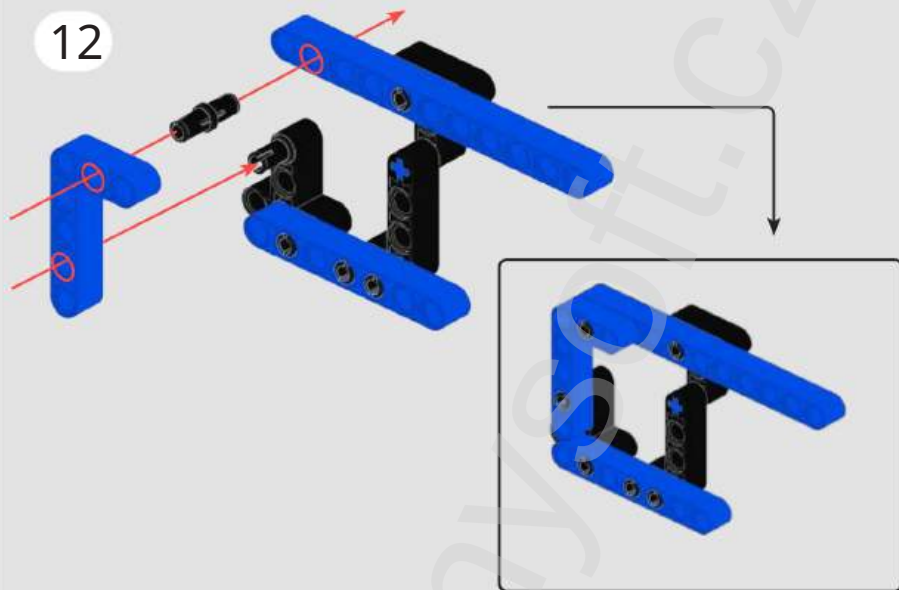
10



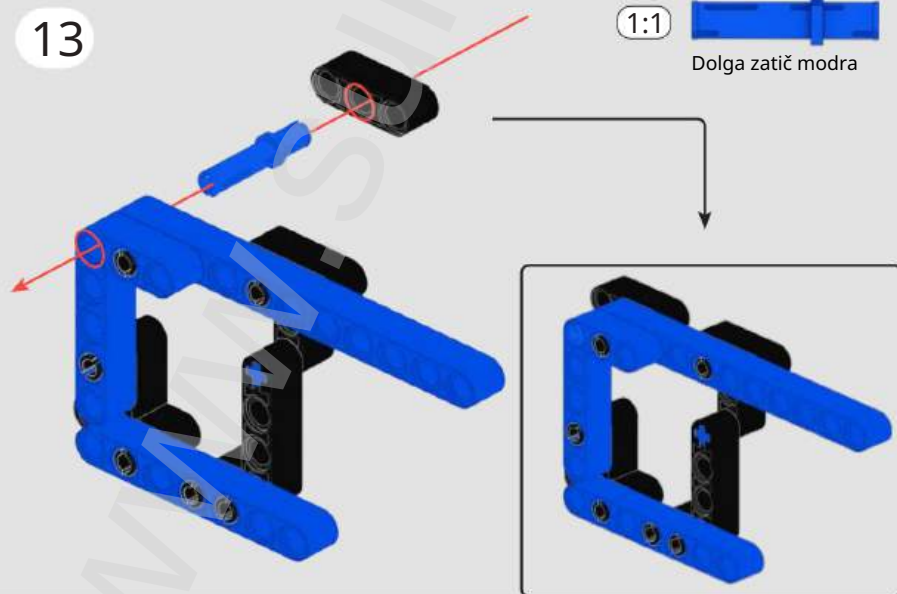
11



12



13



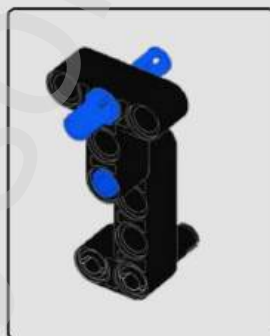
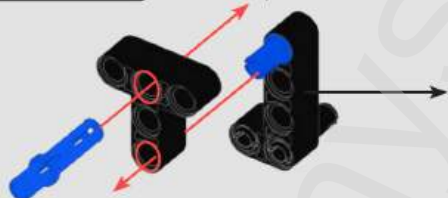
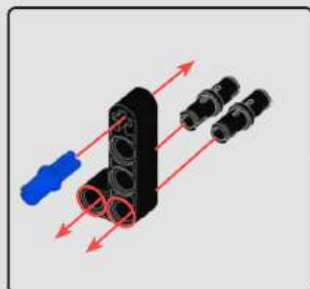
14

Naredimo še drugo stran.

1:1

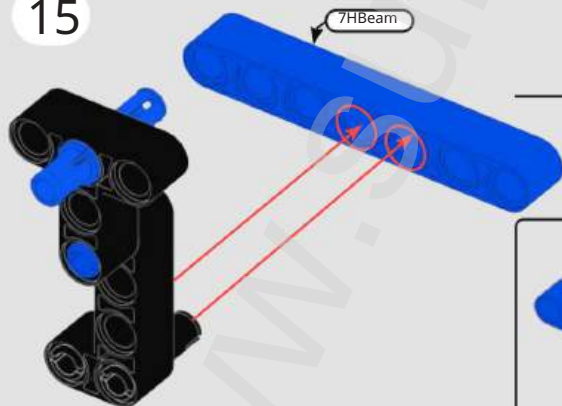


Modri zatič srednje osi

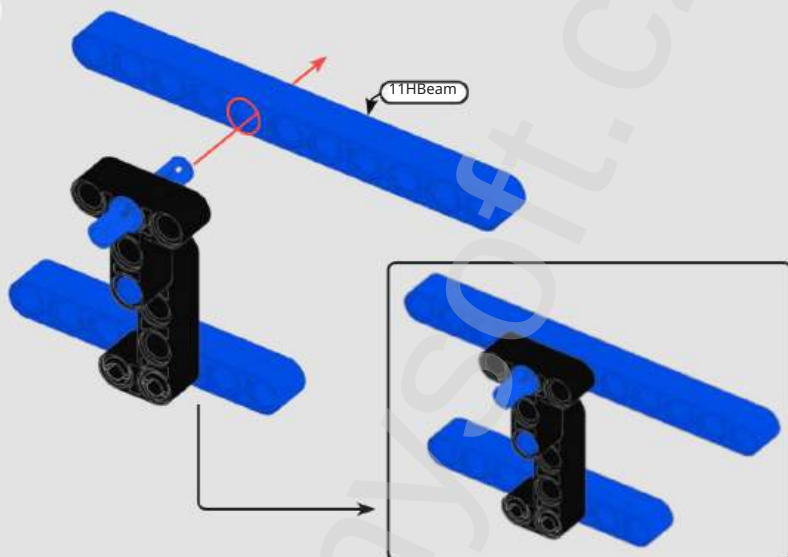


15

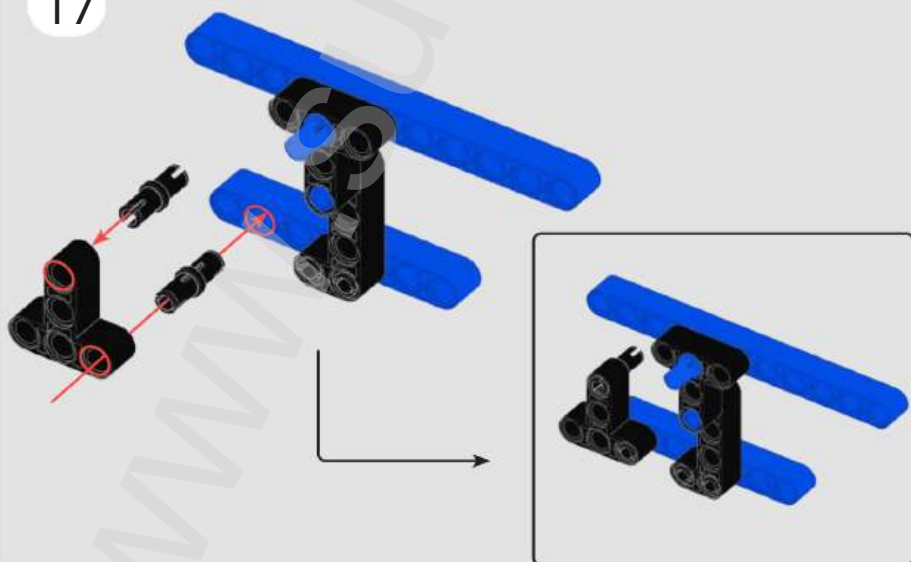
7HBeam



16



17

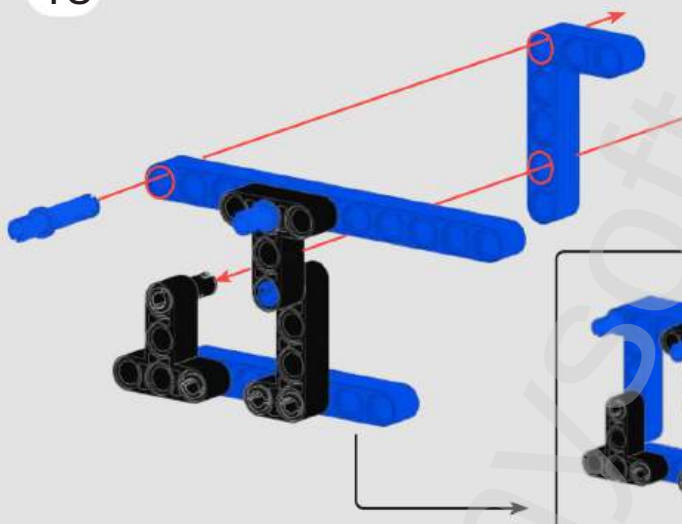


18

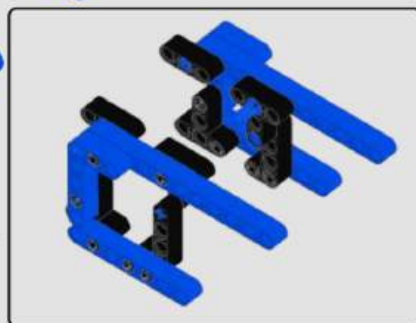
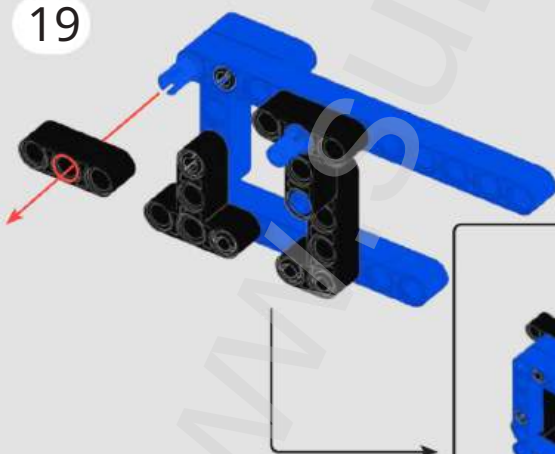
1:1



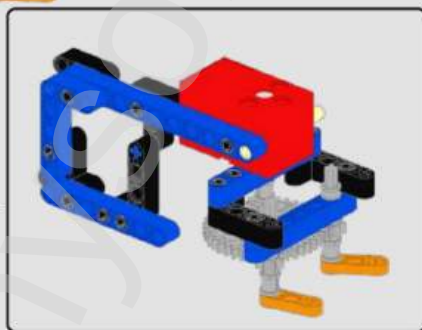
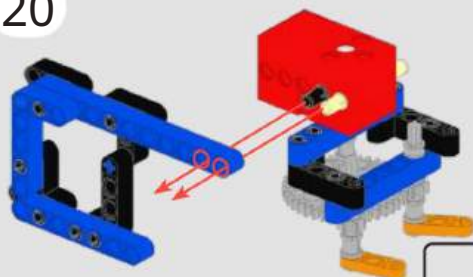
Dolga modra zaponka



19

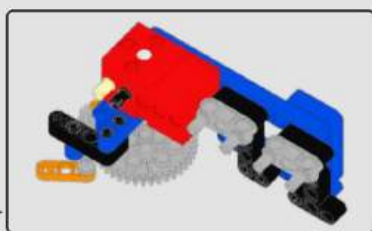
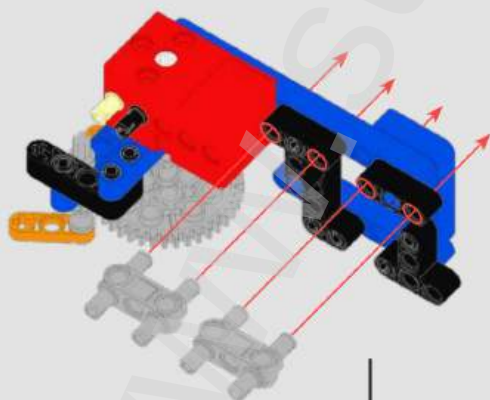


20



21

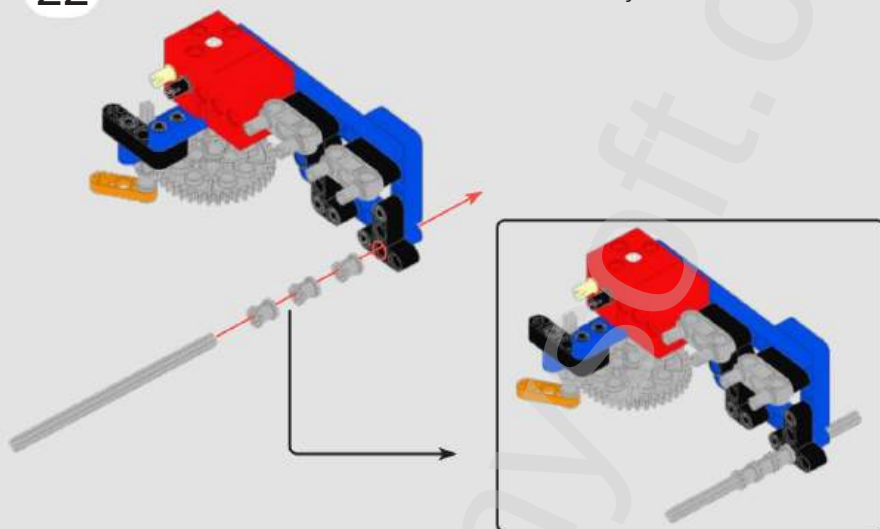
Pogled od zgoraj z desne strani zadaj



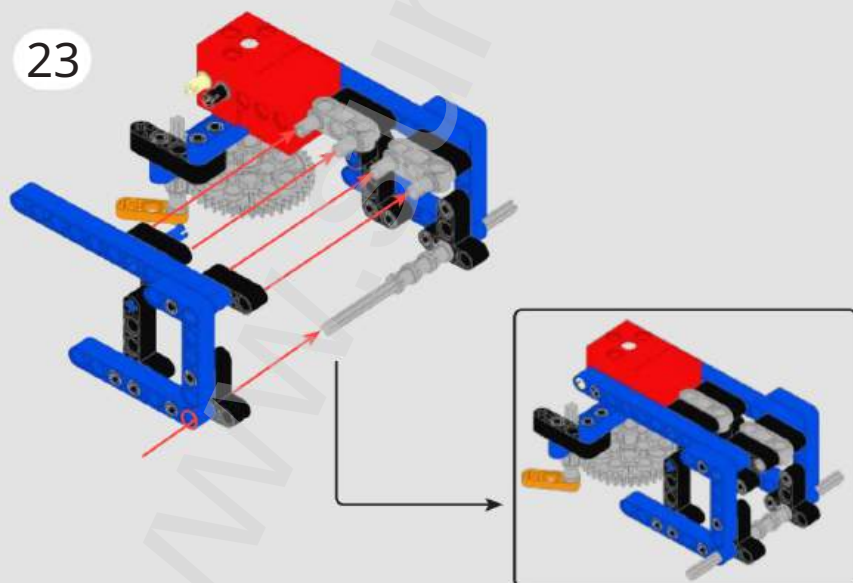
1:1

22

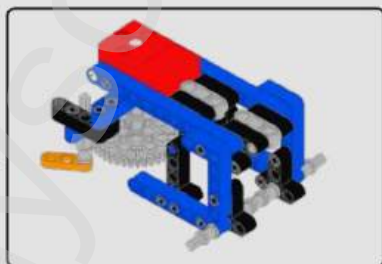
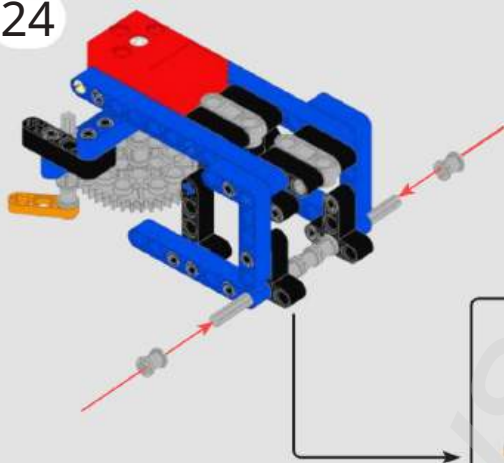
11H Remedy



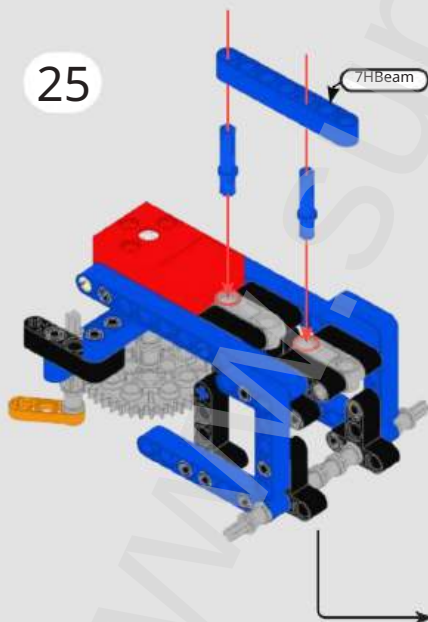
23



24



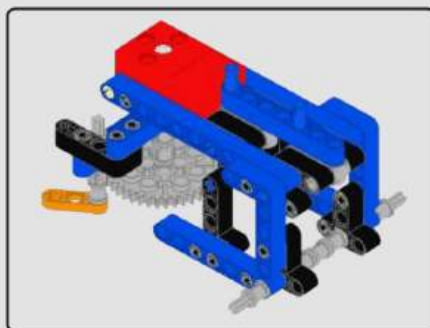
25



1:1



Dolga zatič modra



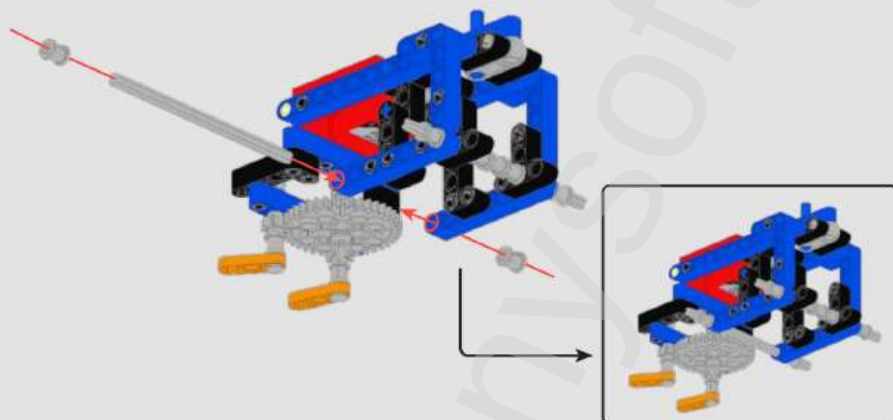
26



Pogled od zadaj spodaj desno

1:1

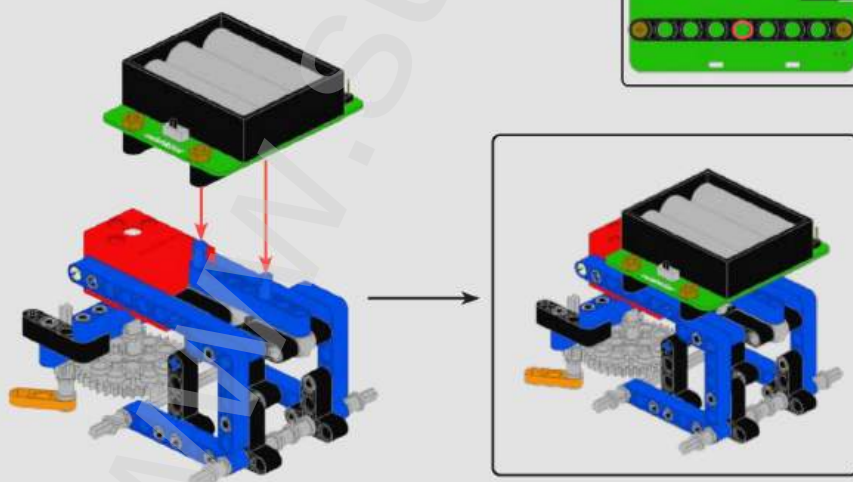
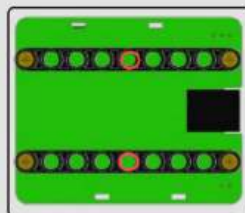
11H Remedy



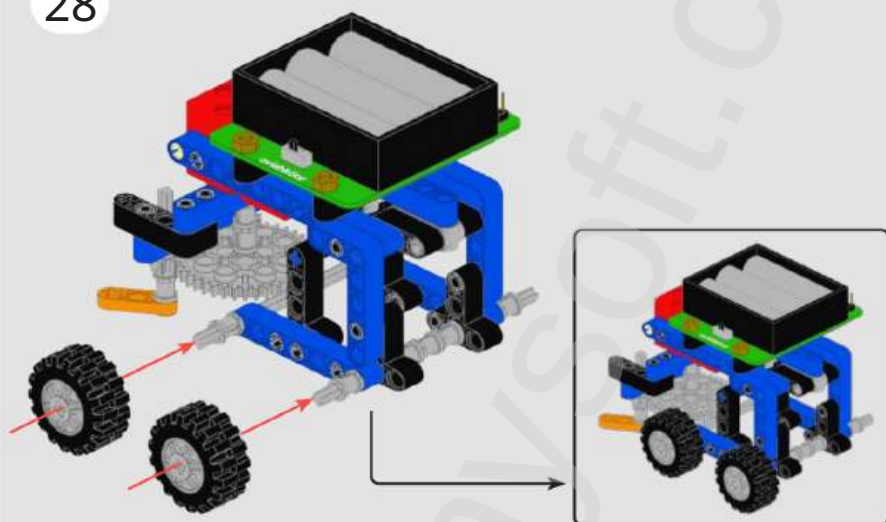
27



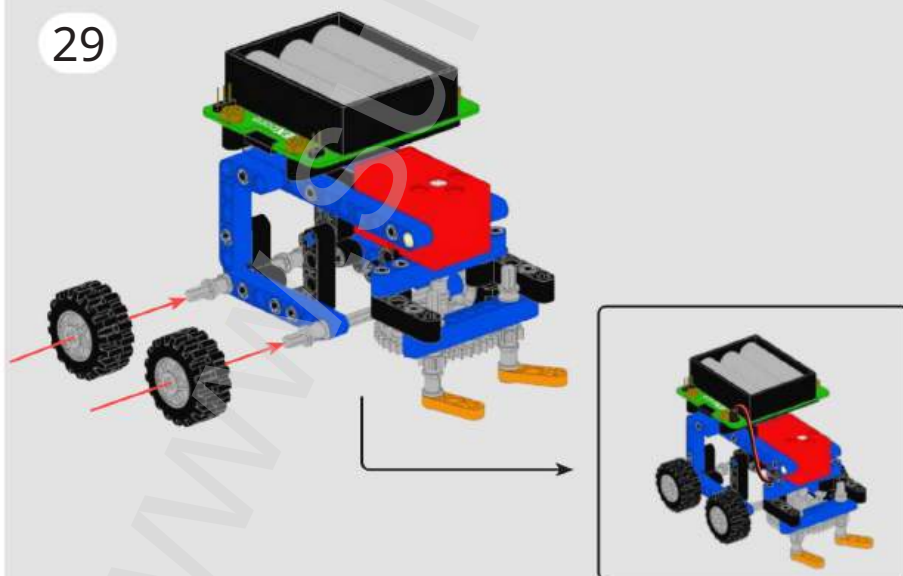
Pogled od zgoraj z desne strani zadaj



28



29



Čestitamo za vaš zaključek tega projekta!

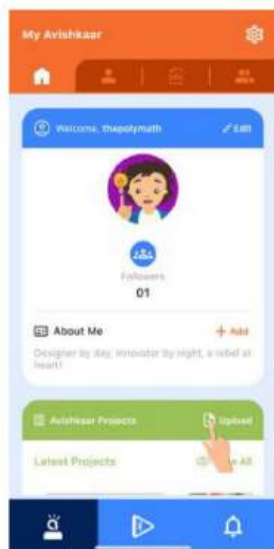
Z njim uživaš v igri mobilna aplikacija avishkaar?
Za podrobna navodila o prenosu aplikacije in upravljanju robota z njo glejte 8. stran.



Delite svojo stvaritev s svetom in osvojite značko 2. stopnje »Popraskaj po površini«

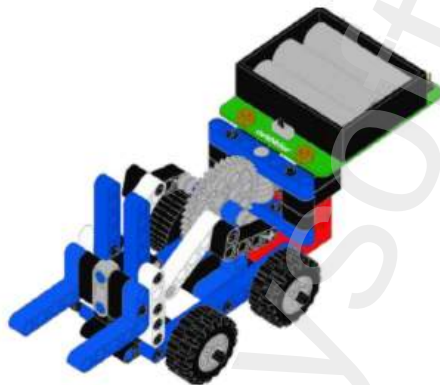
Naložite fotografije ali videoposnetke svojega projekta v razdelku za projekte v aplikaciji Avishkaar in osvojite značko 2. stopnje »Popraskaj po površini«.

Oglejte si vse svoje zbirke značke v razdelku z dosežki v vašem profilu na www.avishkaar.cc. Raziščite vse ostale značke, ki jih želite zbrati, in jih osvojite !



Projekt 4: Viličar

Gradimo!



Stvari, ki jih potrebujemo



11. uro
Žarek
x2



7H
Žarek
x4



5H
Žarek
x4



3H
Žarek
7 kratnik



7H
L-nosilec
x4



1Cx4H
L-nosilec
x6



5HT
Žarek
x2



Čelni
zobnik
40T x 1



Polž
menjalnik - velik
x 1



3Hx4Pin
Konekor
x2



Polnjenje
velike osi
x4



Polnjenje
osi - majhne
x4



5H pokrit
popravek
1x



7H
Rešitev
1x



10 ur
Rešitev
x2



Kratka
rumena
zatič x 2



Srednje
črne barve
x 22



Srednje
Pripni
siva x
2



Dolgo
modra x 11



Sredinski zatič
osi - moder x 2



Kolo
x 4



Avishkaar
MEXCore
1x



MEX velik
DC
motor
1x

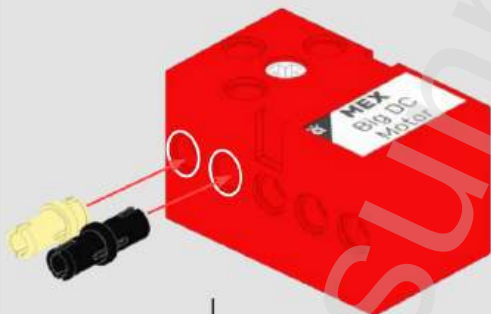
Korak

1

1:1



Kratka rumena žeblička

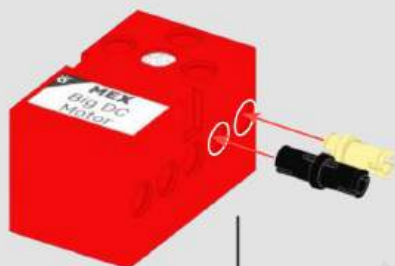


2

1:1

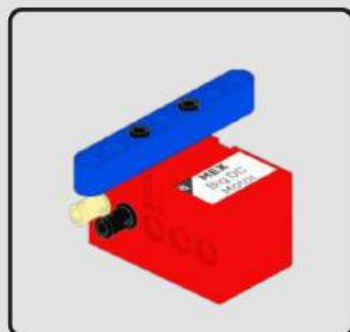


Kratka rumena žeblička

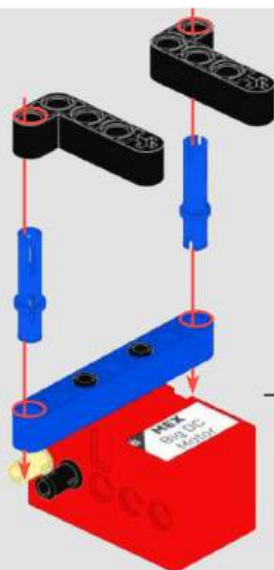


3

7HBeam



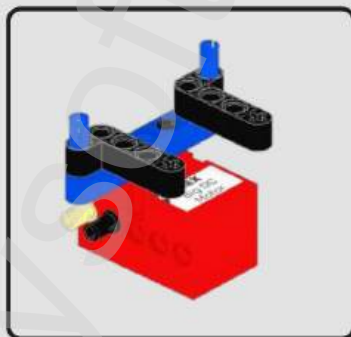
4



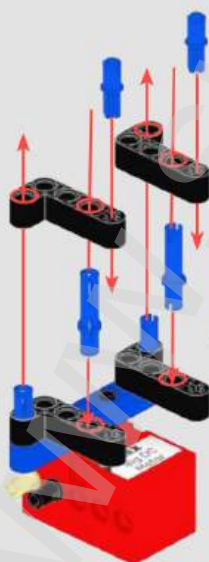
1:1



Dolga modra zaponka



5



1:1

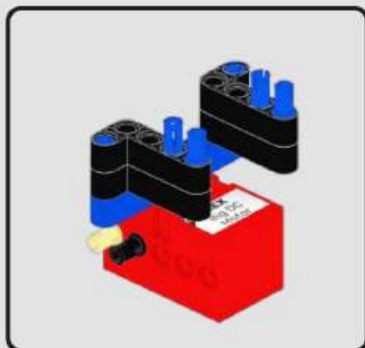


Dolga modra zaponka

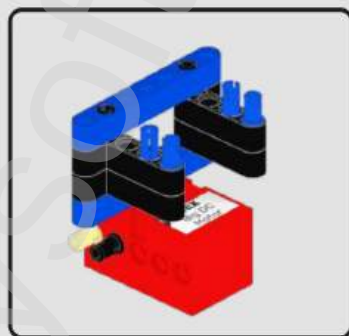
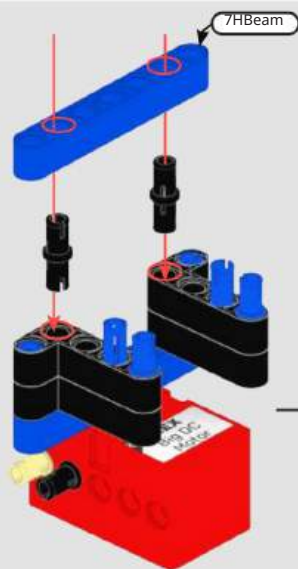
1:1



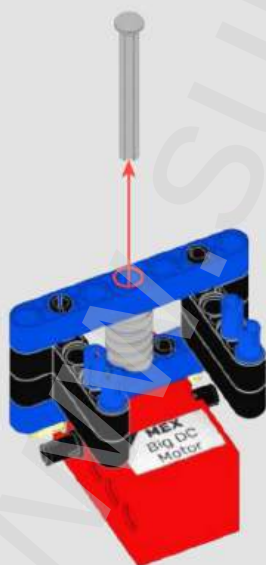
Sredinski zatič osi
Modra



6



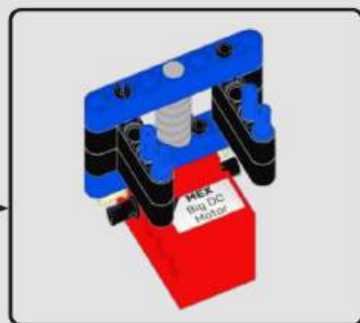
7



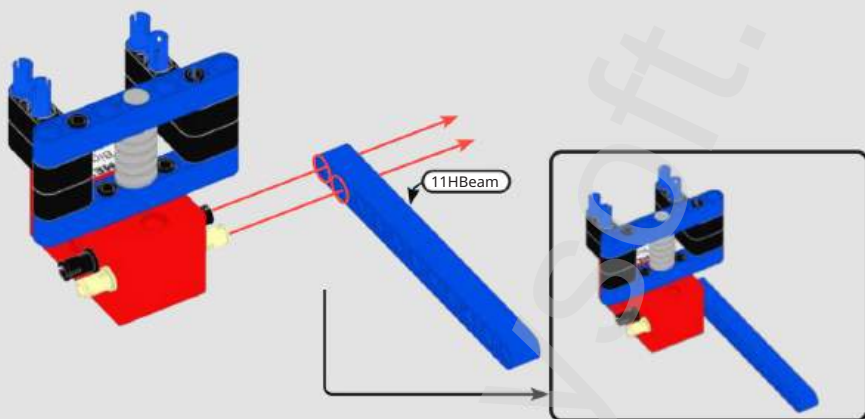
1:1



5H pokrita os



8

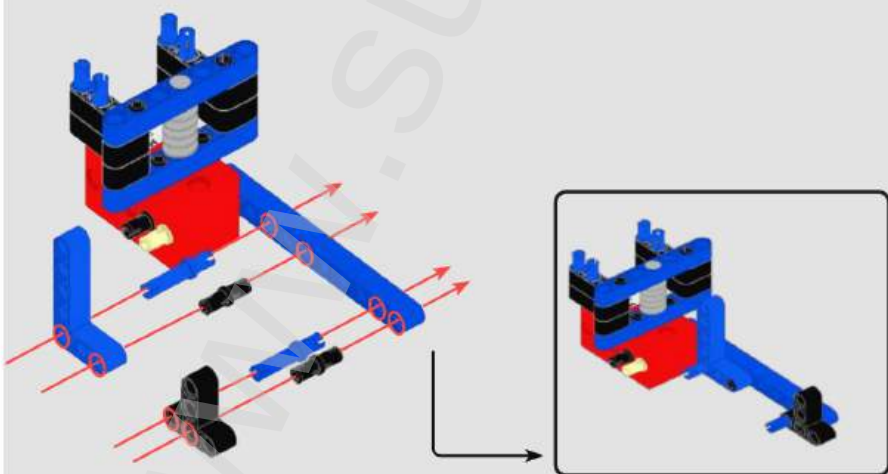


9

1:1



Dolga modra zaponka

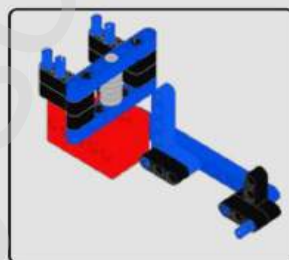
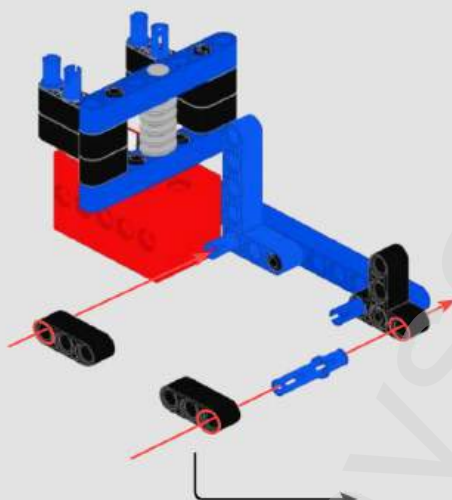


10

1:1



Dolga modra zaponka

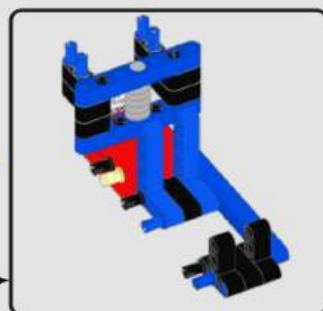
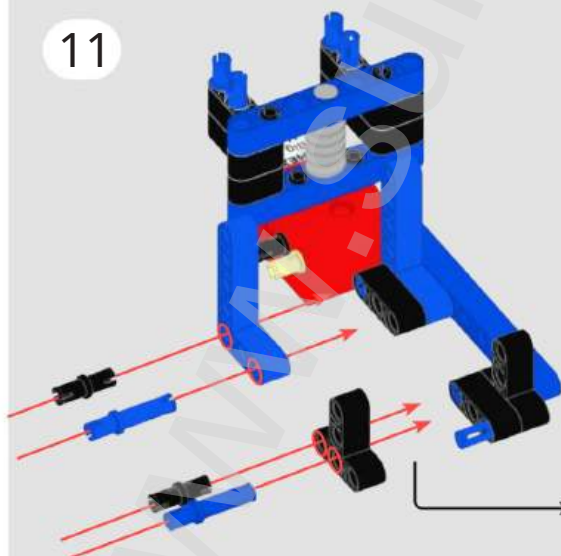


11

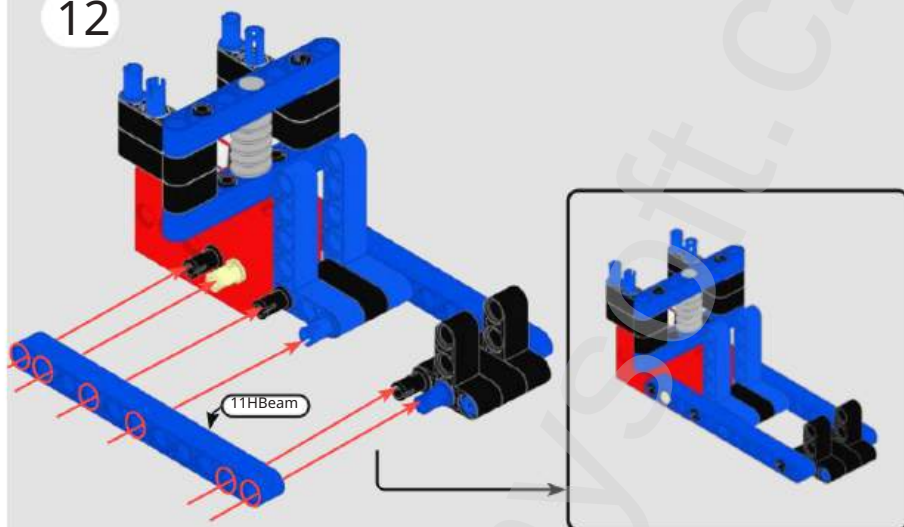
1:1



Dolga modra zaponka



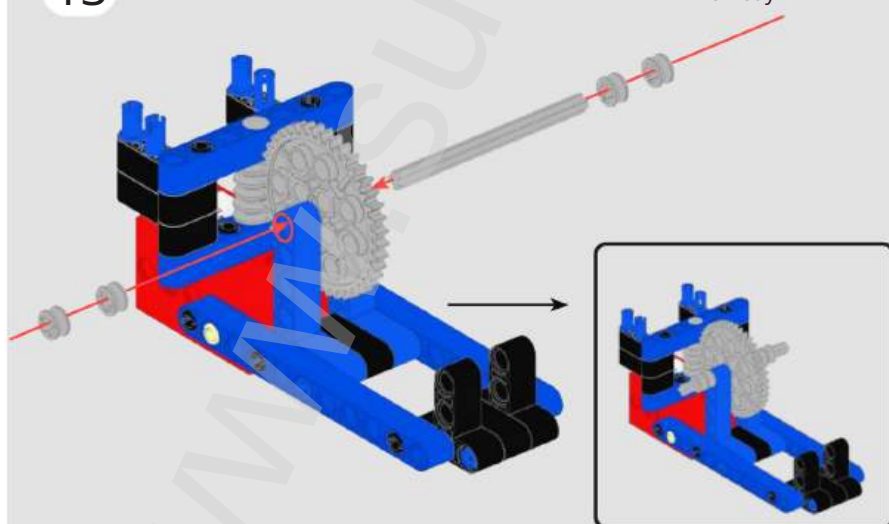
12



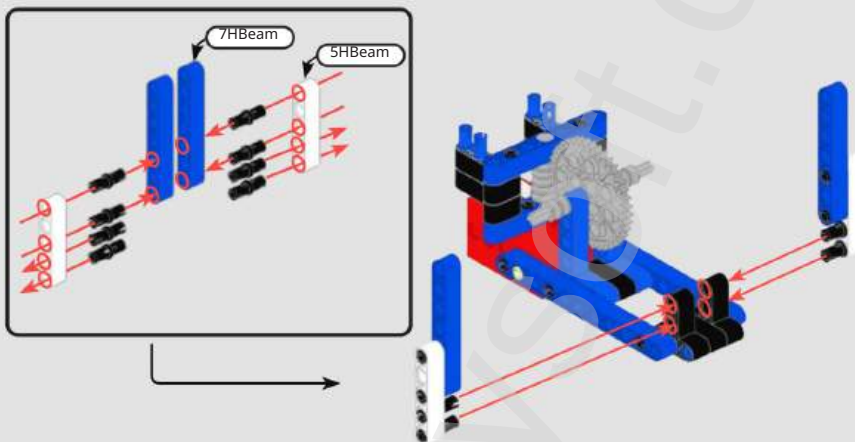
13

1:1

7H Remedy



14

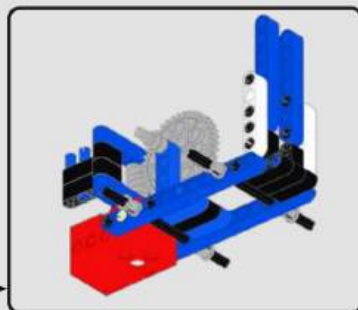
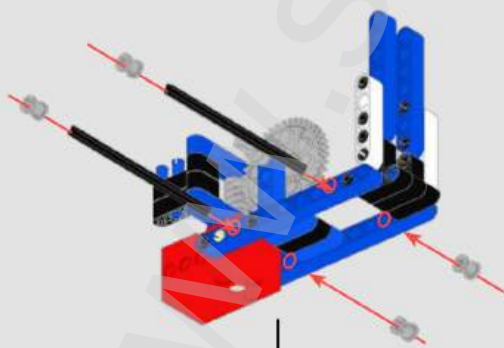


15

Pogled od spredaj spodaj levo

1:1

10H Remedy

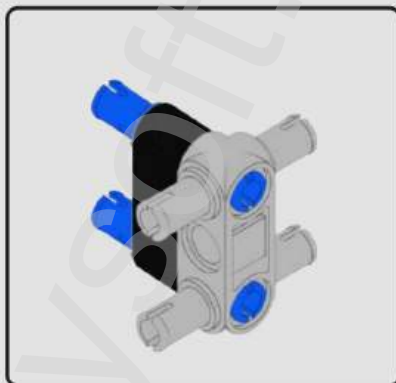
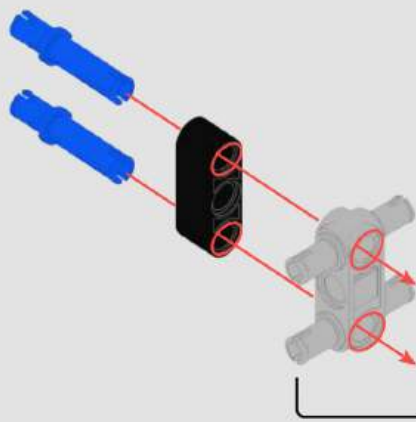


16

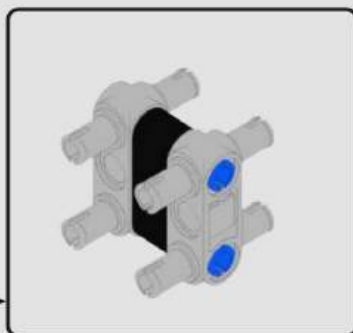
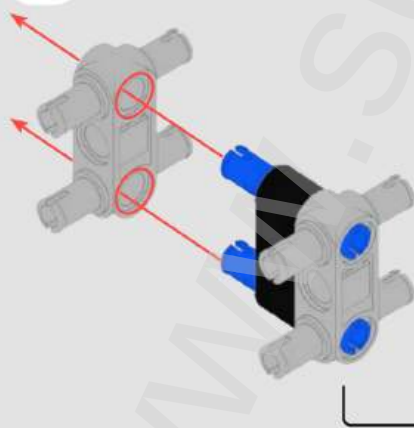
1:1



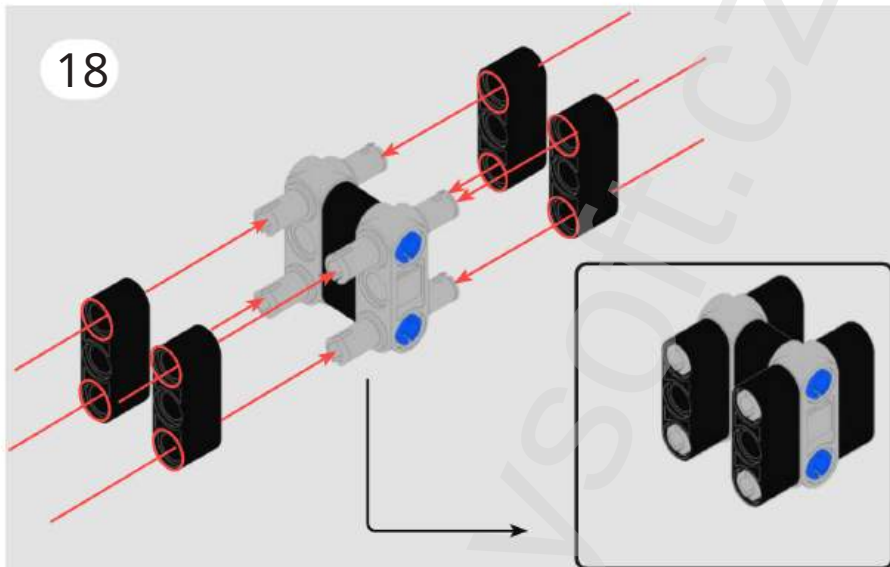
Dolga modra zaponka



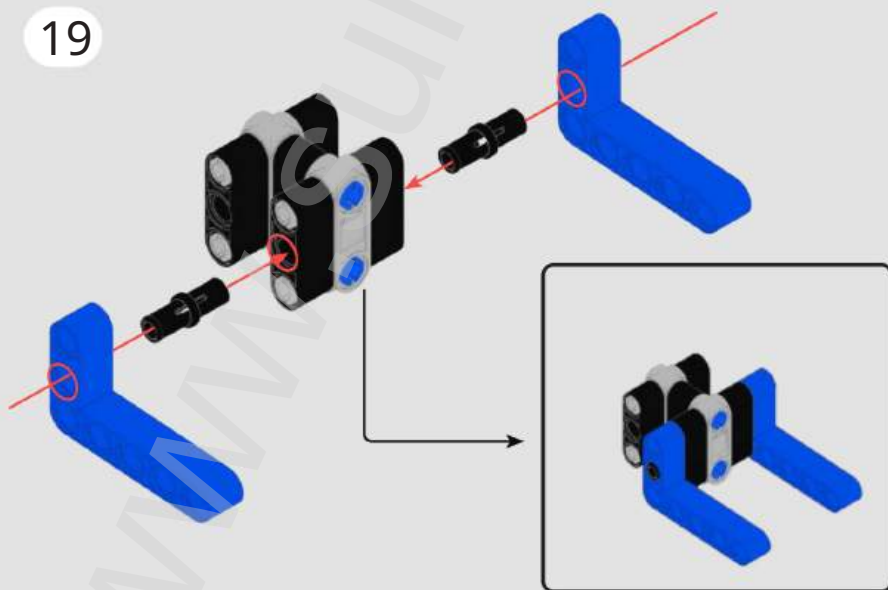
17



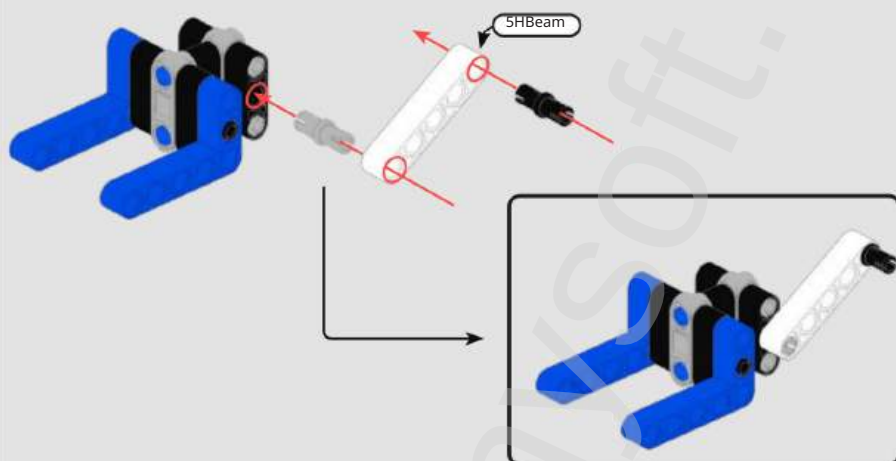
18



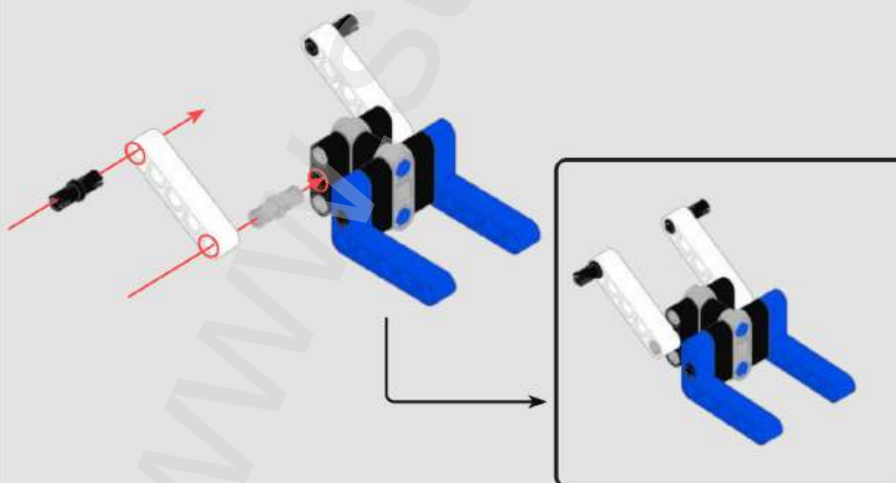
19



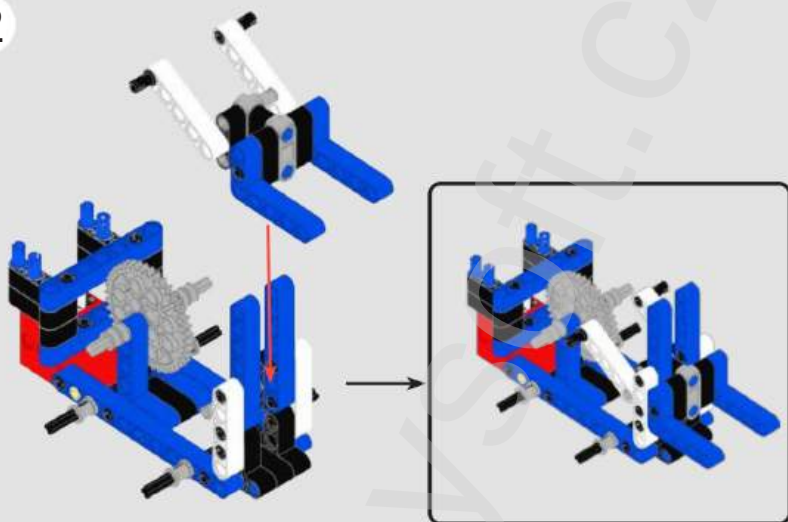
20



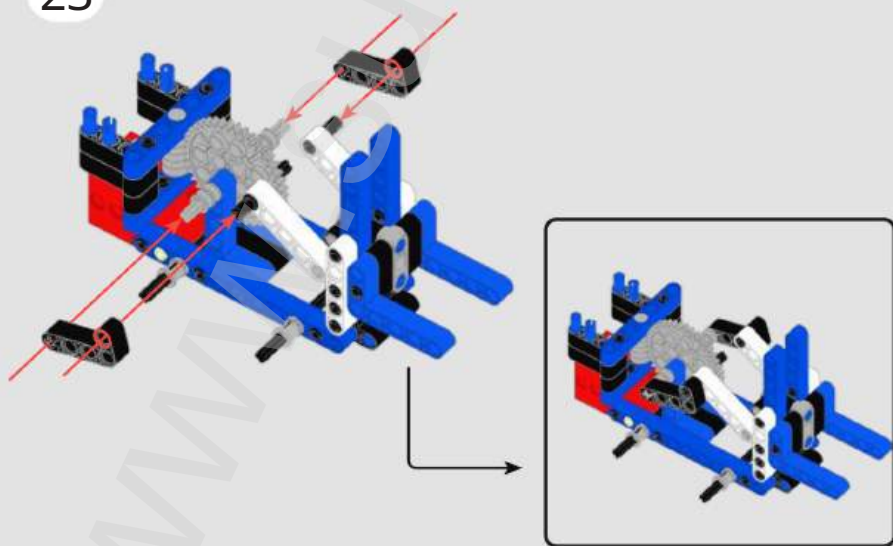
21



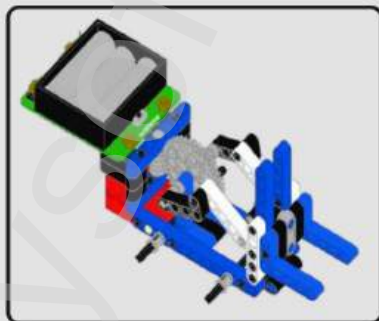
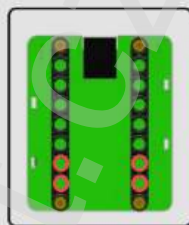
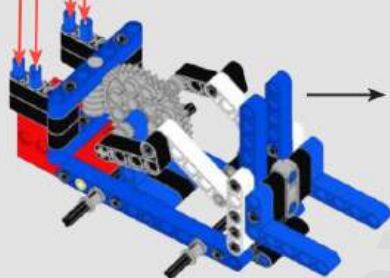
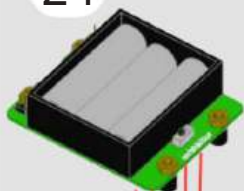
22



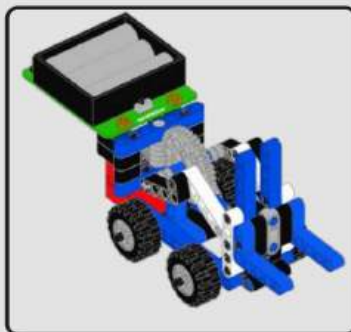
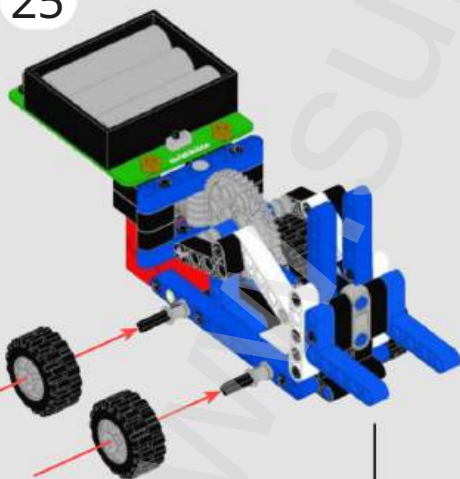
23



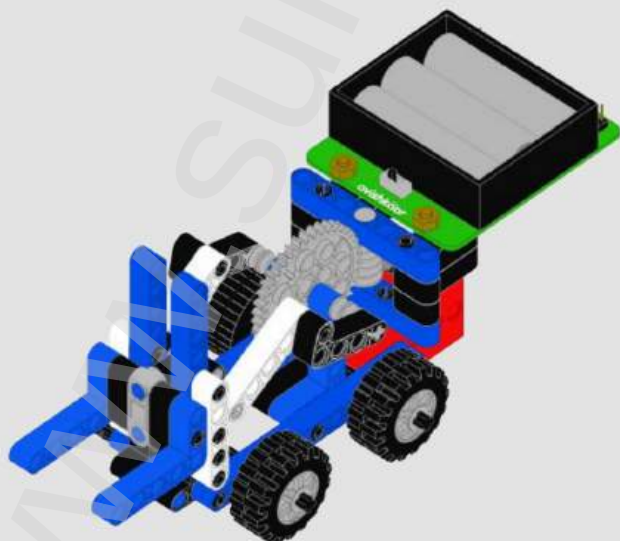
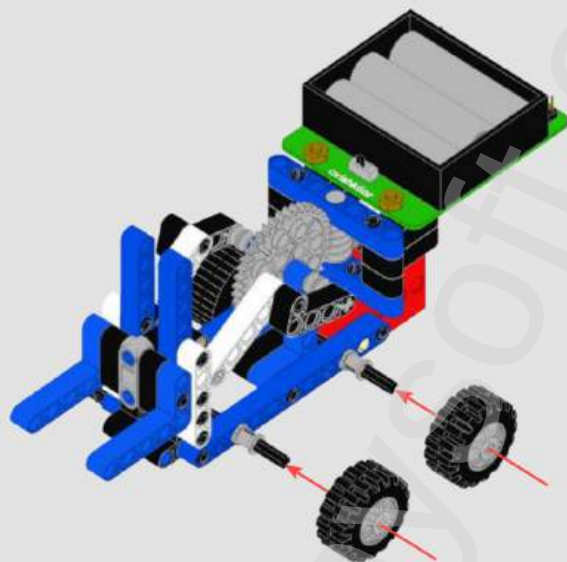
24



25



26



Čestitamo za vaš zaključek tega projekta!

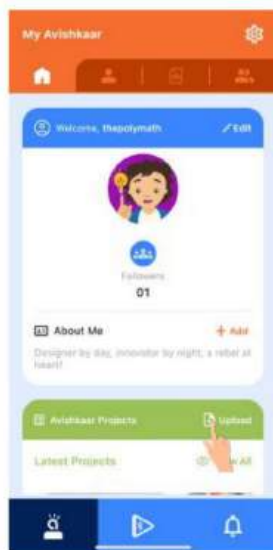
Z njim uživaš v igri
mobilna aplikacija avishkaar?
Za podrobna navodila o prenosu
aplikacije in upravljanju robota
z njo glejte 8. stran.



Delite svojo stvaritev s svetom in osvojite značko 3. stopnje »Spraskaj po površini«

Naložite fotografije ali videoposnetke
svojega projekta z uporabo razdelka za projekte
v aplikaciji Avishkaar, da si prislužite značko "
3. stopnje »Popihaj po površini«.

Oglejte si vse svoje zbirke
značke v razdelku z dosežki v vašem profilu
na www.avishkaar.cc. Raziščite vse ostale
značke, ki jih želite zbrati, in jih
osvojite !



Projekt 5: Dobby Robot

Gradimo!



Stvari, ki jih potrebujemo



9H nosilec x
6



7H
L-nosilec x
4



1Cx1H
Žarek x 2



Polnilo
osi - majhno
x 2



Dolga
zatič - modra
x 10



5H nosilec x
4



1Cx4H
L-nosilec x
4



2Cx1
Tanki nosilec x 1



3H os x 2



Srednji črni
zatič x
18



3H
Žarek
x4



5HT
Žarek
x2



3Hx4Pin
Priključek
x2



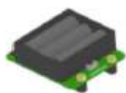
Kratek
Pink-rumena
1x



Sredinski
zatič osi - moder x
4



Srednje siva
pin x
4



Avishkaar
MEXCore
x 1



MEX velik
DC
motor x 1

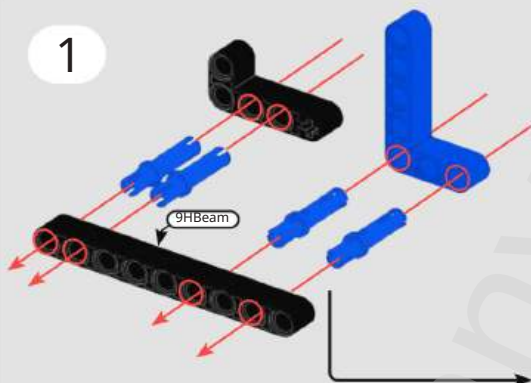


Dolga
rumena
pin x 2



3Cx2H
Tanko -D
x 2

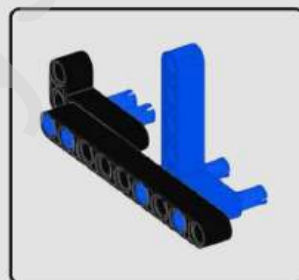
1



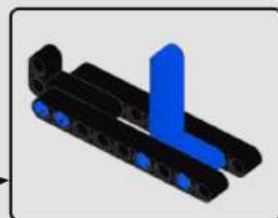
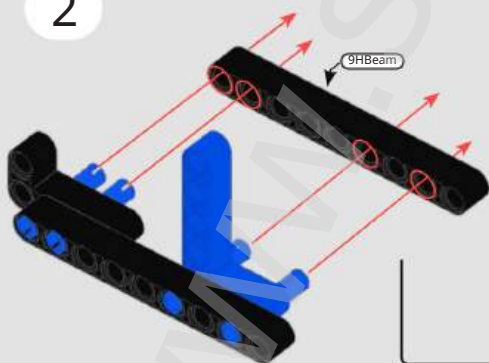
1:1



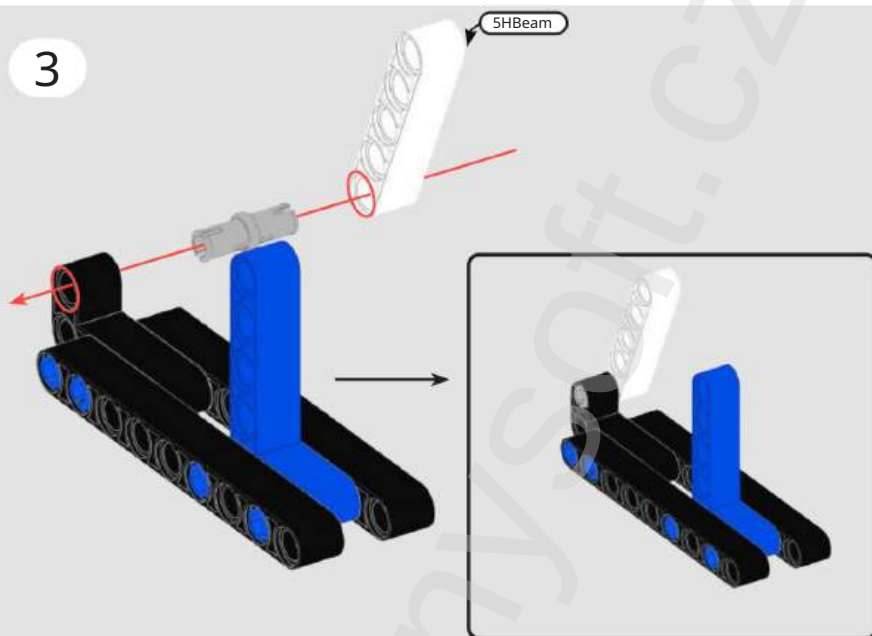
Longpin-modra



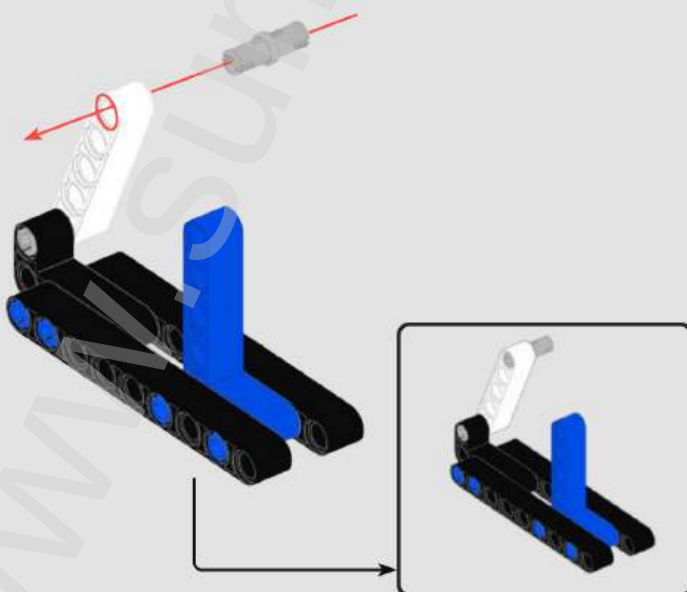
2



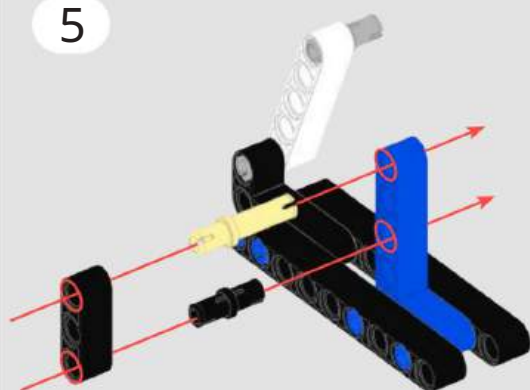
3



4



5



1:1

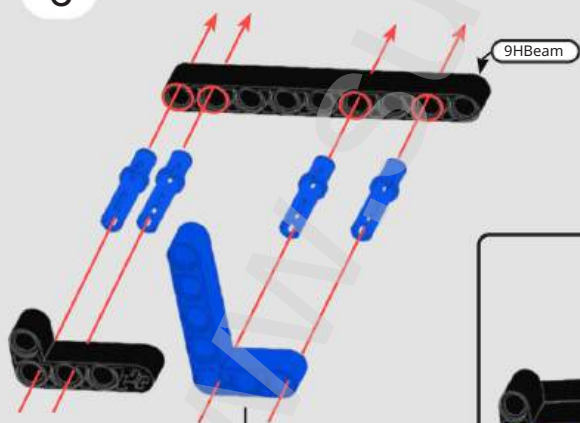


Dolga rumena



6

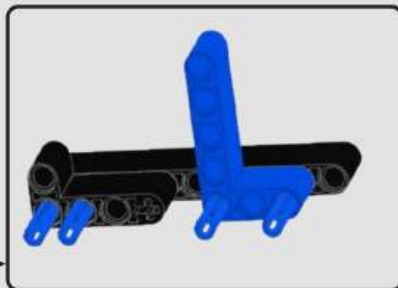
Naredimo zrcalno stran.



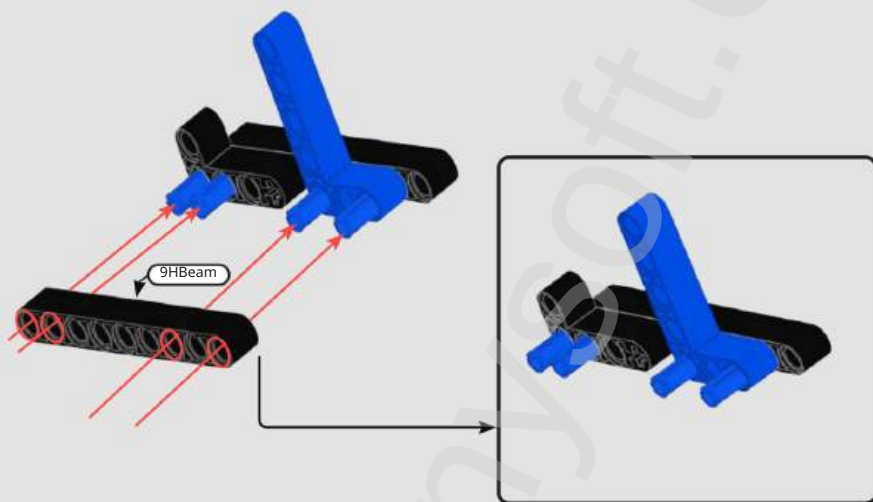
1:1



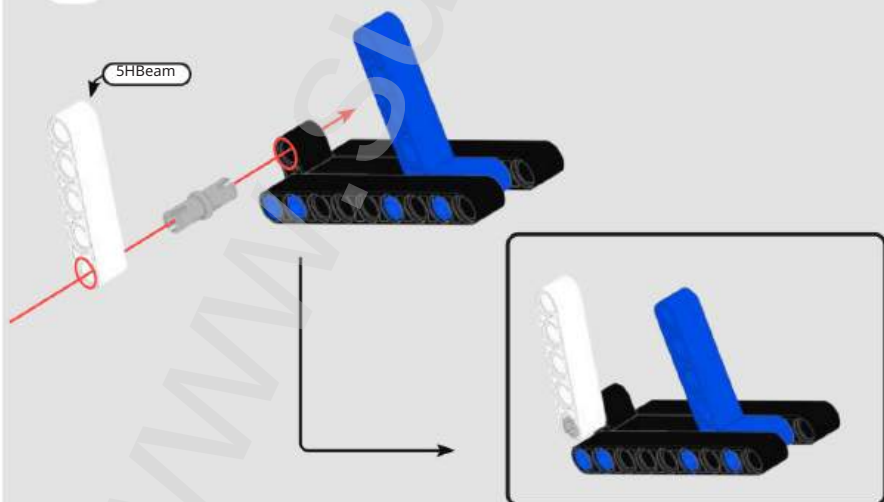
Dolga modra



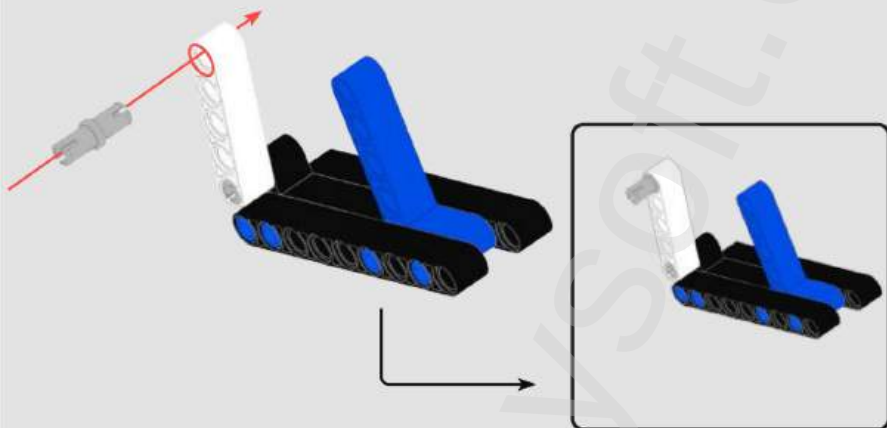
7



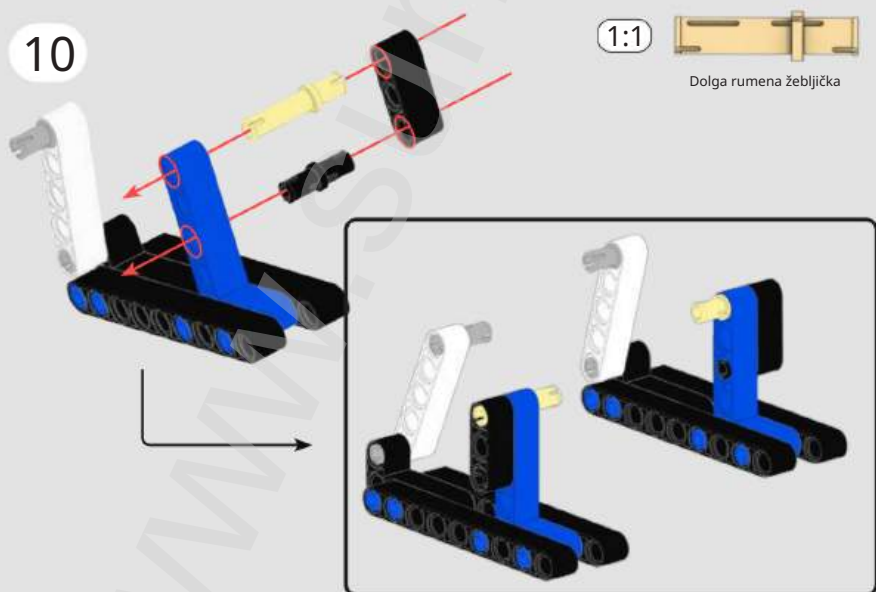
8



9



10

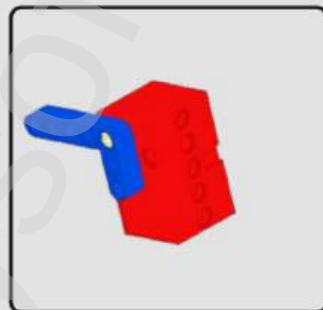
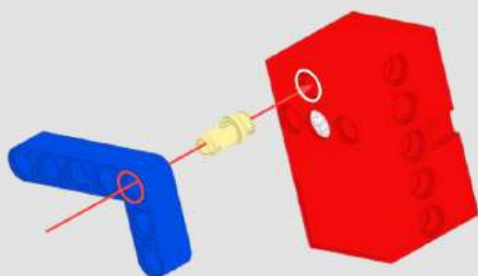


11

1:1



Kratka rumena zaponka

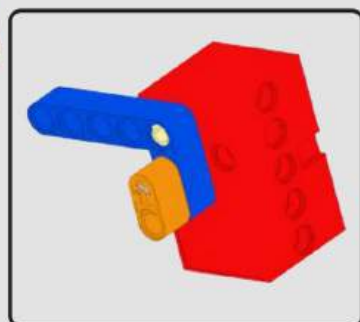
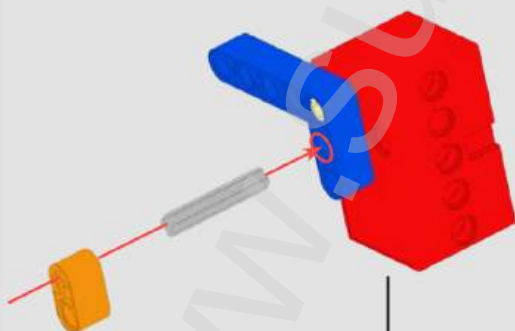


12

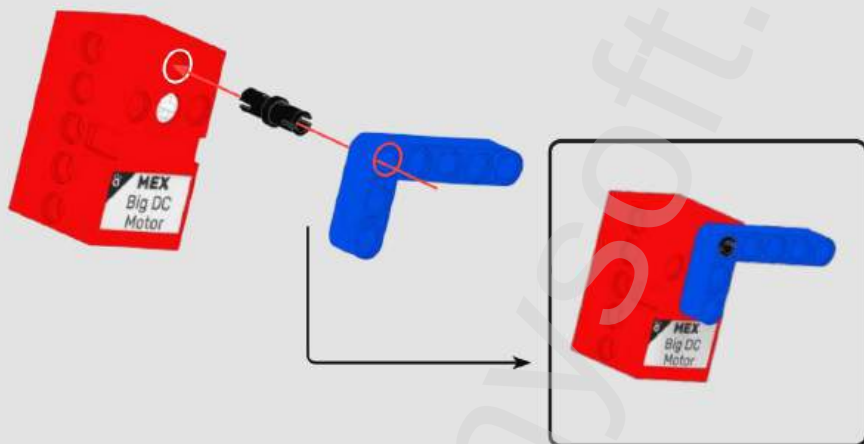
1:1



3H Remedy

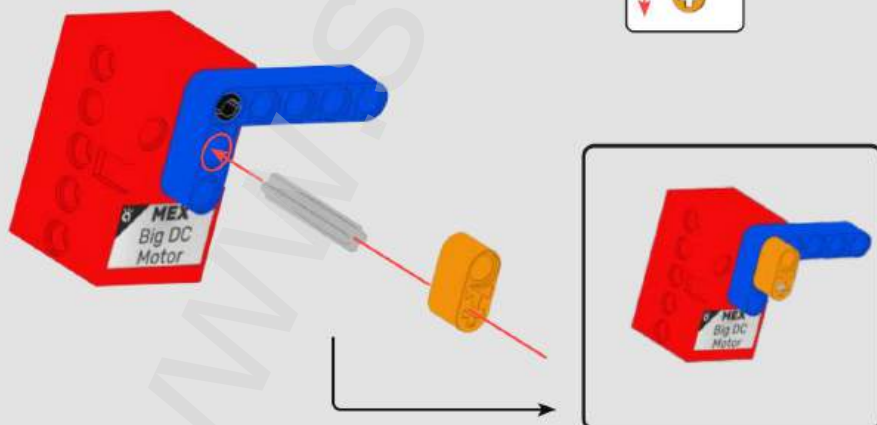


13

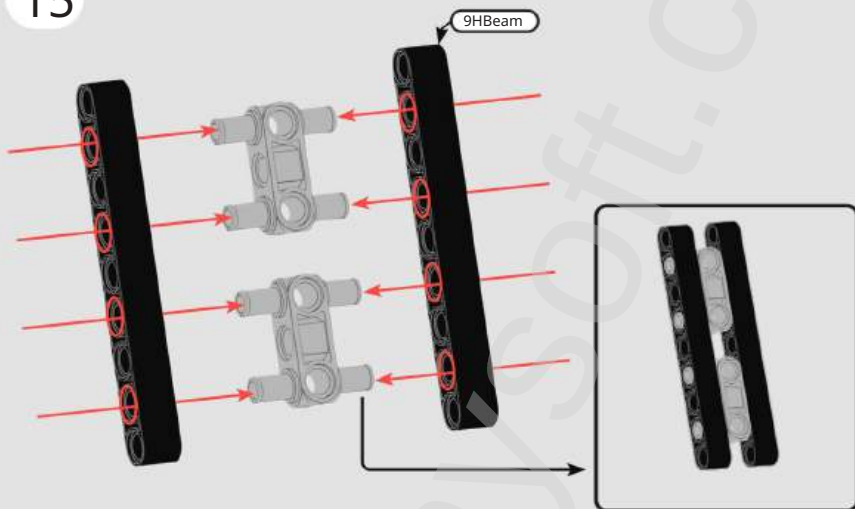


14

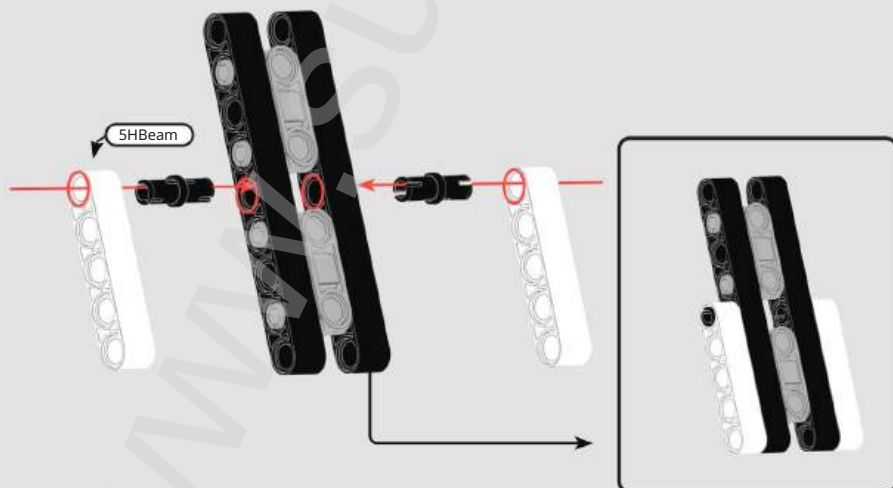
1:1 3H Remedy



15



16

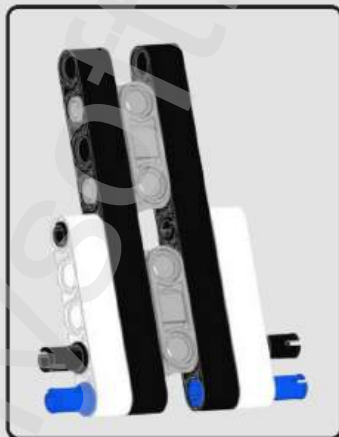
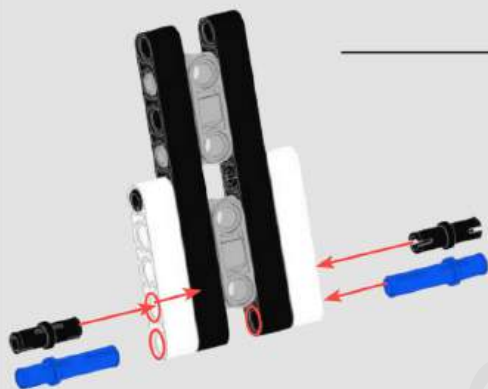


17

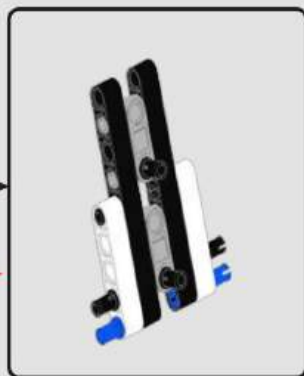
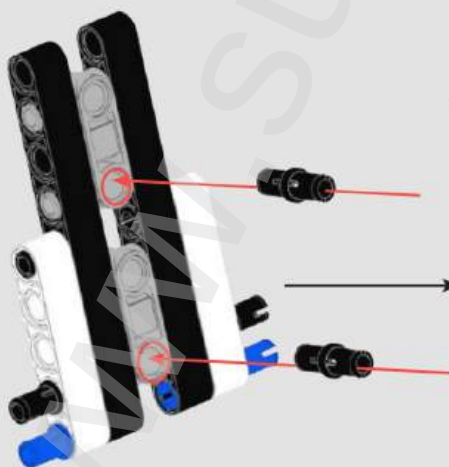
1:1



Dolga modra zaponka



18

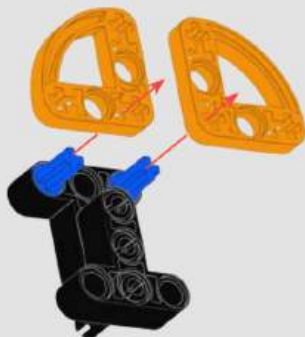
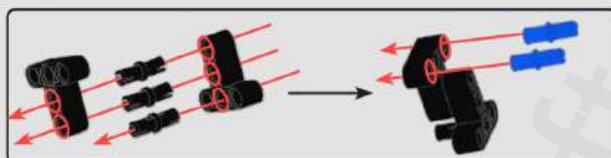


19

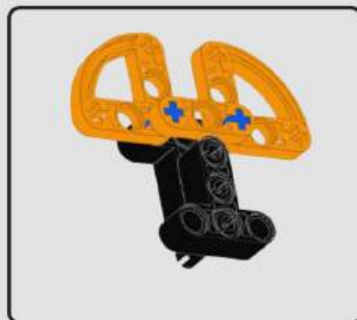
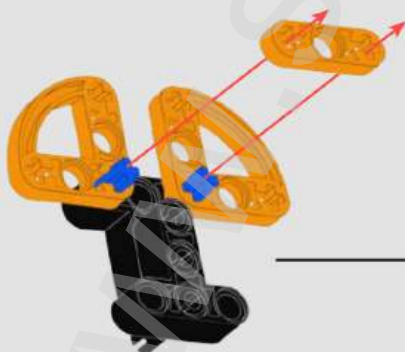
1:1



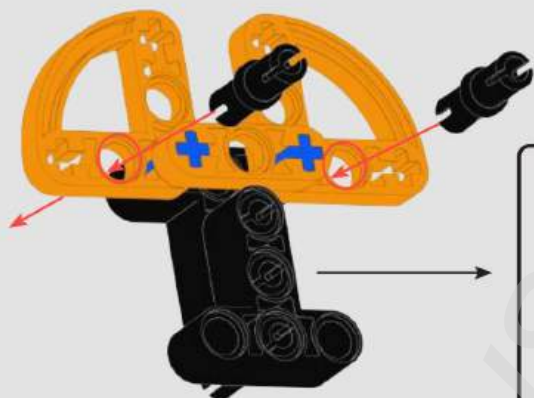
Srednji osni zatič
moder



20



22

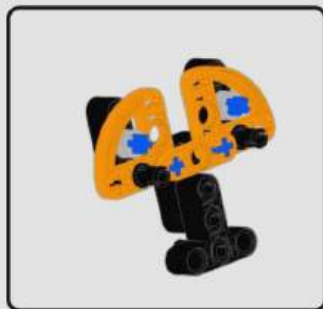
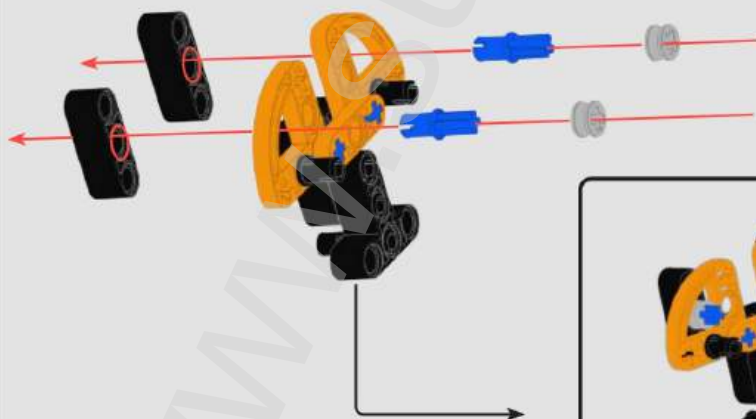


23

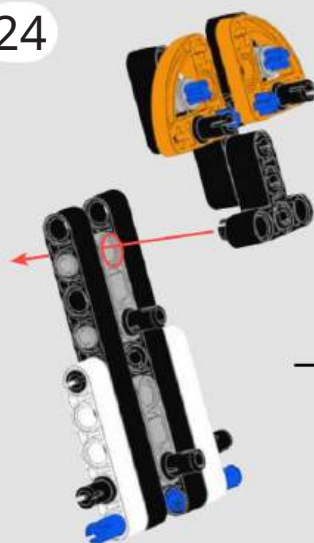
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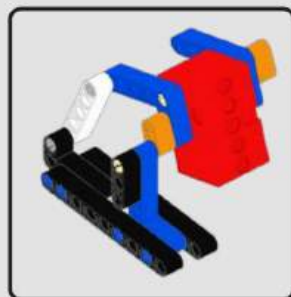
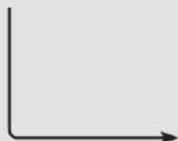
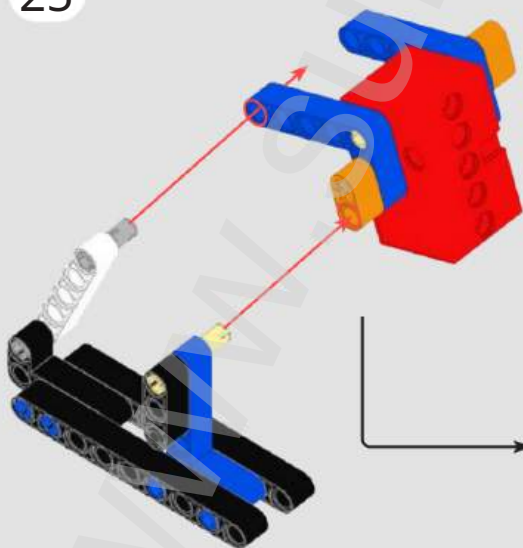
Srednji osni zatič moder



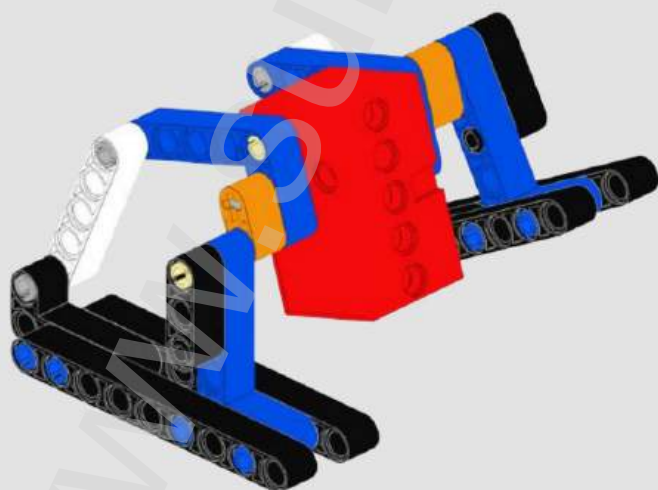
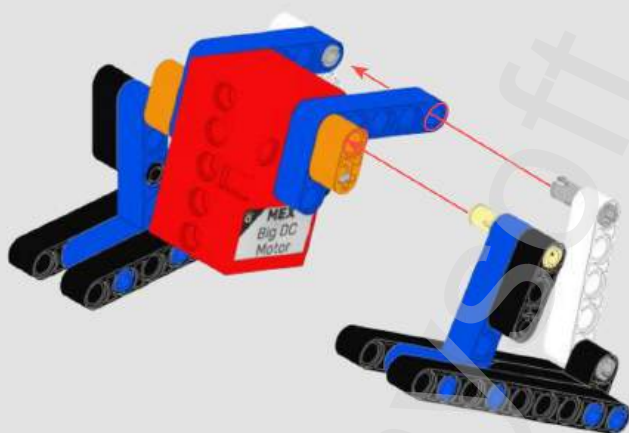
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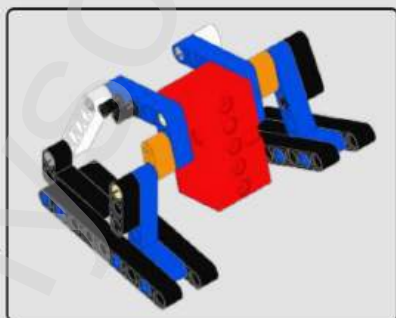
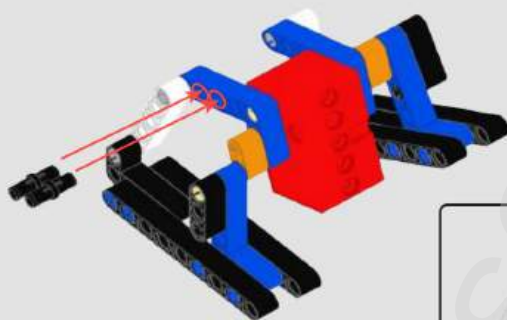
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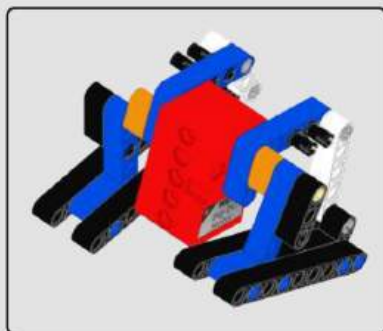
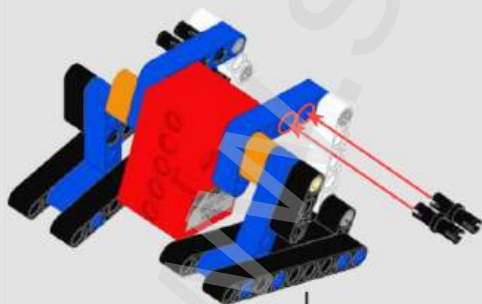
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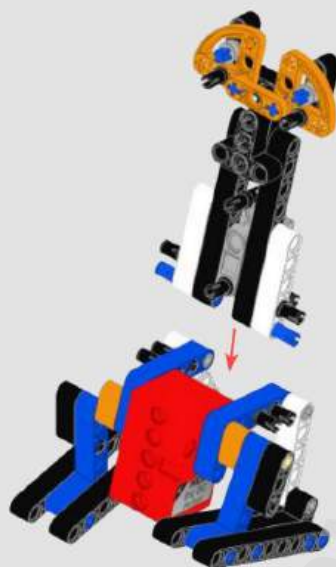
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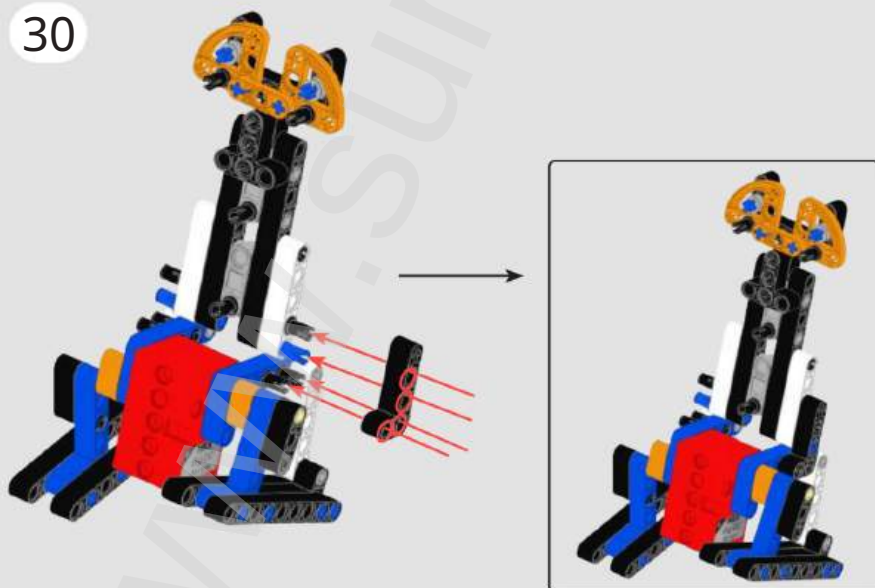
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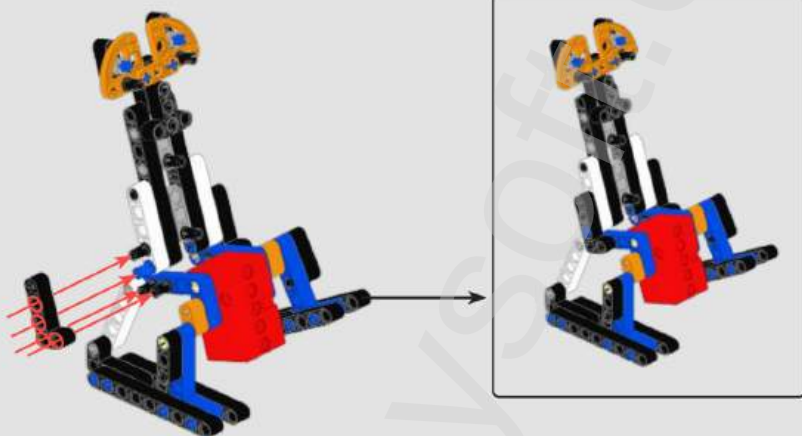
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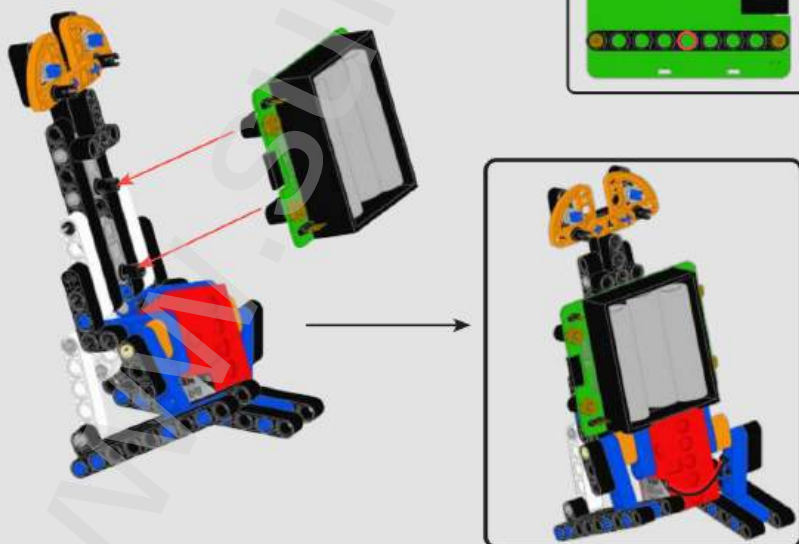
30



31



32



Čestitamo za vaš zaključek tega projekta!

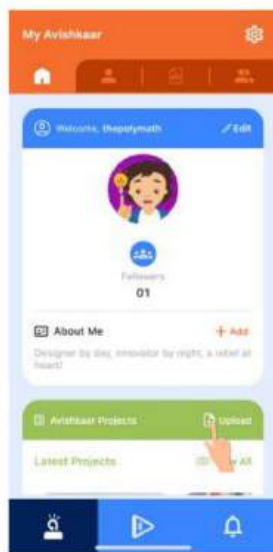
Z njim uživaš v igri mobilna aplikacija avishkaar?
Za podrobna navodila o prenosu aplikacije in upravljanju robota z njo glejte 8. stran.



Delite svojo stvaritev s svetom in zmagajte. "Popraskaj po površini" 3. stopnja

Naložite fotografije ali videoposnetke svojega projekta z uporabo razdelka za projekte v aplikaciji Avishkaar in osvojite značko stopnje »Scratch the Surface« 3.

Oglejte si vse svoje zbirke značke v razdelku z dosežki v vašem profilu na www.avishkaar.cc. Raziščite vse ostale značke, ki jih želite zbrati, in jih osvojite !



Se soočate s težavo?

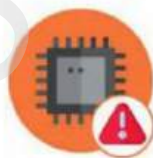
Naša tehnična podpora vam je na voljo v teh časih – od ponedeljka do sobote: od 9.00 do 20.00, v nedeljo in tretjo soboto v mesecu: od 9.00 do 18.00.



Težave s
programsko opremo



Težave z
uporabnostjo



Težave s
strojno opremo

S skeniranjem kode QR se obrnite na podporo.



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